aws

API Reference

AWS Organizations

API Version 2016-11-28

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AWS Organizations: API Reference

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Services or capabilities described in AWS documentation might vary by Region. To see the differences applicable to the AWS European Sovereign Cloud Region, see the AWS European Sovereign Cloud User Guide.

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Welcome

AWS Organizations is a web service that enables you to consolidate your multiple AWS accounts into an *organization* and centrally manage your accounts and their resources.

This guide provides descriptions of the Organizations API. For more information about using this service, see the AWS Organizations User Guide.

API version

This version of the Organizations API Reference documents the Organizations API version 2016-11-28.

> **Note**
>
> As an alternative to using the API directly, you can use one of the AWS SDKs, which consist of libraries and sample code for various programming languages and platforms (Java, Ruby, .NET, iOS, Android, and more). The SDKs provide a convenient way to create programmatic access to AWS Organizations. For example, the SDKs take care of cryptographically signing requests, managing errors, and retrying requests automatically. For more information about the AWS SDKs, including how to download and install them, see Tools for Amazon Web Services.

We recommend that you use the AWS SDKs to make programmatic API calls to Organizations. However, you also can use the Organizations Query API to make direct calls to the Organizations web service. To learn more about the Organizations Query API, see Calling the API by making HTTP Query requests in the *AWS Organizations User Guide*. Organizations supports GET and POST requests for all actions. That is, the API doesn't require you to use GET for some actions and POST for others. However, GET requests are subject to the limitation size of a URL. Therefore, for operations that require larger sizes, use a POST request.

Signing requests

When you send HTTP requests to AWS, sign the requests so that AWS can identify who sent them. You sign requests with your AWS access key, which consists of an access key ID and a secret access key. We strongly recommend that you don't create an access key for your root account. Anyone who has the access key for your root account has unrestricted access to all the resources

in your account. Instead, create an access key for an IAM user that has administrative permissions. As another option, use AWS Security Token Service (AWS STS) to generate temporary security credentials, and use those credentials to sign requests.

To sign requests, we recommend that you use Signature Version 4. If you have an existing application that uses Signature Version 2, you don't have to update it to use Signature Version 4. However, some operations now require Signature Version 4. The documentation for operations that require version 4 indicate this requirement.

When you use the AWS Command Line Interface (AWS CLI) or one of the AWS SDKs to make requests to AWS, these tools automatically sign the requests for you with the access key that you specify when you configure the tools.

In this release, each organization can have only one root.

Support and feedback for AWS Organizations

We welcome your feedback. You can post your feedback and questions in the AWS Organizations support forum. For more information about the AWS Support forums, see Forums Help.

Endpoint to call When using the AWS CLI or the AWS SDK

For the current release of Organizations, specify the `us-east-1` region for all AWS API and AWS CLI calls made from the commercial AWS Regions outside of China. If calling from one of the AWS Regions in China, then specify `cn-northwest-1`. You can do this in the AWS CLI by using these parameters and commands:

- Use the following parameter with each command to specify both the endpoint and its region:

  `--endpoint-url https://organizations.us-east-1.amazonaws.com` *(from commercial AWS Regions outside of China)*

  or

  `--endpoint-url https://organizations.cn-northwest-1.amazonaws.com.cn` *(from AWS Regions in China)*

- Use the default endpoint, but configure your default region with this command:

  `aws configure set default.region us-east-1` *(from commercial AWS Regions outside of China)*

or

`aws configure set default.region cn-northwest-1` *(from AWS Regions in China)*

- Use the following parameter with each command to specify the endpoint:

  `--region us-east-1` *(from commercial AWS Regions outside of China)*

  or

  `--region cn-northwest-1` *(from AWS Regions in China)*

How examples are presented

The JSON returned by the AWS Organizations service as response to your requests arrives as a single long string without line breaks or formatting whitespace. The examples in this guide include both line breaks and whitespace to improve readability. When example input parameters also would result in long strings that would extend beyond the screen, we insert line breaks to enhance readability. Always submit the input as a single JSON text string.

Recording API Requests

AWS Organizations supports AWS CloudTrail, a service that records AWS API calls for your AWS account and delivers log files to an Amazon S3 bucket. By using information collected by CloudTrail, you can determine which requests the Organizations service received, who made the request and when, and so on. For more about AWS Organizations and its support for CloudTrail, see Logging AWS Organizations API calls with AWS CloudTrail in the *AWS Organizations User Guide*. To learn more about CloudTrail, including how to turn it on and find your log files, see the CloudTrail User Guide.

This document was last published on October 15, 2026.

Actions

The following actions are supported:

- AcceptHandshake
- AttachPolicy
- CancelHandshake
- CloseAccount
- CreateAccount
- CreateGovCloudAccount
- CreateOrganization
- CreateOrganizationalUnit
- CreatePolicy
- DeclineHandshake
- DeleteOrganization
- DeleteOrganizationalUnit
- DeletePolicy
- DeleteResourcePolicy
- DeregisterDelegatedAdministrator
- DescribeAccount
- DescribeCreateAccountStatus
- DescribeEffectivePolicy
- DescribeHandshake
- DescribeOrganization
- DescribeOrganizationalUnit
- DescribePolicy
- DescribeResourcePolicy
- DescribeResponsibilityTransfer
- DetachPolicy
- DisableAWSServiceAccess
- DisablePolicyType

- EnableAllFeatures
- EnableAWSServiceAccess
- EnablePolicyType
- InviteAccountToOrganization
- InviteOrganizationToTransferResponsibility
- LeaveOrganization
- ListAccounts
- ListAccountsForParent
- ListAccountsWithInvalidEffectivePolicy
- ListAWSServiceAccessForOrganization
- ListChildren
- ListCreateAccountStatus
- ListDelegatedAdministrators
- ListDelegatedServicesForAccount
- ListEffectivePolicyValidationErrors
- ListHandshakesForAccount
- ListHandshakesForOrganization
- ListInboundResponsibilityTransfers
- ListOrganizationalUnitsForParent
- ListOutboundResponsibilityTransfers
- ListParents
- ListPolicies
- ListPoliciesForTarget
- ListRoots
- ListTagsForResource
- ListTargetsForPolicy
- MoveAccount
- PutResourcePolicy
- RegisterDelegatedAdministrator
- RemoveAccountFromOrganization

- TagResource
- TerminateResponsibilityTransfer
- UntagResource
- UpdateOrganizationalUnit
- UpdatePolicy
- UpdateResponsibilityTransfer

AcceptHandshake

Accepts a handshake by sending an ACCEPTED response to the sender. You can view accepted handshakes in API responses for 30 days before they are deleted.

Only the management account can accept the following handshakes:

- Enable all features final confirmation (APPROVE_ALL_FEATURES)
- Billing transfer (TRANSFER_RESPONSIBILITY)

For more information, see Enabling all features and Responding to a billing transfer invitation in the *AWS Organizations User Guide*.

Only a member account can accept the following handshakes:

- Invitation to join (INVITE)
- Approve all features request (ENABLE_ALL_FEATURES)

For more information, see Responding to invitations and Enabling all features in the *AWS Organizations User Guide*.

When a handshake is accepted, Organizations logs membership events in CloudTrail, available only in the management account's event history. If the account was standalone and joined a new organization, an AccountJoinedOrganization event is logged with joinedMethod:INVITED and joinedTime fields. If the account departed one organization and joined another, both an AccountDepartedOrganization event with departureMethod:LEFT and departureTime and an AccountJoinedOrganization event with joinedMethod:INVITED and joinedTime are logged in their respective management accounts.

When a billing transfer (TRANSFER_RESPONSIBILITY) handshake is accepted, AWS Organizations publishes a ResponsibilityTransferAccepted service event to CloudTrail. Each affected account receives this event, including upstream participants such as distributors in a chained transfer. For an example log entry, see Example log entries: AcceptResponsibilityTransfer in the *AWS Organizations User Guide*.

Request Syntax

```
{
```

```
   "HandshakeId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HandshakeId

ID for the handshake that you want to accept.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
```

```
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A `Handshake` object. Contains details for the handshake.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccessDeniedForDependencyException

The operation that you attempted requires you to have the `iam:CreateServiceLinkedRole` for `organizations.amazonaws.com` permission so that AWS Organizations can create the required service-linked role. You don't have that permission.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.

- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.

- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.

- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.

- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

HandshakeAlreadyInStateException

The specified handshake is already in the requested state. For example, you can't accept a handshake that was already accepted.

HTTP Status Code: 400

HandshakeConstraintViolationException

The requested operation would violate the constraint identified in the reason code.

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation:

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. Note that deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception immediately after creating the organization, wait one hour and try again. If after an hour it continues to fail with this error, contact AWS Support.

- ALREADY_IN_AN_ORGANIZATION: The handshake request is invalid because the invited account is already a member of an organization.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVITE_DISABLED_DURING_ENABLE_ALL_FEATURES: You can't issue new invitations to join an organization while it's in the process of enabling all features. You can resume inviting accounts after you finalize the process when all accounts have agreed to the change.
- LEGACY_PERMISSIONS_STILL_IN_USE: Your organization must migrate to use the new IAM fine-grained actions for billing, cost management, and accounts.
- ORGANIZATION_ALREADY_HAS_ALL_FEATURES: The handshake request is invalid because the organization has already enabled all features.
- ORGANIZATION_FROM_DIFFERENT_SELLER_OF_RECORD: You can only join an organization that operates in the same AWS partition as your account.

- ORGANIZATION_IS_ALREADY_PENDING_ALL_FEATURES_MIGRATION: The handshake request is invalid because the organization has already started the process to enable all features.
- ORGANIZATION_MEMBERSHIP_CHANGE_RATE_LIMIT_EXCEEDED: You attempted to change the membership of an account too quickly after its previous change.
- PAST_DUE_INVOICE: Your organization has an invoice that is past due.
- PAYMENT_INSTRUMENT_REQUIRED: You can't complete the operation with an account that doesn't have a payment instrument, such as a credit card, associated with it.
- RESPONSIBILITY_TRANSFER_ALREADY_EXISTS: You cannot perform this operation with the current transfer.
- SOURCE_AND_TARGET_CANNOT_MATCH: An account can't accept a transfer invitation if it is both the sender and recipient of the invitation.
- TARGET_ACCOUNT_VALIDATION_FAILURE: Billing transfer is not available for your account. Contact your billing administrator or AWS Support for assistance.
- UNUSED_PREPAYMENT_BALANCE: Your organization has an outstanding pre-payment balance.

HTTP Status Code: 400

HandshakeNotFoundException

We can't find a handshake with the `HandshakeId` that you specified.

HTTP Status Code: 400

InvalidHandshakeTransitionException

You can't perform the operation on the handshake in its current state. For example, you can't cancel a handshake that was already accepted or accept a handshake that was already declined.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

MasterCannotLeaveOrganizationException

You can't remove a management account from an organization. If you want the management account to become a member account in another organization, you must first delete the current organization of the management account.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

Diego, the owner of an organization, has previously invited Juan's account to join his organization. The following example shows Juan's account accepting the handshake and thus agreeing to the invitation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.AcceptHandshake

{"HandshakeId": "h-examplehandshakeid111"}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Handshake": {
    "Action": "INVITE",
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
    "RequestedTimestamp": 1481656459.257,
    "ExpirationTimestamp": 1482952459.257,
    "Id": "h-examplehandshakeid111",
    "Parties": [
      {
        "Id": "o-exampleorgid",
        "Type": "ORGANIZATION"
      },
      {
        "Id": "juan@example.com",
        "Type": "EMAIL"
      }
    ],
    "Resources": [
      {
        "Resources": [
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
          },
          {
            "Type": "MASTER_NAME",
            "Value": "Org management account"
          },
          {
            "Type": "ORGANIZATION_FEATURE_SET",
            "Value": "ALL"
          }
        ],
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid"
      },
      {
        "Type": "EMAIL",
```

```
        "Value": "juan@example.com"
      }
    ],
    "State": "ACCEPTED"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AttachPolicy

Attaches a policy to a root, an organizational unit (OU), or an individual account. How the policy affects accounts depends on the type of policy. Refer to the *AWS Organizations User Guide* for information about each policy type:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "PolicyId": "string",
   "TargetId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyId

ID for the policy that you want to attach to the target. You can get the ID for the policy by calling the ListPolicies operation.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

TargetId

ID for the root, OU, or account that you want to attach the policy to. You can get the ID by calling the ListRoots, ListOrganizationalUnitsForParent, or ListAccounts operations.

The regex pattern for a target ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.

- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable

all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.

- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.

- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.

- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicatePolicyAttachmentException

The selected policy is already attached to the specified target.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.

- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.

- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyChangesInProgressException

Changes to the effective policy are in progress, and its contents can't be returned. Try the operation again later.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

PolicyTypeNotEnabledException

The specified policy type isn't currently enabled in this root. You can't attach policies of the specified type to entities in a root until you enable that type in the root. For more information, see Enabling all features in your organization in the *AWS Organizations User Guide*.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example 1

The following example shows how to attach a policy to an OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.AttachPolicy

{ "TargetId": "ou-examplerootid111-exampleouid111", "PolicyId": "p-
examplepolicyid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

Example 2

The following example shows how to attach a policy directly to an account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.AttachPolicy

{ "TargetId": "333333333333", "PolicyId": "p-examplepolicyid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CancelHandshake

Cancels a Handshake.

Only the account that sent a handshake can call this operation. The recipient of the handshake can't cancel it, but can use DeclineHandshake to decline. After a handshake is canceled, the recipient can no longer respond to the handshake.

You can view canceled handshakes in API responses for 30 days before they are deleted.

Request Syntax

```
{
   "HandshakeId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HandshakeId

ID for the handshake that you want to cancel. You can get the ID from the ListHandshakesForOrganization operation.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
```

```
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A Handshake object. Contains for the handshake that you canceled.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

HandshakeAlreadyInStateException

The specified handshake is already in the requested state. For example, you can't accept a handshake that was already accepted.

HTTP Status Code: 400

HandshakeNotFoundException

We can't find a handshake with the `HandshakeId` that you specified.

HTTP Status Code: 400

InvalidHandshakeTransitionException

You can't perform the operation on the handshake in its current state. For example, you can't cancel a handshake that was already accepted or accept a handshake that was already declined.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Diego, the admin of an organization, previously sent an invitation to Anaya's account to join the organization. Diego later changes his mind and decides to cancel the invitation before Anaya accepts it. The following example shows Diego canceling the handshake (and the invitation it represents). The output includes a handshake object that shows that the state is now CANCELED.

Example

This example illustrates one usage of CancelHandshake.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CancelHandshake

{ "HandshakeId": "h-examplehandshakeid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Handshake": {
    "Id": "h-examplehandshakeid111",
    "State":"CANCELED",
    "Action": "INVITE",
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
    "Parties": [
      {
```

```
        "Id": "o-exampleorgid",
        "Type": "ORGANIZATION"
      },
      {
        "Id": "anaya@example.com",
        "Type": "EMAIL"
      }
    ],
    "Resources": [
      {
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid",
        "Resources": [
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
          },
          {
            "Type": "MASTER_NAME",
            "Value": "Management account"
          },
          {
            "Type": "ORGANIZATION_FEATURE_SET",
            "Value": "CONSOLIDATED_BILLING"
          }
        ]
      },
      {
        "Type": "EMAIL",
        "Value": "anika@example.com"
      },
      {
        "Type": "NOTES",
        "Value": "This is a request for Anaya's account to join Diego's organization."
      }
    ],
    "RequestedTimestamp": 1.47008383521E9,
    "ExpirationTimestamp": 1.47137983521E9
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CloseAccount

Closes an AWS member account within an organization. You can close an account when all features are enabled . You can't close the management account with this API. This is an asynchronous request that AWS performs in the background. Because `CloseAccount` operates asynchronously, it can return a successful completion message even though account closure might still be in progress. You need to wait a few minutes before the account is fully closed. To check the status of the request, do one of the following:

- Use the `AccountId` that you sent in the `CloseAccount` request to provide as a parameter to the DescribeAccount operation.

  While the close account request is in progress, Account status will indicate PENDING_CLOSURE. When the close account request completes, the status will change to SUSPENDED.

- Check the CloudTrail log for the `CloseAccountResult` event that gets published after the account closes successfully. For information on using CloudTrail with AWS Organizations, see Logging and monitoring in AWS Organizations in the *AWS Organizations User Guide*.

Note

- Resources remaining within the account after closing will be automatically deleted after 90 days. During this 90-day period, the resources won't be available unless you contact AWS Support to reopen the account. After 90 days, you can't reopen an account. You might still receive a bill after account closure.
- Within a rolling 30 day period you can close the higher of either 250 or 20% of the member accounts in your organization, up to a maximum of 1,000. This quota is not bound by a calendar month, but starts when you close an account. After you reach this limit, you can't close additional accounts. For more information, see Closing a member account in your organization and Quotas for AWS Organizations in the *AWS Organizations User Guide*.
- To reinstate a closed account, contact AWS Support within the 90-day grace period while the account is in SUSPENDED status.
- If the AWS account you attempt to close is linked to an AWS GovCloud (US) account, the `CloseAccount` request will close both accounts. To learn important pre-closure details, see Closing an AWS GovCloud (US) account in the *AWS GovCloud User Guide*.

After the permanent termination of the account after the 90-day waiting period, Organizations logs a membership event in CloudTrail. The event is an `AccountDepartedOrganization` event with `departureMethod:CLEANED` and `departureTime`. This event is available only in the management account's event history.

Request Syntax

```
{
   "AccountId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

Retrieves the AWS account Id for the current `CloseAccount` API request.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountAlreadyClosedException

You attempted to close an account that is already closed.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConflictException

The request failed because it conflicts with the current state of the specified resource.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  Note

  Deleted and closed accounts still count toward your limit.

  Important

  If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.

- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.

- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.

- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.

- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.

- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to close a member account 555555555555. The response does not return an object, only HTTP status.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CloseAccount

{ "AccountId": "555555555555" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateAccount

Creates an AWS account that is automatically a member of the organization whose credentials made the request. This is an asynchronous request that AWS performs in the background. Because `CreateAccount` operates asynchronously, it can return a successful completion message even though account initialization might still be in progress. You might need to wait a few minutes before you can successfully access the account. To check the status of the request, do one of the following:

- Use the `Id` value of the `CreateAccountStatus` response element from this operation to provide as a parameter to the DescribeCreateAccountStatus operation.
- Check the CloudTrail log for the `CreateAccountResult` event. For information on using CloudTrail with AWS Organizations, see Logging and monitoring in AWS Organizations in the *AWS Organizations User Guide*.

Additionally, the `AccountJoinedOrganization` event is logged in CloudTrail and is available only in the management account's event history. This event includes `joinedMethod:Created` and `joinedTime` fields to provide context on how and when the account joined the organization.

The user who calls the API to create an account must have the `organizations:CreateAccount` permission. If you enabled all features in the organization, AWS Organizations creates the required service-linked role named `AWSServiceRoleForOrganizations`. For more information, see AWS Organizations and service-linked roles in the *AWS Organizations User Guide*.

If the request includes tags, then the requester must have the `organizations:TagResource` permission.

AWS Organizations preconfigures the new member account with a role (named `OrganizationAccountAccessRole` by default) that grants users in the management account administrator permissions in the new member account. Principals in the management account can assume the role. AWS Organizations clones the company name and address information for the new account from the organization's management account.

You can only call this operation from the management account.

For more information about creating accounts, see Creating a member account in your organization in the *AWS Organizations User Guide*.

Important

- When you create an account in an organization using the AWS Organizations console, API, or AWS CLI commands, the information required for the account to operate as a standalone account, such as a payment method is *not* automatically collected. If you must remove an account from your organization later, you can do so only after you provide the missing information. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- If you get an exception that indicates that you exceeded your account limits for the organization, contact AWS Support.
- If you get an exception that indicates that the operation failed because your organization is still initializing, wait one hour and then try again. If the error persists, contact AWS Support.
- It isn't recommended to use `CreateAccount` to create multiple temporary accounts, and using the `CreateAccount` API to close accounts is subject to a 30-day usage quota. For information on the requirements and process for closing an account, see Closing a member account in your organization in the *AWS Organizations User Guide*.

Note

When you create a member account with this operation, you can choose whether to create the account with the **IAM User and Role Access to Billing Information** switch enabled. If you enable it, IAM users and roles that have appropriate permissions can view billing information for the account. If you disable it, only the account root user can access billing information. For information about how to disable this switch for an account, see Granting access to your billing information and tools.

Request Syntax

```
{
   "AccountName": "string",
   "Email": "string",
   "IamUserAccessToBilling": "string",
   "RoleName": "string",
```

```
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountName

The friendly name of the member account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[\u0020-\u007E]+`

Required: Yes

Email

The email address of the owner to assign to the new member account. This email address must not already be associated with another AWS account. You must use a valid email address to complete account creation.

The rules for a valid email address:

- The address must be a minimum of 6 and a maximum of 64 characters long.
- All characters must be 7-bit ASCII characters.
- There must be one and only one @ symbol, which separates the local name from the domain name.
- The local name can't contain any of the following characters:

  whitespace, " ' ( ) < > [ ] : ; , \ | % &
- The local name can't begin with a dot (.)
- The domain name can consist of only the characters [a-z],[A-Z],[0-9], hyphen (-), or dot (.)

- The domain name can't begin or end with a hyphen (-) or dot (.)
- The domain name must contain at least one dot

You can't access the root user of the account or remove an account that was created with an invalid email address.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `See rules in parameter description`

Required: Yes

IamUserAccessToBilling

If set to `ALLOW`, the new account enables IAM users to access account billing information *if* they have the required permissions. If set to `DENY`, only the root user of the new account can access account billing information. For more information, see About IAM access to the Billing and Cost Management console in the *AWS Billing and Cost Management User Guide*.

If you don't specify this parameter, the value defaults to `ALLOW`, and IAM users and roles with the required permissions can access billing information for the new account.

Type: String

Valid Values: `ALLOW | DENY`

Required: No

RoleName

The name of an IAM role that AWS Organizations automatically preconfigures in the new member account. This role trusts the management account, allowing users in the management account to assume the role, as permitted by the management account administrator. The role has administrator permissions in the new member account.

If you don't specify this parameter, the role name defaults to `OrganizationAccountAccessRole`.

For more information about how to use this role to access the member account, see the following links:

- Creating the OrganizationAccountAccessRole in an invited member account in the *AWS Organizations User Guide*

- Steps 2 and 3 in IAM Tutorial: Delegate access across AWS accounts using IAM roles in the *IAM User Guide*

The regex pattern that is used to validate this parameter. The pattern can include uppercase letters, lowercase letters, digits with no spaces, and any of the following characters: =,.@-

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[\w+=,.@-]{1,64}`

Required: No

Tags

A list of tags that you want to attach to the newly created account. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Note**
>
> If any one of the tags is not valid or if you exceed the maximum allowed number of tags for an account, then the entire request fails and the account is not created.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
   "CreateAccountStatus": {
      "AccountId": "string",
      "AccountName": "string",
      "CompletedTimestamp": number,
      "FailureReason": "string",
      "GovCloudAccountId": "string",
      "Id": "string",
      "RequestedTimestamp": number,
```

```
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreateAccountStatus

A structure that contains details about the request to create an account. This response structure might not be fully populated when you first receive it because account creation is an asynchronous process. You can pass the returned `CreateAccountStatus` ID as a parameter to DescribeCreateAccountStatus to get status about the progress of the request at later times. You can also check the CloudTrail log for the `CreateAccountResult` event. For more information, see Logging and monitoring in AWS Organizations in the *AWS Organizations User Guide*.

Type: CreateAccountStatus object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

FinalizingOrganizationException

AWS Organizations couldn't perform the operation because your organization hasn't finished initializing. This can take up to an hour. Try again later. If after one hour you continue to receive this error, contact AWS Support.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to create a member account in an organization. The member account is configured with the name `Production Account` and the email address of `anaya@example.com`. AWS Organizations automatically creates an IAM role using the default name of `OrganizationAccountAccessRole` because the `roleName` parameter isn't specified. Also, the setting that allows IAM users or roles with sufficient permissions to access account billing data is set to the default value of `ALLOW` because the `IamUserAccessToBilling` parameter isn't specified. AWS Organizations automatically sends Anaya a "Welcome to AWS" email.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreateAccount
```

```
{ "Email": "anaya@example.com", "AccountName": "Production Account" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "CreateAccountStatus": {
    "State": "IN_PROGRESS",
    "Id": "car-examplecreateaccountrequestid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateGovCloudAccount

This action is available if all of the following are true:

- You're authorized to create accounts in the AWS GovCloud (US) Region. For more information on the AWS GovCloud (US) Region, see the *AWS GovCloud User Guide.*
- You already have an account in the AWS GovCloud (US) Region that is paired with a management account of an organization in the commercial Region.
- You call this action from the management account of your organization in the commercial Region.
- You have the `organizations:CreateGovCloudAccount` permission.

AWS Organizations automatically creates the required service-linked role named `AWSServiceRoleForOrganizations`. For more information, see AWS Organizations and service-linked roles in the *AWS Organizations User Guide*.

AWS automatically enables CloudTrail for AWS GovCloud (US) accounts, but you should also do the following:

- Verify that CloudTrail is enabled to store logs.
- Create an Amazon S3 bucket for CloudTrail log storage.

  For more information, see Verifying CloudTrail Is Enabled in the *AWS GovCloud User Guide*.

If the request includes tags, then the requester must have the `organizations:TagResource` permission. The tags are attached to the commercial account associated with the GovCloud account, rather than the GovCloud account itself. To add tags to the GovCloud account, call the TagResource operation in the GovCloud Region after the new GovCloud account exists.

You call this action from the management account of your organization in the commercial Region to create a standalone AWS account in the AWS GovCloud (US) Region. After the account is created, the management account of an organization in the AWS GovCloud (US) Region can invite it to that organization. For more information on inviting standalone accounts in the AWS GovCloud (US) to join an organization, see AWS Organizations in the *AWS GovCloud User Guide*.

Calling `CreateGovCloudAccount` is an asynchronous request that AWS performs in the background. Because `CreateGovCloudAccount` operates asynchronously, it can return a

successful completion message even though account initialization might still be in progress. You might need to wait a few minutes before you can successfully access the account. To check the status of the request, do one of the following:

- Use the `Id` response element from this operation to provide as a parameter to the DescribeCreateAccountStatus operation.
- Check the CloudTrail log for the `CreateAccountResult` event. For information on using CloudTrail with Organizations, see Logging and monitoring in AWS Organizations in the *AWS Organizations User Guide*.

Additionally, the `AccountJoinedOrganization` event is logged in CloudTrail and is available only in the management account's event history only for the linked commercial account. This event includes `joinedMethod:Created` and `joinedTime` fields to provide context on how and when the account joined the organization.

When you call the `CreateGovCloudAccount` action, you create two accounts: a standalone account in the AWS GovCloud (US) Region and an associated account in the commercial Region for billing and support purposes. The account in the commercial Region is automatically a member of the organization whose credentials made the request. Both accounts are associated with the same email address.

A role is created in the new account in the commercial Region that allows the management account in the organization in the commercial Region to assume it. An AWS GovCloud (US) account is then created and associated with the commercial account that you just created. A role is also created in the new AWS GovCloud (US) account that can be assumed by the AWS GovCloud (US) account that is associated with the management account of the commercial organization. For more information and to view a diagram that explains how account access works, see AWS Organizations in the *AWS GovCloud User Guide*.

For more information about creating accounts, see Creating a member account in your organization in the *AWS Organizations User Guide*.

Important

- When you create an account in an organization using the AWS Organizations console, API, or CLI commands, the information required for the account to operate as a standalone account is *not* automatically collected. This includes a payment method and

signing the end user license agreement (EULA). If you must remove an account from your organization later, you can do so only after you provide the missing information. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- If you get an exception that indicates that you exceeded your account limits for the organization, contact AWS Support.
- If you get an exception that indicates that the operation failed because your organization is still initializing, wait one hour and then try again. If the error persists, contact AWS Support.
- Using `CreateGovCloudAccount` to create multiple temporary accounts isn't recommended. You can only close an account from the AWS Billing and Cost Management console, and you must be signed in as the root user. For information on the requirements and process for closing an account, see Closing a member account in your organization in the *AWS Organizations User Guide*.

Note

When you create a member account with this operation, you can choose whether to create the account with the **IAM User and Role Access to Billing Information** switch enabled. If you enable it, IAM users and roles that have appropriate permissions can view billing information for the account. If you disable it, only the account root user can access billing information. For information about how to disable this switch for an account, see Granting access to your billing information and tools.

Request Syntax

```
{
   "AccountName": "string",
   "Email": "string",
   "IamUserAccessToBilling": "string",
   "RoleName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
```

```
        }
    ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountName

The friendly name of the member account.

The account name can consist of only the characters [a-z],[A-Z],[0-9], hyphen (-), or dot (.) You can't separate characters with a dash (–).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[\u0020-\u007E]+`

Required: Yes

Email

Specifies the email address of the owner to assign to the new member account in the commercial Region. This email address must not already be associated with another AWS account. You must use a valid email address to complete account creation.

The rules for a valid email address:

- The address must be a minimum of 6 and a maximum of 64 characters long.
- All characters must be 7-bit ASCII characters.
- There must be one and only one @ symbol, which separates the local name from the domain name.
- The local name can't contain any of the following characters:

  whitespace, " ' ( ) < > [ ] : ; , \ | % &
- The local name can't begin with a dot (.)

- The domain name can consist of only the characters [a-z],[A-Z],[0-9], hyphen (-), or dot (.)
- The domain name can't begin or end with a hyphen (-) or dot (.)
- The domain name must contain at least one dot

You can't access the root user of the account or remove an account that was created with an invalid email address. Like all request parameters for `CreateGovCloudAccount`, the request for the email address for the AWS GovCloud (US) account originates from the commercial Region, not from the AWS GovCloud (US) Region.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `See rules in parameter description`

Required: Yes

IamUserAccessToBilling

If set to `ALLOW`, the new linked account in the commercial Region enables IAM users to access account billing information *if* they have the required permissions. If set to `DENY`, only the root user of the new account can access account billing information. For more information, see About IAM access to the Billing and Cost Management console in the *AWS Billing and Cost Management User Guide*.

If you don't specify this parameter, the value defaults to `ALLOW`, and IAM users and roles with the required permissions can access billing information for the new account.

Type: String

Valid Values: `ALLOW | DENY`

Required: No

RoleName

(Optional)

The name of an IAM role that AWS Organizations automatically preconfigures in the new member accounts in both the AWS GovCloud (US) Region and in the commercial Region. This role trusts the management account, allowing users in the management account to assume

the role, as permitted by the management account administrator. The role has administrator permissions in the new member account.

If you don't specify this parameter, the role name defaults to `OrganizationAccountAccessRole`.

For more information about how to use this role to access the member account, see the following links:

- Creating the OrganizationAccountAccessRole in an invited member account in the *AWS Organizations User Guide*
- Steps 2 and 3 in IAM Tutorial: Delegate access across AWS accounts using IAM roles in the *IAM User Guide*

The regex pattern that is used to validate this parameter. The pattern can include uppercase letters, lowercase letters, digits with no spaces, and any of the following characters: =,.@-

Type: String

Length Constraints: Maximum length of 64.

Pattern: `[\w+=,.@-]{1,64}`

Required: No

Tags

A list of tags that you want to attach to the newly created account. These tags are attached to the commercial account associated with the GovCloud account, and not to the GovCloud account itself. To add tags to the actual GovCloud account, call the TagResource operation in the GovCloud region after the new GovCloud account exists.

For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Note**
>
> If any one of the tags is not valid or if you exceed the maximum allowed number of tags for an account, then the entire request fails and the account is not created.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
   "CreateAccountStatus": {
      "AccountId": "string",
      "AccountName": "string",
      "CompletedTimestamp": number,
      "FailureReason": "string",
      "GovCloudAccountId": "string",
      "Id": "string",
      "RequestedTimestamp": number,
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreateAccountStatus

Contains the status about a CreateAccount or CreateGovCloudAccount request to create an AWS account or an AWS GovCloud (US) account in an organization.

Type: CreateAccountStatus object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.

- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.

- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.

- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.

- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

FinalizingOrganizationException

AWS Organizations couldn't perform the operation because your organization hasn't finished initializing. This can take up to an hour. Try again later. If after one hour you continue to receive this error, contact AWS Support.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.

- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).

- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to create a member account in the AWS GovCloud (US) Region in an organization. The commercial account is configured with the name `Production Account` and the email address of `anaya@example.com`. AWS Organizations automatically creates an IAM

role using the default name of `OrganizationAccountAccessRole` because the `roleName` parameter isn't specified. Also, the setting that allows IAM users or roles with sufficient permissions to access account billing data in the account in the commercial Region is set to the default value of `ALLOW` because the `IamUserAccessToBilling` parameter isn't specified. AWS Organizations automatically sends Anaya a "Welcome to AWS" email.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreateGovCloudAccount

{ "Email": "anaya@example.com", "AccountName": "Production Account" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "CreateAccountStatus": {
    "State": "IN_PROGRESS",
    "Id": "car-examplecreateaccountrequestid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

CreateOrganization

Creates an AWS organization. The account whose user is calling the `CreateOrganization` operation automatically becomes the management account of the new organization.

This operation must be called using credentials from the account that is to become the new organization's management account. The principal must also have the relevant IAM permissions.

By default (or if you set the `FeatureSet` parameter to `ALL`), the new organization is created with all features enabled and service control policies automatically enabled in the root. If you instead choose to create the organization supporting only the consolidated billing features by setting the `FeatureSet` parameter to `CONSOLIDATED_BILLING`, no policy types are enabled by default and you can't use organization policies.

The `AccountJoinedOrganization` event is logged in CloudTrail and is available only in the management account's event history. This event includes `joinedMethod:INVITED` and `joinedTime` fields to provide context on how and when the account joined the organization.

Request Syntax

```
{
   "FeatureSet": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

FeatureSet

Specifies the feature set supported by the new organization. Each feature set supports different levels of functionality.

- `CONSOLIDATED_BILLING`: All member accounts have their bills consolidated to and paid by the management account. For more information, see Consolidated billing in the *AWS Organizations User Guide*.

  The consolidated billing feature subset isn't available for organizations in the AWS GovCloud (US) Region.

- ALL: In addition to all the features supported by the consolidated billing feature set, the management account can also apply any policy type to any member account in the organization. For more information, see All features in the *AWS Organizations User Guide*.

Type: String

Valid Values: `ALL | CONSOLIDATED_BILLING`

Required: No

Response Syntax

```
{
   "Organization": {
      "Arn": "string",
      "AvailablePolicyTypes": [
         {
            "Status": "string",
            "Type": "string"
         }
      ],
      "FeatureSet": "string",
      "Id": "string",
      "MasterAccountArn": "string",
      "MasterAccountEmail": "string",
      "MasterAccountId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Organization

A structure that contains details about the newly created organization.

Type: Organization object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccessDeniedForDependencyException

The operation that you attempted requires you to have the `iam:CreateServiceLinkedRole` for `organizations.amazonaws.com` permission so that AWS Organizations can create the required service-linked role. You don't have that permission.

HTTP Status Code: 400

AlreadyInOrganizationException

This account is already a member of an organization. An account can belong to only one organization at a time.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated

administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.

- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.

- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.

- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.

- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

Diego wants to create an organization using credentials from account 111111111111. The following example shows that the account becomes the management account in the new organization. Because he doesn't specify a features set, the new organization defaults to all features enabled and service control policies are enabled on the root.

The output includes an organization structure that contains details about the new organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreateOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Organization": {
    "AvailablePolicyTypes": [
      {
        "Status": "ENABLED",
        "Type": "SERVICE_CONTROL_POLICY"
      }
    ],
    "MasterAccountId": "111111111111",
    "MasterAccountArn": "arn:aws:organizations::111111111111:account/o-
exampleorgid/111111111111",
    "MasterAccountEmail": "diego@example.com",
    "FeatureSet": "ALL",
    "Id": "o-exampleorgid",
    "Arn": "arn:aws:organizations::111111111111:organization/o-exampleorgid"
  }
}
```

Example

The following example creates an organization that supports only the consolidated billing features.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreateOrganization

{ "FeatureSet": "CONSOLIDATED_BILLING" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Organization": {
    "Arn": "arn:aws:organizations::111111111111:organization/o-exampleorgid",
    "AvailablePolicyTypes": [],
    "Id": "o-exampleorgid",
    "MasterAccountArn": "arn:aws:organizations::111111111111:account/o-
exampleorgid/111111111111",
    "MasterAccountEmail": "diego@example.com",
    "MasterAccountId": "111111111111",
    "FeatureSet": "CONSOLIDATED_BILLING"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateOrganizationalUnit

Creates an organizational unit (OU) within a root or parent OU. An OU is a container for accounts that enables you to organize your accounts to apply policies according to your business requirements. The number of levels deep that you can nest OUs is dependent upon the policy types enabled for that root. For service control policies, the limit is five.

For more information about OUs, see Managing organizational units (OUs) in the *AWS Organizations User Guide*.

If the request includes tags, then the requester must have the `organizations:TagResource` permission.

You can only call this operation from the management account.

Request Syntax

```
{
   "Name": "string",
   "ParentId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Name

The friendly name to assign to the new OU.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: Yes

ParentId

ID for the parent root or OU that you want to create the new OU in.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Tags

A list of tags that you want to attach to the newly created OU. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Note**
>
> If any one of the tags is not valid or if you exceed the allowed number of tags for an OU, then the entire request fails and the OU is not created.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
```

```
   "OrganizationalUnit": {
      "Arn": "string",
      "Id": "string",
      "Name": "string",
      "Path": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationalUnit

A structure that contains details about the newly created OU.

Type: OrganizationalUnit object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicateOrganizationalUnitException

An OU with the same name already exists.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ParentNotFoundException

We can't find a root or OU with the `ParentId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to create an OU that is named `AccountingOU`.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreateOrganizationalUnit

{ "ParentId": "r-examplerootid111", "Name": "AccountingOU" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
```

```
  "OrganizationalUnit": {
    "Id": "ou-examplerootid111-exampleouid111",
    "Arn": "arn:aws:organizations::111111111111:ou/o-exampleorgid/ou-examplerootid111-
exampleouid111",
    "Name": "AccountingOU",
    "Path": "o-exampleorgid/r-examplerootid111/ou-examplerootid111-exampleouid111/"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreatePolicy

Creates a policy of a specified type that you can attach to a root, an organizational unit (OU), or an individual AWS account.

For more information about policies and their use, see Managing AWS Organizations policies.

If the request includes tags, then the requester must have the `organizations:TagResource` permission.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "Content": "string",
   "Description": "string",
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Content

The policy text content to add to the new policy. The text that you supply must adhere to the rules of the policy type you specify in the Type parameter.

The maximum size of a policy document depends on the policy's type. For more information, see Maximum and minimum values in the *AWS Organizations User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: Yes

Description

An optional description to assign to the policy.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `[\s\S]*`

Required: Yes

Name

The friendly name to assign to the policy.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: Yes

Tags

A list of tags that you want to attach to the newly created policy. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Note**
>
> If any one of the tags is not valid or if you exceed the allowed number of tags for a policy, then the entire request fails and the policy is not created.

Type: Array of Tag objects

Required: No

Type

The type of policy to create. You can specify one of the following values:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

Response Syntax

```
{
```

```
   "Policy": {
      "Content": "string",
      "PolicySummary": {
         "Arn": "string",
         "AwsManaged": boolean,
         "Description": "string",
         "Id": "string",
         "Name": "string",
         "Type": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Policy

A structure that contains details about the newly created policy.

Type: Policy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicatePolicyException

A policy with the same name already exists.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

MalformedPolicyDocumentException

The provided policy document doesn't meet the requirements of the specified policy type. For example, the syntax might be incorrect. For details about service control policy syntax, see SCP syntax in the *AWS Organizations User Guide*.

HTTP Status Code: 400

PolicyTypeNotAvailableForOrganizationException

You can't use the specified policy type with the feature set currently enabled for this organization. For example, you can enable SCPs only after you enable all features in the organization. For more information, see Managing AWS Organizations policiesin the *AWS Organizations User Guide*.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to create a service control policy (SCP) that is named `AllowAllS3Actions`. The JSON string in the `content` parameter specifies the content in the policy. The parameter string is escaped with backslashes. This helps ensure that the embedded double quotation marks in the JSON policy are treated as literals in the parameter, which itself is surrounded by double quotation marks.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreatePolicy

{ "Content": "{\"Version\":\"2012-10-17\",\"Statement\":{\"Effect\":\"Allow\",\"Action
\":\"s3:*\"}}",
  "Type": "SERVICE_CONTROL_POLICY",
  "Description": "Enables admins of attached accounts to delegate all S3 permissions",
  "Name": "AllowAllS3Actions" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Policy": {
    "Content": "{\"Version\":\"2012-10-17\",\"Statement\":{\"Effect\":\"Allow\",
\"Action\":\"s3:*\"}}",
    "PolicySummary": {
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid111",
      "Description": "Allows delegation of all S3 actions",
      "Name": "AllowAllS3Actions",
      "Type":"SERVICE_CONTROL_POLICY"
    }
  }
}
```

Example

The following example shows how to create a resource control policy (RCP) that is named `EnforceSSL`. The JSON string in the `content` parameter specifies the content in the policy. The parameter string is escaped with backslashes. This helps ensure that the embedded double quotation marks in the JSON policy are treated as literals in the parameter, which itself is surrounded by double quotation marks.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.CreatePolicy

{  "Content": " {\"Version\":\"2012-10-
17\",\"Statement\":{\"Effect\":\"Deny\",\"Principal\":\"*\",\"Action\":\"*\",\"Resource
\":
\"*\,"Condition\":{\"BoolIfExists\":{\"aws:SecureTransport\":\"false\"}}",
 "Description": "Requires that access to all resources are sent using SSL",
 "Name": "EnforceSSL",
 "Type": "RESOURCE_CONTROL_POLICY"
}
```

Sample Response

```
"HTTP/1.1 200 OK
Content-Type":"application/json"{
   "Policy":{
      "Content":" {\"Version\":\"2012-10-
17\",\"Statement\":{\"Effect\":\"Deny\",\"Principal\":\"*\",""Action\\"":\"*\",
\"Resource\":
\"*\\,""Condition\\"":{\"BoolIfExists\":{\"aws:SecureTransport\":\"false\"}}",
      "PolicySummary":{
         "Arn":"arn:aws:organizations::111111111111:policy/oexampleorgid/
resource_control_policy/p-examplepolicyid111",
         "Description":"Requires that access to all resources are sent using SSL",
         "Name":"EnforceSSL",
         "Type":"RESOURCE_CONTROL_POLICY"
      }
   }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeclineHandshake

Declines a Handshake.

Only the account that receives a handshake can call this operation. The sender of the handshake can use CancelHandshake to cancel if the handshake hasn't yet been responded to.

You can view canceled handshakes in API responses for 30 days before they are deleted.

Request Syntax

```
{
   "HandshakeId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HandshakeId

ID for the handshake that you want to decline. You can get the ID from the ListHandshakesForAccount operation.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
```

```
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A Handshake object. Contains details for the declined handshake.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

HandshakeAlreadyInStateException

The specified handshake is already in the requested state. For example, you can't accept a handshake that was already accepted.

HTTP Status Code: 400

HandshakeNotFoundException

We can't find a handshake with the `HandshakeId` that you specified.

HTTP Status Code: 400

InvalidHandshakeTransitionException

You can't perform the operation on the handshake in its current state. For example, you can't cancel a handshake that was already accepted or accept a handshake that was already declined.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can't add, edit, or delete system tag keys because they're reserved for AWS use. System tags don't count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows Anaya declining an invitation to join Diego's organization. The `DeclineHandshake` operation returns a handshake object, showing that the state is now `DECLINED`.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DeclineHandshake

{ "HandshakeId": "h-examplehandshakeid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Handshake": {
    "Id": "h-examplehandshakeid111",
    "State": "DECLINED",
    "Resources": [
      {
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid",
        "Resources": [
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
          },
```

```
          {
            "Type": "MASTER_NAME",
            "Value": "Management account"
          }
        ]
      },
      {
        "Type": "EMAIL",
        "Value": "anaya@example.com"
      },
      {
        "Type": "NOTES",
        "Value": "This is an invitation to Anaya's account to join the Diego's
 organization."
      }
    ],
    "Parties": [
      {
        "Type": "EMAIL",
        "Id": "anaya@example.com"
      },
      {
        "Type": "ORGANIZATION",
        "Id": "o-exampleorgid"
      }
    ],
    "Action": "INVITE",
    "RequestedTimestamp": 1470684478.687,
    "ExpirationTimestamp": 1471980478.687,
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteOrganization

Deletes the organization. You can delete an organization only by using credentials from the management account. The organization must be empty of member accounts.

When an organization is deleted, Organizations logs a membership event in CloudTrail. The event is an `AccountDepartedOrganization` event with `departureMethod:LEFT` and `departureTime`. This event is available only in the management account's event history.

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or

creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.

- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.

- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:

  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.

- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.

- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

OrganizationNotEmptyException

The organization isn't empty. To delete an organization, you must first remove all accounts except the management account.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to delete an organization. To perform this operation, you must be an admin of the management account in the organization. The example assumes that you previously removed all the member accounts, OUs, and policies from the organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DeleteOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteOrganizationalUnit

Deletes an organizational unit (OU) from a root or another OU. You must first remove all accounts and child OUs from the OU that you want to delete.

You can only call this operation from the management account.

Request Syntax

```
{
   "OrganizationalUnitId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

OrganizationalUnitId

ID for the organizational unit that you want to delete. You can get the ID from the ListOrganizationalUnitsForParent operation.

The regex pattern for an organizational unit ID string requires "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 68.

Pattern: `^ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.

- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.

- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

OrganizationalUnitNotEmptyException

The specified OU is not empty. Move all accounts to another root or to other OUs, remove all child OUs, and try the operation again.

HTTP Status Code: 400

OrganizationalUnitNotFoundException

We can't find an OU with the `OrganizationalUnitId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to delete an OU. The example assumes that you previously removed all accounts and other OUs from the OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DeleteOrganizationalUnit

{ "OrganizationalUnitId": "ou-examplerootid111-exampleouid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeletePolicy

Deletes the specified policy from your organization. Before you perform this operation, you must first detach the policy from all organizational units (OUs), roots, and accounts.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "PolicyId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyId

ID for the policy that you want to delete. You can get the ID from the ListPolicies or ListPoliciesForTarget operations.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.

- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.

- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyInUseException

The policy is attached to one or more entities. You must detach it from all roots, OUs, and accounts before performing this operation.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to delete a policy from an organization. The example assumes that you previously detached the policy from all entities.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DeletePolicy

{ "PolicyId": "p-examplepolicyid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteResourcePolicy

Deletes the resource policy from your organization.

You can only call this operation from the management account.

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated

administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.

- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.

- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

ResourcePolicyNotFoundException

We can't find a resource policy request with the parameter that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeregisterDelegatedAdministrator

Removes the specified member AWS account as a delegated administrator for the specified AWS service.

> **Important**
>
> Deregistering a delegated administrator can have unintended impacts on the functionality of the enabled AWS service. See the documentation for the enabled service before you deregister a delegated administrator so that you understand any potential impacts.

You can run this action only for AWS services that support this feature. For a current list of services that support it, see the column *Supports Delegated Administrator* in the table at AWS Services that you can use with AWS Organizations in the *AWS Organizations User Guide.*

You can only call this operation from the management account.

Request Syntax

```
{
   "AccountId": "string",
   "ServicePrincipal": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The account ID number of the member account in the organization that you want to deregister as a delegated administrator.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

ServicePrincipal

The service principal name of an AWS service for which the account is a delegated administrator.

Delegated administrator privileges are revoked for only the specified AWS service from the member account. If the specified service is the only service for which the member account is a delegated administrator, the operation also revokes Organizations read action permissions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: [\w+=,.@-]*

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the AccountId that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AccountNotRegisteredException

The specified account is not a delegated administrator for this AWS service.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.

- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.

- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.

- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.

- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of DeregisterDelegatedAdministrator.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DeregisterDelegatedAdministrator

{ "AccountId": "555555555555", "ServicePrincipal": "example.amazonaws.com" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeAccount

Retrieves AWS Organizations-related information about the specified account.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "AccountId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The unique identifier (ID) of the AWS account that you want information about. You can get the ID from the ListAccounts or ListAccountsForParent operations.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

Response Syntax

```
{
   "Account": {
      "Arn": "string",
      "Email": "string",
```

```
      "Id": "string",
      "JoinedMethod": "string",
      "JoinedTimestamp": number,
      "Name": "string",
      "Paths": [ "string" ],
      "State": "string",
      "Status": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Account

A structure that contains information about the requested account.

> **Important**
>
> The `Status` parameter in the API response will be retired on September 9, 2026. Although both the account `State` and account `Status` parameters are currently available in the AWS Organizations APIs (`DescribeAccount`, `ListAccounts`, `ListAccountsForParent`), we recommend that you update your scripts or other code to use the `State` parameter instead of `Status` before September 9, 2026.

Type: Account object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.

- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.

- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request information about member account 555555555555.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DescribeAccount

{ "AccountId": "555555555555" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Account": {
    "Id": "555555555555",
    "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/555555555555",
    "Name": "Beta account",
    "Email": "anika@example.com",
    "JoinedMethod": "INVITED",
    "JoinedTimeStamp": 1481756563.134,
    "State": "ACTIVE",
    "Status": "ACTIVE",
    "Paths": [
      "o-exampleorgid/r-examplerootid111/555555555555/"
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeCreateAccountStatus

Retrieves the current status of an asynchronous request to create an account.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "CreateAccountRequestId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

CreateAccountRequestId

Specifies the `Id` value that uniquely identifies the `CreateAccount` request. You can get the value from the `CreateAccountStatus.Id` response in an earlier CreateAccount request, or from the ListCreateAccountStatus operation.

The regex pattern for a create account request ID string requires "car-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 36.

Pattern: `^car-[a-z0-9]{8,32}$`

Required: Yes

Response Syntax

```
{
```

```
   "CreateAccountStatus": {
      "AccountId": "string",
      "AccountName": "string",
      "CompletedTimestamp": number,
      "FailureReason": "string",
      "GovCloudAccountId": "string",
      "Id": "string",
      "RequestedTimestamp": number,
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreateAccountStatus

A structure that contains the current status of an account creation request.

Type: CreateAccountStatus object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

CreateAccountStatusNotFoundException

We can't find an create account request with the `CreateAccountRequestId` that you specified.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.

- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).

- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to request the latest status for a previous request to create an account in an organization. The specified `CreateAccountRequestId` comes from the response

of the original call to CreateAccount. The account creation request shows by the `status` field that AWS Organizations successfully completed the creation of the account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DescribeCreateAccountStatus

{ "CreateAccountRequestId": "car-examplecreateaccountrequestid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "CreateAccountStatusRequest": {
    "State": "SUCCEEDED",
    "AccountId": "555555555555",
    "AccountName": "Beta account",
    "RequestedTimestamp": 1470684478.687,
    "CompletedTimestamp": 1470684532.472,
    "Id": "car-examplecreateaccountrequestid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeEffectivePolicy

Returns the contents of the effective policy for specified policy type and account. The effective policy is the aggregation of any policies of the specified type that the account inherits, plus any policy of that type that is directly attached to the account.

This operation applies only to management policies. It does not apply to authorization policies: service control policies (SCPs) and resource control policies (RCPs).

For more information about policy inheritance, see Understanding management policy inheritance in the *AWS Organizations User Guide*.

You can call this operation from any account in a organization.

Request Syntax

```
{
   "PolicyType": "string",
   "TargetId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyType

The type of policy that you want information about. You can specify one of the following values:

- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY

- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

TargetId

When you're signed in as the management account, specify the ID of the account that you want details about. Specifying an organization root or organizational unit (OU) as the target is not supported.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: No

Response Syntax

```
{
   "EffectivePolicy": {
      "LastUpdatedTimestamp": number,
      "PolicyContent": "string",
      "PolicyType": "string",
      "TargetId": "string"
```

```
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EffectivePolicy

The contents of the effective policy.

Type: EffectivePolicy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated

administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.

- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.

- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

EffectivePolicyNotFoundException

If you ran this action on the management account, this policy type is not enabled. If you ran the action on a member account, the account doesn't have an effective policy of this type. Contact the administrator of your organization about attaching a policy of this type to the account.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeHandshake

Returns details for a handshake. A handshake is the secure exchange of information between two AWS accounts: a sender and a recipient.

You can view `ACCEPTED`, `DECLINED`, or `CANCELED` handshakes in API Responses for 30 days before they are deleted.

You can call this operation from any account in a organization.

Request Syntax

```
{
   "HandshakeId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

HandshakeId

ID for the handshake that you want information about.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
```

```
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A Handshake object. Contains details for the handshake.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

HandshakeNotFoundException

We can't find a handshake with the `HandshakeId` that you specified.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.

- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.

- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request details about a handshake.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DescribeHandshake

{ "HandshakeId": "h-examplehandshakeid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Handshake": {
    "Id": "h-examplehandshakeid111",
    "State": "OPEN",
    "Resources": [
      {
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid",
        "Resources": [
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
          },
          {
            "Type": "MASTER_NAME",
            "Value": "Management account"
          }
        ]
      },
      {
        "Type": "EMAIL",
        "Value": "anika@example.com"
      }
    ],
    "Parties": [
      {
```

```
        "Type": "ORGANIZATION",
        "Id": "o-exampleorgid"
      },
      {
        "Type": "EMAIL",
        "Id": "anika@example.com"
      }
    ],
    "Action": "INVITE",
    "RequestedTimestamp": 1470158698.046,
    "ExpirationTimestamp": 1471454698.046,
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeOrganization

Retrieves information about the organization that the user's account belongs to.

You can call this operation from any account in a organization.

> **Note**
>
> Even if a policy type is shown as available in the organization, you can disable it separately at the root level with DisablePolicyType. Use ListRoots to see the status of policy types for a specified root.

Response Syntax

```
{
   "Organization": {
      "Arn": "string",
      "AvailablePolicyTypes": [
         {
            "Status": "string",
            "Type": "string"
         }
      ],
      "FeatureSet": "string",
      "Id": "string",
      "MasterAccountArn": "string",
      "MasterAccountEmail": "string",
      "MasterAccountId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Organization

A structure that contains information about the organization.

> **Important**
>
> The `AvailablePolicyTypes` part of the response is deprecated, and you shouldn't use it in your apps. It doesn't include any policy type supported by Organizations other than SCPs. In the China (Ningxia) Region, no policy type is included. To determine which policy types are enabled in your organization, use the `ListRoots` operation.

Type: Organization object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request information about the current user's organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DescribeOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Organization": {
    "MasterAccountArn": "arn:aws:organizations::111111111111:account/o-
exampleorgid/111111111111",
    "MasterAccountEmail": "diego@example.com",
    "MasterAccountId": "111111111111",
    "Id": "o-exampleorgid",
    "FeatureSet": "ALL",
    "Arn": "arn:aws:organizations::111111111111:organization/o-exampleorgid",
    "AvailablePolicyTypes": [ ...DEPRECATED - DO NOT USE... ]
    ]
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeOrganizationalUnit

Retrieves information about an organizational unit (OU).

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "OrganizationalUnitId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

OrganizationalUnitId

ID for the organizational unit that you want details about. You can get the ID from the ListOrganizationalUnitsForParent operation.

The regex pattern for an organizational unit ID string requires "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 68.

Pattern: `^ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}$`

Required: Yes

Response Syntax

```
{
   "OrganizationalUnit": {
```

```
        "Arn": "string",
        "Id": "string",
        "Name": "string",
        "Path": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationalUnit

A structure that contains details about the specified OU.

Type: OrganizationalUnit object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

OrganizationalUnitNotFoundException

We can't find an OU with the `OrganizationalUnitId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request details about an OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DescribeOrganizationalUnit

{ "OrganizationalUnitId": "ou-examplerootid111-exampleouid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
```

```
  "OrganizationalUnit": {
    "Name": "Accounting Group",
    "Arn": "arn:aws:organizations::111111111111:ou/o-exampleorgid/ou-examplerootid111-
exampleouid111",
    "Id": "ou-examplerootid111-exampleouid111",
    "Path": "o-exampleorgid/r-examplerootid111/ou-examplerootid111-exampleouid111/"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribePolicy

Retrieves information about a policy.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "PolicyId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyId

ID for the policy that you want details about. You can get the ID from the ListPolicies or ListPoliciesForTarget operations.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

Response Syntax

```
{
   "Policy": {
```

```
      "Content": "string",
      "PolicySummary": {
         "Arn": "string",
         "AwsManaged": boolean,
         "Description": "string",
         "Id": "string",
         "Name": "string",
         "Type": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Policy

A structure that contains details about the specified policy.

Type: Policy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.

- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.

- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to request information about a policy.

Sample Request

```
POST / HTTP/1.1
```

```
X-Amz-Target: AWSOrganizationsV20161128.DescribePolicy

{ "PolicyId": "p-examplepolicyid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Policy": {
    "Content": "{\n  \"Version\": \"2012-10-17\",\n  \"Statement\": [\n    {\n
 \"Effect\": \"Allow\",\n      \"Action\": \"*\",\n      \"Resource\": \"*\"\n    }\n
  ]\n}",
    "PolicySummary": {
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid111",
      "Type": "SERVICE_CONTROL_POLICY",
      "Id": "p-examplepolicyid111",
      "AwsManaged": false,
      "Name": "AllowAllS3Actions",
      "Description": "Enables admins to delegate S3 permissions"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

DescribeResourcePolicy

Retrieves information about a resource policy.

You can only call this operation from the management account or a member account that is a delegated administrator.

Response Syntax

```
{
   "ResourcePolicy": {
      "Content": "string",
      "ResourcePolicySummary": {
         "Arn": "string",
         "Id": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourcePolicy

A structure that contains details about the resource policy.

Type: ResourcePolicy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

ResourcePolicyNotFoundException

We can't find a resource policy request with the parameter that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DescribeResponsibilityTransfer

Returns details for a transfer. A *transfer* is an arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

Request Syntax

```
{
   "Id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Id

ID for the transfer.

Type: String

Pattern: `^rt-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
   "ResponsibilityTransfer": {
      "ActiveHandshakeId": "string",
      "Arn": "string",
      "EndTimestamp": number,
      "Id": "string",
      "Name": "string",
      "Source": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
```

```
      },
      "StartTimestamp": number,
      "Status": "string",
      "Target": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
      },
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResponsibilityTransfer

A `ResponsibilityTransfer` object. Contains details for a transfer.

Type: ResponsibilityTransfer object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.

- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.

- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ResponsibilityTransferNotFoundException

We can't find a transfer that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to request information about a transfer.

Sample Request

```
POST / HTTP/1.1
```

```
X-Amz-Target: AWSOrganizationsV20161128.DescribeResponsibilityTransfer

{ "Id": "rt-exampletransferid222" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "ResponsibilityTransfer": {
    "Arn": "arn:aws:organizations::222222222222:transfer/o-exampleorgid222/billing/
outbound/rt-exampletransferid222",
    "EndTimestamp": "1769903999000",
    "Id": "rt-exampletransferid222",
    "Name": "sample transfer",
    "Source": {
        "ManagementAccountEmail": "alice@example.com",
        "ManagementAccountId": "222222222222"
    },
    "StartTimestamp": "1767225600000",
    "Status": "WITHDRAWN",
    "Target": {
        "ManagementAccountEmail": "juan@example.com",
        "ManagementAccountId": "333333333333"
    },
    "Type": "BILLING"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DetachPolicy

Detaches a policy from a target root, organizational unit (OU), or account.

> **Important**
>
> If the policy being detached is a service control policy (SCP), the changes to permissions for AWS Identity and Access Management (IAM) users and roles in affected accounts are immediate.

Every root, OU, and account must have at least one SCP attached. If you want to replace the default `FullAWSAccess` policy with an SCP that limits the permissions that can be delegated, you must attach the replacement SCP before you can remove the default SCP. This is the authorization strategy of an "allow list". If you instead attach a second SCP and leave the `FullAWSAccess` SCP still attached, and specify `"Effect": "Deny"` in the second SCP to override the `"Effect": "Allow"` in the `FullAWSAccess` policy (or any other attached SCP), you're using the authorization strategy of a "deny list".

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "PolicyId": "string",
   "TargetId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyId

ID for the policy you want to detach. You can get the ID from the ListPolicies or ListPoliciesForTarget operations.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

TargetId

ID for the root, OU, or account that you want to detach the policy from. You can get the ID from the ListRoots, ListOrganizationalUnitsForParent, or ListAccounts operations.

The regex pattern for a target ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the

steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the

marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.

- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.

- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.

- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.

- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyChangesInProgressException

Changes to the effective policy are in progress, and its contents can't be returned. Try the operation again later.

HTTP Status Code: 400

PolicyNotAttachedException

The policy isn't attached to the specified target in the specified root.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to detach a policy from an OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DetachPolicy

{ "TargetId": "ou-examplerootid111-exampleouid111", "PolicyId": "p-
examplepolicyid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisableAWSServiceAccess

Disables the integration of an AWS service (the service that is specified by `ServicePrincipal`) with AWS Organizations. When you disable integration, the specified service no longer can create a service-linked role in *new* accounts in your organization. This means the service can't perform operations on your behalf on any new accounts in your organization. The service can still perform operations in older accounts until the service completes its clean-up from AWS Organizations.

Important

We ***strongly recommend*** that you don't use this command to disable integration between AWS Organizations and the specified AWS service. Instead, use the console or commands that are provided by the specified service. This lets the trusted service perform any required initialization when enabling trusted access, such as creating any required resources and any required clean up of resources when disabling trusted access.
For information about how to disable trusted service access to your organization using the trusted service, see the **Learn more** link under the **Supports Trusted Access** column at AWS services that you can use with AWS Organizations. on this page.
If you disable access by using this command, it causes the following actions to occur:

- The service can no longer create a service-linked role in the accounts in your organization. This means that the service can't perform operations on your behalf on any new accounts in your organization. The service can still perform operations in older accounts until the service completes its clean-up from AWS Organizations.
- The service can no longer perform tasks in the member accounts in the organization, unless those operations are explicitly permitted by the IAM policies that are attached to your roles. This includes any data aggregation from the member accounts to the management account, or to a delegated administrator account, where relevant.
- Some services detect this and clean up any remaining data or resources related to the integration, while other services stop accessing the organization but leave any historical data and configuration in place to support a possible re-enabling of the integration.

Using the other service's console or commands to disable the integration ensures that the other service is aware that it can clean up any resources that are required only for the integration. How the service cleans up its resources in the organization's accounts depends on that service. For more information, see the documentation for the other AWS service.

After you perform the `DisableAWSServiceAccess` operation, the specified service can no longer perform operations in your organization's accounts

For more information about integrating other services with AWS Organizations, including the list of services that work with Organizations, see Using AWS Organizations with other AWS services in the *AWS Organizations User Guide*.

You can only call this operation from the management account.

Request Syntax

```
{
   "ServicePrincipal": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ServicePrincipal

The service principal name of the AWS service for which you want to disable integration with your organization. This is typically in the form of a URL, such as *`service-abbreviation`*`.amazonaws.com`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+=,.@-]*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the

steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the

marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.

- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.

- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.

- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.

- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to disable integration with an AWS service.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DisableAWSServiceAccess
```

```
{"ServicePrincipal": "anAwsService.amazonaws.com"}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisablePolicyType

Disables an organizational policy type in a root. A policy of a certain type can be attached to entities in a root only if that type is enabled in the root. After you perform this operation, you no longer can attach policies of the specified type to that root or to any organizational unit (OU) or account in that root. You can undo this by using the EnablePolicyType operation.

This is an asynchronous request that AWS performs in the background. If you disable a policy type for a root, it still appears enabled for the organization if all features are enabled for the organization. AWS recommends that you first use ListRoots to see the status of policy types for a specified root, and then use this operation.

You can only call this operation from the management account or a member account that is a delegated administrator.

To view the status of available policy types in the organization, use ListRoots.

Request Syntax

```
{
   "PolicyType": "string",
   "RootId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyType

The policy type that you want to disable in this root. You can specify one of the following values:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY

- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

RootId

ID for the root in which you want to disable a policy type. You can get the ID from the ListRoots operation.

The regex pattern for a root ID string requires "r-" followed by from 4 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^r-[0-9a-z]{4,32}$`

Required: Yes

Response Syntax

```
{
```

```
   "Root": {
      "Arn": "string",
      "Id": "string",
      "Name": "string",
      "PolicyTypes": [
         {
            "Status": "string",
            "Type": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Root

A structure that shows the root with the updated list of enabled policy types.

Type: Root object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyChangesInProgressException

Changes to the effective policy are in progress, and its contents can't be returned. Try the operation again later.

HTTP Status Code: 400

PolicyTypeNotEnabledException

The specified policy type isn't currently enabled in this root. You can't attach policies of the specified type to entities in a root until you enable that type in the root. For more information, see Enabling all features in your organization in the *AWS Organizations User Guide*.

HTTP Status Code: 400

RootNotFoundException

We can't find a root with the `RootId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

The following example shows how to disable the service control policy (SCP) policy type in a root. The response shows that the `PolicyTypes` response element no longer includes `SERVICE_CONTROL_POLICY`.

Example

This example illustrates one usage of DisablePolicyType.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.DisablePolicyType

{ "RootId": "r-examplerootid111", "PolicyType": "SERVICE_CONTROL_POLICY" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Root": {
    "PolicyTypes": [
      {
        "Status": "ENABLED",
        "Type": "AISERVICES_OPT_OUT_POLICY"
      },
      {
        "Status": "ENABLED",
        "Type": "BACKUP_POLICY"
      },
      {
        "Status": "ENABLED",
        "Type": "TAG_POLICY"
      },
      {
        "Status": "ENABLED",
        "Type": "RESOURCE_CONTROL_POLICY"
      }
    ],
    "Name": "Root",
```

```
    "Id": "r-examplerootid111",
    "Arn": "arn:aws:organizations::111111111111:root/o-exampleorgid/r-examplerootid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

EnableAllFeatures

Enables all features in an organization. This enables the use of organization policies that can restrict the services and actions that can be called in each account. Until you enable all features, you have access only to consolidated billing, and you can't use any of the advanced account administration features that AWS Organizations supports. For more information, see Enabling all features in your organization in the *AWS Organizations User Guide*.

> **Important**
>
> This operation is required only for organizations that were created explicitly with only the consolidated billing features enabled. Calling this operation sends a handshake to every invited account in the organization. The feature set change can be finalized and the additional features enabled only after all administrators in the invited accounts approve the change by accepting the handshake.

After you enable all features, you can separately enable or disable individual policy types in a root using EnablePolicyType and DisablePolicyType. To see the status of policy types in a root, use ListRoots.

After all invited member accounts accept the handshake, you finalize the feature set change by accepting the handshake that contains `"Action": "ENABLE_ALL_FEATURES"`. This completes the change.

After you enable all features in your organization, the management account in the organization can apply policies on all member accounts. These policies can restrict what users and even administrators in those accounts can do. The management account can apply policies that prevent accounts from leaving the organization. Ensure that your account administrators are aware of this.

You can only call this operation from the management account.

Response Syntax

```
{
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
```

```
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A structure that contains details about the handshake created to support this request to enable all features in the organization.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.

- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.

- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.

- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.

- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

HandshakeConstraintViolationException

The requested operation would violate the constraint identified in the reason code.

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation:

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. Note that deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception immediately after creating the organization, wait one hour and try again. If after an hour it continues to fail with this error, contact AWS Support.

- ALREADY_IN_AN_ORGANIZATION: The handshake request is invalid because the invited account is already a member of an organization.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVITE_DISABLED_DURING_ENABLE_ALL_FEATURES: You can't issue new invitations to join an organization while it's in the process of enabling all features. You can resume inviting accounts after you finalize the process when all accounts have agreed to the change.
- LEGACY_PERMISSIONS_STILL_IN_USE: Your organization must migrate to use the new IAM fine-grained actions for billing, cost management, and accounts.
- ORGANIZATION_ALREADY_HAS_ALL_FEATURES: The handshake request is invalid because the organization has already enabled all features.
- ORGANIZATION_FROM_DIFFERENT_SELLER_OF_RECORD: You can only join an organization that operates in the same AWS partition as your account.
- ORGANIZATION_IS_ALREADY_PENDING_ALL_FEATURES_MIGRATION: The handshake request is invalid because the organization has already started the process to enable all features.
- ORGANIZATION_MEMBERSHIP_CHANGE_RATE_LIMIT_EXCEEDED: You attempted to change the membership of an account too quickly after its previous change.

- PAST_DUE_INVOICE: Your organization has an invoice that is past due.
- PAYMENT_INSTRUMENT_REQUIRED: You can't complete the operation with an account that doesn't have a payment instrument, such as a credit card, associated with it.
- RESPONSIBILITY_TRANSFER_ALREADY_EXISTS: You cannot perform this operation with the current transfer.
- SOURCE_AND_TARGET_CANNOT_MATCH: An account can't accept a transfer invitation if it is both the sender and recipient of the invitation.
- TARGET_ACCOUNT_VALIDATION_FAILURE: Billing transfer is not available for your account. Contact your billing administrator or AWS Support for assistance.
- UNUSED_PREPAYMENT_BALANCE: Your organization has an outstanding pre-payment balance.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.

- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.

- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

This example shows the administrator asking all the invited accounts in the organization to approve enabled all features in the organization. AWS Organizations sends an email to the address that is registered with every invited member account. The email asks the owner to approve the change to all features by accepting the handshake that is sent. After all invited member accounts accept the handshake, the organization administrator can finalize the change to all features. After that, those with appropriate permissions can create policies and apply them to roots, organizational units (OUs), and accounts.

Example

This example illustrates one usage of EnableAllFeatures.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.EnableAllFeatures

{}
```

Example

This example illustrates one usage of EnableAllFeatures.

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Handshake": {
    "Action": "ENABLE_ALL_FEATURES",
    "Arn":"arn:aws:organizations::111111111111:handshake/o-exampleorgid/
enable_all_features/h-examplehandshakeid111",
    "ExpirationTimestamp":1.483127868609E9,
    "Id":"h-examplehandshakeid111",
    "Parties": [
      {
        "id":"o-exampleorgid",
        "type":"ORGANIZATION"
```

```
      }
    ],
    "requestedTimestamp":1.481831868609E9,
    "resources": [
      {
        "type":"ORGANIZATION",
        "value":"o-exampleorgid"
      }
    ],
    "state":"REQUESTED"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

EnableAWSServiceAccess

Provides an AWS service (the service that is specified by `ServicePrincipal`) with permissions to view the structure of an organization, create a service-linked role in all the accounts in the organization, and allow the service to perform operations on behalf of the organization and its accounts. Establishing these permissions can be a first step in enabling the integration of an AWS service with AWS Organizations.

> **Important**
>
> We recommend that you enable integration between AWS Organizations and the specified AWS service by using the console or commands that are provided by the specified service. Doing so ensures that the service is aware that it can create the resources that are required for the integration. How the service creates those resources in the organization's accounts depends on that service. For more information, see the documentation for the other AWS service.

For more information about enabling services to integrate with AWS Organizations, see Using AWS Organizations with other AWS services in the *AWS Organizations User Guide*.

You can only call this operation from the management account.

Request Syntax

```
{
   "ServicePrincipal": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ServicePrincipal

The service principal name of the AWS service for which you want to enable integration with your organization. This is typically in the form of a URL, such as *service-abbreviation*`.amazonaws.com`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+=,.@-]*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated

administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.

- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.

- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.

- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.

- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to enable integration with another AWS service.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.EnableAWSServiceAccess

{"ServicePrincipal": "anAwsService.amazonaws.com"}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

EnablePolicyType

Enables a policy type in a root. After you enable a policy type in a root, you can attach policies of that type to the root, any organizational unit (OU), or account in that root. You can undo this by using the DisablePolicyType operation.

This is an asynchronous request that AWS performs in the background. AWS recommends that you first use ListRoots to see the status of policy types for a specified root, and then use this operation.

You can only call this operation from the management account or a member account that is a delegated administrator.

You can enable a policy type in a root only if that policy type is available in the organization. To view the status of available policy types in the organization, use ListRoots.

Request Syntax

```
{
   "PolicyType": "string",
   "RootId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

PolicyType

The policy type that you want to enable. You can specify one of the following values:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY

- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

RootId

ID for the root in which you want to enable a policy type. You can get the ID from the ListRoots operation.

The regex pattern for a root ID string requires "r-" followed by from 4 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^r-[0-9a-z]{4,32}$`

Required: Yes

Response Syntax

```
{
   "Root": {
      "Arn": "string",
      "Id": "string",
```

```
      "Name": "string",
      "PolicyTypes": [
         {
            "Status": "string",
            "Type": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Root

A structure that shows the root with the updated list of enabled policy types.

Type: Root object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can't add, edit, or delete system tag keys because they're reserved for AWS use. System tags don't count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyChangesInProgressException

Changes to the effective policy are in progress, and its contents can't be returned. Try the operation again later.

HTTP Status Code: 400

PolicyTypeAlreadyEnabledException

The specified policy type is already enabled in the specified root.

HTTP Status Code: 400

PolicyTypeNotAvailableForOrganizationException

You can't use the specified policy type with the feature set currently enabled for this organization. For example, you can enable SCPs only after you enable all features in the organization. For more information, see Managing AWS Organizations policiesin the *AWS Organizations User Guide*.

HTTP Status Code: 400

RootNotFoundException

We can't find a root with the `RootId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

The following example shows how to enable the tag policy type in a root. The output shows a root object with a `policyTypes` response element showing that tag policiess are now enabled.

Example

This example illustrates one usage of EnablePolicyType.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.EnablePolicyType

{ "RootId": "r-examplerootid111", "PolicyType": "TAG_POLICY" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Root": {
    "PolicyTypes": [
      {
        "Status":"ENABLED",
        "Type":"TAG_POLICY"
      }
    ],
    "Id": "r-examplerootid111",
    "Name": "Root",
    "Arn": "arn:aws:organizations::111111111111:root/o-exampleorgid/r-examplerootid111"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

InviteAccountToOrganization

Sends an invitation to another account to join your organization as a member account. AWS Organizations sends email on your behalf to the email address that is associated with the other account's owner. The invitation is implemented as a Handshake whose details are in the response.

> **Important**
>
> If you receive an exception that indicates that you exceeded your account limits for the organization or that the operation failed because your organization is still initializing, wait one hour and then try again. If the error persists after an hour, contact AWS Support.

If the request includes tags, then the requester must have the `organizations:TagResource` permission.

You can only call this operation from the management account.

Request Syntax

```
{
   "Notes": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Target": {
      "Id": "string",
      "Type": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Notes

Additional information that you want to include in the generated email to the recipient account owner.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\S]*`

Required: No

Tags

A list of tags that you want to attach to the account when it becomes a member of the organization. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Important**
>
> Any tags in the request are checked for compliance with any applicable tag policies when the request is made. The request is rejected if the tags in the request don't match the requirements of the policy at that time. Tag policy compliance is ***not*** checked again when the invitation is accepted and the tags are actually attached to the account. That means that if the tag policy changes between the invitation and the acceptance, then that tags could potentially be non-compliant.

> **Note**
>
> If any one of the tags is not valid or if you exceed the allowed number of tags for an account, then the entire request fails and invitations are not sent.

Type: Array of Tag objects

Required: No

Target

The identifier (ID) of the AWS account that you want to invite to join your organization. This is a JSON object that contains the following elements:

`{ "Type": "ACCOUNT", "Id": "< account id number >" }`

If you use the AWS CLI, you can submit this as a single string, similar to the following example:

`--target Id=123456789012,Type=ACCOUNT`

If you specify `"Type": "ACCOUNT"`, you must provide the AWS account ID number as the `Id`. If you specify `"Type": "EMAIL"`, you must specify the email address that is associated with the account.

`--target Id=diego@example.com,Type=EMAIL`

Type: HandshakeParty object

Required: Yes

Response Syntax

```
{
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
```

```
            }
        ],
        "State": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

A structure that contains details about the handshake that is created to support this invitation request.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountOwnerNotVerifiedException

You can't invite an existing account to your organization until you verify that you own the email address associated with the management account. For more information, see Email address verification in the *AWS Organizations User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicateHandshakeException

A handshake with the same action and target already exists. For example, if you invited an account to join your organization, the invited account might already have a pending invitation from this organization. If you intend to resend an invitation to an account, ensure that existing handshakes that might be considered duplicates are canceled or declined.

HTTP Status Code: 400

FinalizingOrganizationException

AWS Organizations couldn't perform the operation because your organization hasn't finished initializing. This can take up to an hour. Try again later. If after one hour you continue to receive this error, contact AWS Support.

HTTP Status Code: 400

HandshakeConstraintViolationException

The requested operation would violate the constraint identified in the reason code.

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation:

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. Note that deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception immediately after creating the organization, wait one hour and try again. If after an hour it continues to fail with this error, contact AWS Support.

- ALREADY_IN_AN_ORGANIZATION: The handshake request is invalid because the invited account is already a member of an organization.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVITE_DISABLED_DURING_ENABLE_ALL_FEATURES: You can't issue new invitations to join an organization while it's in the process of enabling all features. You can resume inviting accounts after you finalize the process when all accounts have agreed to the change.
- LEGACY_PERMISSIONS_STILL_IN_USE: Your organization must migrate to use the new IAM fine-grained actions for billing, cost management, and accounts.
- ORGANIZATION_ALREADY_HAS_ALL_FEATURES: The handshake request is invalid because the organization has already enabled all features.

- ORGANIZATION_FROM_DIFFERENT_SELLER_OF_RECORD: You can only join an organization that operates in the same AWS partition as your account.
- ORGANIZATION_IS_ALREADY_PENDING_ALL_FEATURES_MIGRATION: The handshake request is invalid because the organization has already started the process to enable all features.
- ORGANIZATION_MEMBERSHIP_CHANGE_RATE_LIMIT_EXCEEDED: You attempted to change the membership of an account too quickly after its previous change.
- PAST_DUE_INVOICE: Your organization has an invoice that is past due.
- PAYMENT_INSTRUMENT_REQUIRED: You can't complete the operation with an account that doesn't have a payment instrument, such as a credit card, associated with it.
- RESPONSIBILITY_TRANSFER_ALREADY_EXISTS: You cannot perform this operation with the current transfer.
- SOURCE_AND_TARGET_CANNOT_MATCH: An account can't accept a transfer invitation if it is both the sender and recipient of the invitation.
- TARGET_ACCOUNT_VALIDATION_FAILURE: Billing transfer is not available for your account. Contact your billing administrator or AWS Support for assistance.
- UNUSED_PREPAYMENT_BALANCE: Your organization has an outstanding pre-payment balance.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).

- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.

- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows the management account owned by diego@example.com inviting the account owned by juan@example.com to join an organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.InviteAccountToOrganization

{ "Notes": "This is a request for Juan's account to join Diego's organization",
 "Target": {"Type": "EMAIL", "Id": "juan@example.com"} }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Handshake": {
    "Action": "INVITE",
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
    "ExpirationTimestamp": 1482952459.257,
    "Id": "h-examplehandshakeid111",
    "Parties": [
      {
        "Id": "o-exampleorgid",
        "Type": "ORGANIZATION"
      },
      {
        "Id": "juan@example.com",
        "Type": "EMAIL"
      }
    ],
    "RequestedTimestamp": 1481656459.257,
    "Resources": [
      {
        "Resources": [
```

```
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
          },
          {
            "Type": "MASTER_NAME",
            "Value": "Org management account"
          },
          {
            "Type": "ORGANIZATION_FEATURE_SET",
            "Value": "FULL"
          }
        ],
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid"
      },
      {
        "Type": "EMAIL",
        "Value": "juan@example.com"
      }
    ],
    "State": "OPEN"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)

- AWS SDK for Ruby V3

InviteOrganizationToTransferResponsibility

Sends an invitation to another organization's management account to designate your account with the specified responsibilities for their organization. The invitation is implemented as a Handshake whose details are in the response.

You can only call this operation from the management account.

Request Syntax

```
{
   "Notes": "string",
   "SourceName": "string",
   "StartTimestamp": number,
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Target": {
      "Id": "string",
      "Type": "string"
   },
   "Type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Notes

Additional information that you want to include in the invitation.

Type: String

Length Constraints: Maximum length of 1024.

Pattern: `[\s\S]*`

Required: No

SourceName

Name you want to assign to the transfer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[ -~]+$`

Required: Yes

StartTimestamp

Timestamp when the recipient will begin managing the specified responsibilities.

Type: Timestamp

Required: Yes

Tags

A list of tags that you want to attach to the transfer. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Important**
>
> Any tags in the request are checked for compliance with any applicable tag policies when the request is made. The request is rejected if the tags in the request don't match the requirements of the policy at that time. Tag policy compliance is ***not*** checked again when the invitation is accepted and the tags are actually attached to the transfer. That means that if the tag policy changes between the invitation and the acceptance, then that tags could potentially be non-compliant.

> **Note**
>
> If any one of the tags is not valid or if you exceed the allowed number of tags for a transfer, then the entire request fails and invitations are not sent.

Type: Array of Tag objects

Required: No

Target

A HandshakeParty object. Contains details for the account you want to invite. Currently, only ACCOUNT and EMAIL are supported.

Type: HandshakeParty object

Required: Yes

Type

The type of responsibility you want to designate to your organization. Currently, only BILLING is supported.

Type: String

Valid Values: BILLING

Required: Yes

Response Syntax

```
{
   "Handshake": {
      "Action": "string",
      "Arn": "string",
      "ExpirationTimestamp": number,
      "Id": "string",
      "Parties": [
         {
            "Id": "string",
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
```

```
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshake

Contains details for a handshake. A handshake is the secure exchange of information between two AWS accounts: a sender and a recipient.

Note: Handshakes that are CANCELED, ACCEPTED, DECLINED, or EXPIRED show up in lists for only 30 days after entering that state After that they are deleted.

Type: Handshake object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicateHandshakeException

A handshake with the same action and target already exists. For example, if you invited an account to join your organization, the invited account might already have a pending invitation from this organization. If you intend to resend an invitation to an account, ensure that existing handshakes that might be considered duplicates are canceled or declined.

HTTP Status Code: 400

HandshakeConstraintViolationException

The requested operation would violate the constraint identified in the reason code.

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation:

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. Note that deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception immediately after creating the organization, wait one hour and try again. If after an hour it continues to fail with this error, contact AWS Support.

- ALREADY_IN_AN_ORGANIZATION: The handshake request is invalid because the invited account is already a member of an organization.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVITE_DISABLED_DURING_ENABLE_ALL_FEATURES: You can't issue new invitations to join an organization while it's in the process of enabling all features. You can resume inviting accounts after you finalize the process when all accounts have agreed to the change.
- LEGACY_PERMISSIONS_STILL_IN_USE: Your organization must migrate to use the new IAM fine-grained actions for billing, cost management, and accounts.
- ORGANIZATION_ALREADY_HAS_ALL_FEATURES: The handshake request is invalid because the organization has already enabled all features.
- ORGANIZATION_FROM_DIFFERENT_SELLER_OF_RECORD: You can only join an organization that operates in the same AWS partition as your account.
- ORGANIZATION_IS_ALREADY_PENDING_ALL_FEATURES_MIGRATION: The handshake request is invalid because the organization has already started the process to enable all features.
- ORGANIZATION_MEMBERSHIP_CHANGE_RATE_LIMIT_EXCEEDED: You attempted to change the membership of an account too quickly after its previous change.

- PAST_DUE_INVOICE: Your organization has an invoice that is past due.
- PAYMENT_INSTRUMENT_REQUIRED: You can't complete the operation with an account that doesn't have a payment instrument, such as a credit card, associated with it.
- RESPONSIBILITY_TRANSFER_ALREADY_EXISTS: You cannot perform this operation with the current transfer.
- SOURCE_AND_TARGET_CANNOT_MATCH: An account can't accept a transfer invitation if it is both the sender and recipient of the invitation.
- TARGET_ACCOUNT_VALIDATION_FAILURE: Billing transfer is not available for your account. Contact your billing administrator or AWS Support for assistance.
- UNUSED_PREPAYMENT_BALANCE: Your organization has an outstanding pre-payment balance.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.

- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.

- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows the management account owned by diego@example.com inviting the management account owned by juan@example.com to transfer responsibility.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.InviteOrganizationToTransferResponsibility

{ "Notes": "transfer notes", "SourceName": "transfer name", "StartTimestamp":
 "1767225600", "Target": {"Type": "EMAIL", "Id": "juan@example.com"}, "Type":
 "BILLING"}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Handshake": {
    "Action": "TRANSFER_RESPONSIBILITY",
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/
transfer_responsibility/h-examplehandshakeid111",
    "ExpirationTimestamp": "1767139200000",
    "Id": "h-examplehandshakeid111",
    "Parties": [
      {
        "Id": "o-exampleorgid",
        "Type": "ORGANIZATION"
      },
      {
        "Id": "juan@example.com",
        "Type": "EMAIL"
      }
    ],
    "RequestedTimestamp": "1763507300000",
    "Resources": [
      {
        "Resources": [
          {
            "Type": "TRANSFER_START_TIMESTAMP",
```

```
            "Value": "1767225600"
          },
          {
            "Type": "TRANSFER_TYPE",
            "Value": "BILLING"
          }
        ],
        "Type": "RESPONSIBILITY_TRANSFER",
        "Value": "rt-exampletransferid111"
      },
      {
        "Resources": [
          {
            "Type": "MANAGEMENT_EMAIL",
            "Value": "diego@example.com"
          },
          {
            "Type": "MANAGEMENT_NAME",
            "Value": "Org management account"
          },
          {
            "Type": "MANAGEMENT_ACCOUNT",
            "Value": "333333333333"
          }
        ],
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid"
      },
      {
        "Type": "EMAIL",
        "Value": "juan@example.com"
      }
    ],
    "State": "REQUESTED"
  }
}
```


See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

LeaveOrganization

Removes a member account from its parent organization. This version of the operation is performed by the account that wants to leave. To remove a member account as a user in the management account, use RemoveAccountFromOrganization instead.

You can only call from operation from a member account.

When an account leaves an organization, Organizations logs a membership event in CloudTrail. The event is an `AccountDepartedOrganization` event with `departureMethod:LEFT` and `departureTime`. This event is available only in the management account's event history.

Important

- The management account in an organization with all features enabled can set service control policies (SCPs) that can restrict what administrators of member accounts can do. This includes preventing them from successfully calling `LeaveOrganization` and leaving the organization.
- You can leave an organization as a member account only if the account is configured with the information required to operate as a standalone account. When you create an account in an organization using the AWS Organizations console, API, or CLI commands, the information required of standalone accounts is *not* automatically collected. For each account that you want to make standalone, you must perform the following steps. If any of the steps are already completed for this account, that step doesn't appear.
  - Choose a support plan
  - Provide and verify the required contact information
  - Provide a current payment method

  AWS uses the payment method to charge for any billable (not free tier) AWS activity that occurs while the account isn't attached to an organization. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- The account that you want to leave must not be a delegated administrator account for any AWS service enabled for your organization. If the account is a delegated administrator, you must first change the delegated administrator account to another account that is remaining in the organization.

- After the account leaves the organization, all tags that were attached to the account object in the organization are deleted. AWS accounts outside of an organization do not support tags.
- A newly created account has a waiting period before it can be removed from its organization. You must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.
- If you are using an organization principal to call `LeaveOrganization` across multiple accounts, you can only do this up to 5 accounts per second in a single organization.

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

MasterCannotLeaveOrganizationException

You can't remove a management account from an organization. If you want the management account to become a member account in another organization, you must first delete the current organization of the management account.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to remove your member account from an organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.LeaveOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListAccounts

Lists all the accounts in the organization. To request only the accounts in a specified root or organizational unit (OU), use the ListAccountsForParent operation instead.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "Accounts": [
      {
         "Arn": "string",
         "Email": "string",
         "Id": "string",
         "JoinedMethod": "string",
         "JoinedTimestamp": number,
         "Name": "string",
         "Paths": [ "string" ],
         "State": "string",
         "Status": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Accounts

A list of objects in the organization.

> **Important**
>
> The `Status` parameter in the API response will be retired on September 9, 2026. Although both the account `State` and account `Status` parameters are currently available in the AWS Organizations APIs (`DescribeAccount`, `ListAccounts`, `ListAccountsForParent`), we recommend that you update your scripts or other code to use the `State` parameter instead of `Status` before September 9, 2026.

Type: Array of Account objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.

- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).

- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request a list of all the accounts in an organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListAccounts

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Accounts": [
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/111111111111",
      "JoinedMethod": "INVITED",
      "JoinedTimestamp": 1481830215.45,
      "Id": "111111111111",
      "Name": "Management account",
      "Email": "diego@example.com",
      "State": "ACTIVE",
      "Status": "ACTIVE",
      "Paths": [
        "o-exampleorgid/r-examplerootid111/111111111111/"
      ]
    },
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/222222222222",
      "JoinedMethod": "INVITED",
      "JoinedTimestamp": 1481835741.044,
      "Id": "222222222222",
      "Name": "Production Account",
      "Email": "alice@example.com",
      "State": "ACTIVE",
      "Status": "ACTIVE",
      "Paths": [
        "o-exampleorgid/r-examplerootid111/222222222222/"
      ]
    },
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/333333333333",
      "JoinedMethod": "INVITED",
      "JoinedTimestamp": 1481835795.536,
      "Id": "333333333333",
      "Name": "Development Account",
      "Email": "juan@example.com",
      "State": "ACTIVE",
      "Status": "ACTIVE",
      "Paths": [
        "o-exampleorgid/r-examplerootid111/333333333333/"
      ]
```

```
    },
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/444444444444",
      "JoinedMethod": "INVITED",
      "JoinedTimestamp": 1481835812.143,
      "Id": "444444444444",
      "Name": "Test Account",
      "Email": "anika@example.com",
      "State": "ACTIVE",
      "Status": "ACTIVE",
      "Paths": [
        "o-exampleorgid/r-examplerootid111/444444444444/"
      ]
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListAccountsForParent

Lists the accounts in an organization that are contained by the specified target root or organizational unit (OU). If you specify the root, you get a list of all the accounts that aren't in any OU. If you specify an OU, you get a list of all the accounts in only that OU and not in any child OUs. To get a list of all accounts in the organization, use the ListAccounts operation.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "ParentId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

ParentId

The unique identifier (ID) for the parent root or organization unit (OU) whose accounts you want to list.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Syntax

```
{
   "Accounts": [
      {
         "Arn": "string",
         "Email": "string",
         "Id": "string",
         "JoinedMethod": "string",
         "JoinedTimestamp": number,
         "Name": "string",
```

```
            "Paths": [ "string" ],
            "State": "string",
            "Status": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Accounts

A list of the accounts in the specified root or OU.

> **Important**
>
> The `Status` parameter in the API response will be retired on September 9, 2026. Although both the account `State` and account `Status` parameters are currently available in the AWS Organizations APIs (`DescribeAccount`, `ListAccounts`, `ListAccountsForParent`), we recommend that you update your scripts or other code to use the `State` parameter instead of `Status` before September 9, 2026.

Type: Array of Account objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.

- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.

- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ParentNotFoundException

We can't find a root or OU with the `ParentId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request a list of the accounts in an OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListAccountsForParent

{ "ParentId": "ou-examplerootid111-exampleouid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "Accounts": [
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/333333333333",
      "JoinedMethod": "INVITED",
      "JoinedTimestamp": 1481835795.536,
      "Id": "333333333333",
      "Name": "Development Account",
      "Email": "juan@example.com",
      "State": "ACTIVE",
      "Status": "ACTIVE",
      "Paths": [
        "o-exampleorgid/r-examplerootid111/ou-examplerootid111-
exampleouid111/333333333333/"
      ]
    },
    {
       "Arn": "arn:aws:organizations::111111111111:account/o-
exampleorgid/444444444444",
       "JoinedMethod": "INVITED",
       "JoinedTimestamp": 1481835812.143,
       "Id": "444444444444",
       "Name": "Test Account",
```

```
        "Email": "anika@example.com",
        "State": "ACTIVE",
        "Status": "ACTIVE",
        "Paths": [
          "o-exampleorgid/r-examplerootid111/ou-examplerootid111-
exampleouid111/444444444444/"
        ]
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListAccountsWithInvalidEffectivePolicy

Lists all the accounts in an organization that have invalid effective policies. An *invalid effective policy* is an effective policy that fails validation checks, resulting in the effective policy not being fully enforced on all the intended accounts within an organization.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "PolicyType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

PolicyType

The type of policy that you want information about. You can specify one of the following values:

- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

Response Syntax

```
{
   "Accounts": [
```

```
      {
         "Arn": "string",
         "Email": "string",
         "Id": "string",
         "JoinedMethod": "string",
         "JoinedTimestamp": number,
         "Name": "string",
         "Paths": [ "string" ],
         "State": "string",
         "Status": "string"
      }
   ],
   "NextToken": "string",
   "PolicyType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Accounts

The accounts in the organization which have an invalid effective policy for the specified policy type.

Type: Array of Account objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

PolicyType

The specified policy type. One of the following values:

- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

EffectivePolicyNotFoundException

If you ran this action on the management account, this policy type is not enabled. If you ran the action on a member account, the account doesn't have an effective policy of this type. Contact the administrator of your organization about attaching a policy of this type to the account.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows you how to request a list of the accounts in an organization having invalid effective policy for a policy type:

Sample Request

```
POST / HTTP/1.1
                    X-Amz-Target:
 AWSOrganizationsV20161128.ListAccountsWithInvalidEffectivePolicy

                    {
                        "PolicyType": "BACKUP_POLICY"
                    }
```

Sample Response

```
HTTP/1.1 200 OK
                    Content-Type: application/json

                    {
                        "Accounts": [
                            {
                                "Id": "111111111111",
                                "Name": "Management Account",
                                "Email": "bill@example.com"
                            },
                            {
                                "Id": "222222222222",
                                "Name": "Developer Account",
                                "Email": "alice@example.com"
                            },
                            {
                                "Id": "333333333333",
                                "Name": "Test Account",
                                "Email": "juan@example.com"
                            },
                            {
                                "Id": "444444444444",
                                "Name": "Production Account",
                                "Email": "anika@example.com"
                            }
                        ]
                    }
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListAWSServiceAccessForOrganization

Returns a list of the AWS services that you enabled to integrate with your organization. After a service on this list creates the resources that it requires for the integration, it can perform operations on your organization and its accounts.

For more information about integrating other services with AWS Organizations, including the list of services that currently work with Organizations, see Using AWS Organizations with other AWS services in the *AWS Organizations User Guide*.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this

parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "EnabledServicePrincipals": [
      {
         "DateEnabled": number,
         "ServicePrincipal": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

EnabledServicePrincipals

A list of the service principals for the services that are enabled to integrate with your organization. Each principal is a structure that includes the name and the date that it was enabled for integration with AWS Organizations.

Type: Array of EnabledServicePrincipal objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the

next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  Note

  Deleted and closed accounts still count toward your limit.

  Important

  If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.

- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.

- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.

- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.

- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.

- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get the list of services for which integration with AWS Organizations is enabled.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListAWSServiceAccessForOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{"ServiceList":["awsservice1.amazonaws.com","awsservice2.amazonaws.com"]}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChildren

Lists all of the organizational units (OUs) or accounts that are contained in the specified parent OU or root. This operation, along with ListParents enables you to traverse the tree structure that makes up this root.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "ChildType": "string",
   "MaxResults": number,
   "NextToken": "string",
   "ParentId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChildType

Filters the output to include only the specified child type.

Type: String

Valid Values: `ACCOUNT | ORGANIZATIONAL_UNIT`

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

ParentId

The unique identifier (ID) for the parent root or OU whose children you want to list.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Syntax

```
{
   "Children": [
      {
         "Id": "string",
         "Type": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Children

The list of children of the specified parent container.

Type: Array of Child objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.

- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.

- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ParentNotFoundException

We can't find a root or OU with the `ParentId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to request a list of all of the child OUs in a parent root or OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListChildren

{
  "ChildType": "ORGANIZATIONAL_UNIT",
  "ParentId": "ou-examplerootid111-exampleouid111"
}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json


{
  "Children": [
    {
      "Id": "ou-examplerootid111-exampleouid111",
      "Type":"ORGANIZATIONAL_UNIT"
    },
    {
      "Id":"ou-examplerootid111-exampleouid222",
      "Type":"ORGANIZATIONAL_UNIT"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListCreateAccountStatus

Lists the account creation requests that match the specified status that is currently being tracked for the organization.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "States": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

States

A list of one or more states that you want included in the response. If this parameter isn't present, all requests are included in the response.

Type: Array of strings

Valid Values: `IN_PROGRESS | SUCCEEDED | FAILED`

Required: No

Response Syntax

```
{
   "CreateAccountStatuses": [
      {
         "AccountId": "string",
         "AccountName": "string",
         "CompletedTimestamp": number,
         "FailureReason": "string",
         "GovCloudAccountId": "string",
         "Id": "string",
         "RequestedTimestamp": number,
         "State": "string"
      }
```

```
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CreateAccountStatuses

A list of objects with details about the requests. Certain elements, such as the accountId number, are present in the output only after the account has been successfully created.

Type: Array of CreateAccountStatus objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.

- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).

- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to request a list of account creation requests for an organization that have completed successfully.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListCreateAccountStatus

{ "States": "SUCCEEDED" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "CreateAccountStatuses": [
    {
      "AccountId": "444444444444",
      "AccountName": "Developer Test Account",
      "CompletedTimeStamp": 1481835812.143,
      "Id": "car-examplecreateaccountrequestid111",
      "RequestedTimeStamp": 1481829432.531,
      "State": "SUCCEEDED"
    }
  ]
}
```

Example

The following example gets a list of in-progress account creation requests for an organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListCreateAccountStatus

{ "States": "IN_PROGRESS" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
  "CreateAccountStatuses": [
    {
      "State": "IN_PROGRESS",
      "Id": "car-examplecreateaccountrequestid111",
      "RequestedTimeStamp": 1481829432.531,
      "AccountName": "Production Account"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListDelegatedAdministrators

Lists the AWS accounts that are designated as delegated administrators in this organization.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "ServicePrincipal": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

ServicePrincipal

Specifies a service principal name. If specified, then the operation lists the delegated administrators only for the specified service.

If you don't specify a service principal, the operation lists all delegated administrators for all services in your organization.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+=,.@-]*`

Required: No

Response Syntax

```
{
   "DelegatedAdministrators": [
      {
         "Arn": "string",
         "DelegationEnabledDate": number,
         "Email": "string",
         "Id": "string",
         "JoinedMethod": "string",
         "JoinedTimestamp": number,
         "Name": "string",
         "State": "string",
         "Status": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DelegatedAdministrators

The list of delegated administrators in your organization.

Type: Array of DelegatedAdministrator objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or

creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.

- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.

- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:

  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.

- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.

- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can't add, edit, or delete system tag keys because they're reserved for AWS use. System tags don't count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListDelegatedAdministrators.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListDelegatedAdministrators

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
    "DelegatedAdministrators": [
        {
            "Id": "111111111111",
            "Arn": "arn:aws:organizations::222222222222:account/o-
exampleorgid/111111111111",
            "Email": "anika@example.com",
            "Name": "test1",
            "State": "ACTIVE",
            "Status": "ACTIVE",
            "JoinedMethod": "CREATED",
            "JoinedTimestamp": 1470684478.687,
            "DelegationEnabledDate": 1470684478.687
        },
```

```
        {
            "Id": "333333333333",
            "Arn": "arn:aws:organizations::444444444444:account/o-
exampleorgid/333333333333",
            "Email": "anika@example.com",
            "Name": "test2",
            "State": "ACTIVE",
            "Status": "ACTIVE",
            "JoinedMethod": "INVITED",
            "JoinedTimestamp": 1470684478.687,
            "DelegationEnabledDate": 1470684478.687
        }
    ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListDelegatedServicesForAccount

List the AWS services for which the specified account is a delegated administrator.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "AccountId": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The account ID number of a delegated administrator account in the organization.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "DelegatedServices": [
      {
         "DelegationEnabledDate": number,
         "ServicePrincipal": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DelegatedServices

The services for which the account is a delegated administrator.

Type: Array of DelegatedService objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AccountNotRegisteredException

The specified account is not a delegated administrator for this AWS service.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of ListDelegatedServicesForAccount.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListDelegatedServicesForAccount

{ "AccountId": "111111111111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
    "DelegatedServices": [
        {
            "ServicePrincipal": "example.amazonaws.com",
            "DelegationEnabledDate": 1470684478.687
        }
    ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListEffectivePolicyValidationErrors

Lists all the validation errors on an effective policy for a specified account and policy type.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "AccountId": "string",
   "MaxResults": number,
   "NextToken": "string",
   "PolicyType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The ID of the account that you want details about. Specifying an organization root or organizational unit (OU) as the target is not supported.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

PolicyType

The type of policy that you want information about. You can specify one of the following values:

- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY

Required: Yes

Response Syntax

```
{
   "AccountId": "string",
   "EffectivePolicyValidationErrors": [
      {
         "ContributingPolicies": [ "string" ],
         "ErrorCode": "string",
         "ErrorMessage": "string",
         "PathToError": "string"
      }
   ],
   "EvaluationTimestamp": number,
   "NextToken": "string",
   "Path": "string",
   "PolicyType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AccountId

The ID of the specified account.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

EffectivePolicyValidationErrors

The `EffectivePolicyValidationError` object contains details about the validation errors that occurred when generating or enforcing an effective policy, such as which policies contributed to the error and location of the error.

Type: Array of EffectivePolicyValidationError objects

EvaluationTimestamp

The time when the latest effective policy was generated for the specified account.

Type: Timestamp

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Path

The path in the organization where the specified account exists.

Type: String

Pattern: `^(o-[a-z0-9]{10,32}\/r-[0-9a-z]{4,32}(\/ou\-[0-9a-z]{4,32}-[a-z0-9]{8,32})*(\/\d{12})*)\/`

PolicyType

The specified policy type. One of the following values:

- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY

- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

EffectivePolicyNotFoundException

If you ran this action on the management account, this policy type is not enabled. If you ran the action on a member account, the account doesn't have an effective policy of this type. Contact the administrator of your organization about attaching a policy of this type to the account.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows you how to request a list of effective policy validation errors for an account and policy type:

Sample Request

```
POST / HTTP/1.1
                    X-Amz-Target:
 AWSOrganizationsV20161128.ListEffectivePolicyValidationErrors

                    {
                        "AccountId": "111111111111",
                        "PolicyType": "BACKUP_POLICY"
                    }
```

Sample Response

```
HTTP/1.1 200 OK
                    Content-Type: application/json

                    {
                        "AccountId": "111111111111",
                        "PolicyType": "BACKUP_POLICY",
                        "Path": "o-exampleorgid/r-examplerootid111/111111111111/",
                        "EvaluationTimestamp": "2024-03-04T19:39:38.376000+00:00",
                        "EffectivePolicyValidationErrors": [
                            {
                                "ErrorCode": "ELEMENTS_TOO_FEW",
                                "ErrorMessage": "tag_value is less than the allowed
 minimum limit 1",
                                "PathToError": "plans/backup_daily/selections/tags/
dailydatatype/tag_value",
                                "ContributingPolicies": ["p-examplepolicyid111"]
                            },
                            {
                                "ErrorCode": "ELEMENTS_TOO_MANY",
                                "ErrorMessage": "rules exceeds the allowed maximum
 limit 10",
                                "PathToError": "plans/backup_daily/rules",
                                "ContributingPolicies": ["p-examplepolicyid111", "p-
examplepolicyid222"]
                            }
                        ]
                    }
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListHandshakesForAccount

Lists the recent handshakes that you have received.

You can view CANCELED, ACCEPTED, DECLINED, or EXPIRED handshakes in API responses for 30 days before they are deleted.

You can call this operation from any account in a organization.

> **Note**
>
> When calling List* operations, always check the NextToken response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until NextToken returns null. A null NextToken value indicates that you have retrieved all available results.

Request Syntax

```
{
   "Filter": {
      "ActionType": "string",
      "ParentHandshakeId": "string"
   },
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filter

A HandshakeFilter object. Contains the filer used to select the handshakes for an operation.

Type: HandshakeFilter object

Required: No

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "Handshakes": [
      {
         "Action": "string",
         "Arn": "string",
         "ExpirationTimestamp": number,
         "Id": "string",
         "Parties": [
            {
               "Id": "string",
               "Type": "string"
```

```
            }
         ],
         "RequestedTimestamp": number,
         "Resources": [
            {
               "Resources": [
                  "HandshakeResource"
               ],
               "Type": "string",
               "Value": "string"
            }
         ],
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshakes

An array of Handshakeobjects. Contains details for a handshake.

Type: Array of Handshake objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.

- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.

- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of all handshakes that are associated with the account of the credentials that were used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListHandshakesForAccount

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Handshake": {
    "Action": "INVITE",
    "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
    "ExpirationTimestamp": 1482952459.257,
    "Id": "h-examplehandshakeid111",
    "Parties": [
      {
        "Id": "o-exampleorgid",
        "Type": "ORGANIZATION"
      },
      {
        "Id": "juan@example.com",
        "Type": "EMAIL"
      }
    ],
    "RequestedTimestamp": 1481656459.257,
    "Resources": [
      {
        "Resources": [
          {
            "Type": "MASTER_EMAIL",
            "Value": "diego@example.com"
```

```
          },
          {
            "Type": "MASTER_NAME",
            "Value": "Org management account"
          },
          {
            "Type": "ORGANIZATION_FEATURE_SET",
            "Value": "FULL"
          }
        ],
        "Type": "ORGANIZATION",
        "Value": "o-exampleorgid"
      },
      {
        "Type": "EMAIL",
        "Value": "juan@example.com"
      }
    ],
    "State": "OPEN"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListHandshakesForOrganization

Lists the recent handshakes that you have sent.

You can view CANCELED, ACCEPTED, DECLINED, or EXPIRED handshakes in API responses for 30 days before they are deleted.

You can only call this operation from the management account or a member account that is a delegated administrator.

> **Note**
>
> When calling List* operations, always check the NextToken response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until NextToken returns null. A null NextToken value indicates that you have retrieved all available results.

Request Syntax

```
{
   "Filter": {
      "ActionType": "string",
      "ParentHandshakeId": "string"
   },
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filter

A HandshakeFilter object. Contains the filer used to select the handshakes for an operation.

Type: HandshakeFilter object

Required: No

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "Handshakes": [
      {
         "Action": "string",
         "Arn": "string",
         "ExpirationTimestamp": number,
         "Id": "string",
         "Parties": [
            {
               "Id": "string",
```

```
            "Type": "string"
         }
      ],
      "RequestedTimestamp": number,
      "Resources": [
         {
            "Resources": [
               "HandshakeResource"
            ],
            "Type": "string",
            "Value": "string"
         }
      ],
      "State": "string"
   }
],
"NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Handshakes

An array of Handshakeobjects. Contains details for a handshake.

Type: Array of Handshake objects

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the NextToken request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the NextToken response element comes back as null.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.

- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.

- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of handshakes that are associated with the current organization. The example response shows two handshakes. The first one is an invitation to Juan's account and shows a state of OPEN. The second is an invitation to Anika's account and shows a state of ACCEPTED.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListHandshakesForOrganization

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Handshakes": [
    {
      "Action": "INVITE",
      "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
      "ExpirationTimestamp": 1482952459.257,
      "Id": "h-examplehandshakeid111",
      "Parties": [
        {
          "Id": "o-exampleorgid",
          "Type": "ORGANIZATION"
        },
        {
          "Id": "juan@example.com",
          "Type": "EMAIL"
        }
      ],
      "RequestedTimestamp": 1481656459.257,
      "Resources": [
        {
```

```
          "Resources": [
            {
              "Type": "MASTER_EMAIL",
              "Value": "diego@example.com"
            },
            {
              "Type": "MASTER_NAME",
              "Value": "Org Management account"
            },
            {
              "Type": "ORGANIZATION_FEATURE_SET",
              "Value": "FULL"
            }
          ],
          "Type": "ORGANIZATION",
          "Value": "o-exampleorgid"
        },
        {
          "Type": "EMAIL",
          "Value": "juan@example.com"
        },
        {
          "Type":"NOTES",
          "Value":"This is an invitation to Juan's account to join Diego's
 organization."
        }
      ],
      "State": "OPEN"
    },
    {
      "Action": "INVITE",
      "State":"ACCEPTED",
      "Arn": "arn:aws:organizations::111111111111:handshake/o-exampleorgid/invite/h-
examplehandshakeid111",
      "ExpirationTimestamp": 1.471797437427E9,
      "Id": "h-examplehandshakeid222",
      "Parties": [
        {
          "Id": "o-exampleorgid",
          "Type": "ORGANIZATION"
        },
        {
          "Id": "anika@example.com",
          "Type": "EMAIL"
```

```
        }
      ],
      "RequestedTimestamp": 1.469205437427E9,
      "Resources": [
        {
          "Resources": [
            {
              "Type":"MASTER_EMAIL",
              "Value":"diego@example.com"
            },
            {
              "Type":"MASTER_NAME",
              "Value":"Management account"
            }
          ],
          "Type":"ORGANIZATION",
          "Value":"o-exampleorgid"
        },
        {
          "Type":"EMAIL",
          "Value":"anika@example.com"
        },
        {
          "Type":"NOTES",
          "Value":"This is an invitation to Anika's account to join Diego's
 organization."
        }
      ]
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListInboundResponsibilityTransfers

Lists transfers that allow you to manage the specified responsibilities for another organization. This operation returns both transfer invitations and transfers.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

Request Syntax

```
{
   "Id": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Id

ID for the transfer.

Type: String

Pattern: `^rt-[0-9a-z]{8,32}$`

Required: No

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Type

The type of responsibility. Currently, only `BILLING` is supported.

Type: String

Valid Values: `BILLING`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "ResponsibilityTransfers": [
```

```
      {
         "ActiveHandshakeId": "string",
         "Arn": "string",
         "EndTimestamp": number,
         "Id": "string",
         "Name": "string",
         "Source": {
            "ManagementAccountEmail": "string",
            "ManagementAccountId": "string"
         },
         "StartTimestamp": number,
         "Status": "string",
         "Target": {
            "ManagementAccountEmail": "string",
            "ManagementAccountId": "string"
         },
         "Type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

ResponsibilityTransfers

A `ResponsibilityTransfers` object. Contains details for a transfer.

Type: Array of ResponsibilityTransfer objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a

standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the

marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.

- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.

- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.

- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.

- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ResponsibilityTransferNotFoundException

We can't find a transfer that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of all inbound responsibility transfers that are associated with the account of the credentials that were used to call the operation

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListInboundResponsibilityTransfers

{ "Type": "BILLING" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "ResponsibilityTransfers": [
    {
      "Arn": "arn:aws:organizations::222222222222:transfer/o-exampleorgid/billing/
inbound/rt-exampletransferid222",
      "EndTimestamp": "1769903999000",
      "Id": "rt-exampletransferid222",
      "Name": "transfer name",
      "Source": {
        "ManagementAccountId": "222222222222"
      },
      "StartTimestamp": "1767225600000",
      "Status": "WITHDRAWN",
      "Target": {
        "ManagementAccountId": "333333333333"
      },
      "Type": "BILLING"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListOrganizationalUnitsForParent

Lists the organizational units (OUs) in a parent organizational unit or root.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "ParentId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

ParentId

ID for the root or OU whose child OUs you want to list.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "OrganizationalUnits": [
      {
```

```
            "Arn": "string",
            "Id": "string",
            "Name": "string",
            "Path": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

OrganizationalUnits

A list of the OUs in the specified root or parent OU.

Type: Array of OrganizationalUnit objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.

- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.

- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ParentNotFoundException

We can't find a root or OU with the `ParentId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of OUs in a specified root.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListOrganizationalUnitsForParent

{ "ParentId": "r-examplerootid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "OrganizationalUnits": [
    {
      "Name": "AccountingDepartment",
      "Arn": "arn:aws:organizations::111111111111:ou/o-exampleorgid/ou-
examplerootid111-exampleouid111",
      "Path": "o-exampleorgid/r-examplerootid111/ou-examplerootid111-exampleouid111/"
    },
    {
      "Name": "ProductionDepartment",
      "Arn": "arn:aws:organizations::222222222222:ou/o-exampleorgid/ou-
examplerootid111-exampleouid222",
      "Path": "o-exampleorgid/r-examplerootid111/ou-examplerootid111-exampleouid222/"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListOutboundResponsibilityTransfers

Lists transfers that allow an account outside your organization to manage the specified responsibilities for your organization. This operation returns both transfer invitations and transfers.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "Type": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Type

The type of responsibility. Currently, only `BILLING` is supported.

Type: String

Valid Values: `BILLING`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "ResponsibilityTransfers": [
      {
         "ActiveHandshakeId": "string",
         "Arn": "string",
         "EndTimestamp": number,
         "Id": "string",
         "Name": "string",
         "Source": {
            "ManagementAccountEmail": "string",
            "ManagementAccountId": "string"
         },
         "StartTimestamp": number,
         "Status": "string",
         "Target": {
            "ManagementAccountEmail": "string",
```

```
            "ManagementAccountId": "string"
         },
         "Type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

ResponsibilityTransfers

An array of `ResponsibilityTransfer` objects. Contains details for a transfer.

Type: Array of ResponsibilityTransfer objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of all outbound responsibility transfers that are associated with the account of the credentials that were used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListOutboundResponsibilityTransfers

{ "Type": "BILLING" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
  "ResponsibilityTransfers": [
    {
      "Arn": "arn:aws:organizations::222222222222:transfer/o-exampleorgid222/billing/
outbound/rt-exampletransferid222",
      "EndTimestamp": "1769903999000",
      "Id": "rt-exampletransferid222",
      "Name": "transfer name",
      "Source": {
        "ManagementAccountId": "222222222222"
      },
      "StartTimestamp": "1767225600000",
      "Status": "WITHDRAWN",
      "Target": {
        "ManagementAccountId": "333333333333"
      },
      "Type": "BILLING"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListParents

Lists the root or organizational units (OUs) that serve as the immediate parent of the specified child OU or account. This operation, along with ListChildren enables you to traverse the tree structure that makes up this root.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

> **Note**
>
> In the current release, a child can have only a single parent.

Request Syntax

```
{
   "ChildId": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChildId

ID for the OU or account whose parent containers you want to list. Don't specify a root.

The regex pattern for a child ID string requires one of the following:

- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Parents": [
      {
         "Id": "string",
         "Type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Parents

A list of parents for the specified child account or OU.

Type: Array of Parent objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ChildNotFoundException

We can't find an organizational unit (OU) or AWS account with the `ChildId` that you specified.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.

- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.

- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to list the root or OUs that contain account 444444444444.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListParents

{ "ChildId": "444444444444" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Parents": [
    {
      "Id": "ou-examplerootid111-exampleouid111",
      "Type": "ORGANIZATIONAL_UNIT"
    }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListPolicies

Retrieves the list of all policies in an organization of a specified type.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "Filter": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filter

Specifies the type of policy that you want to include in the response. You must specify one of the following values:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2
- BACKUP_POLICY

- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Policies": [
      {
         "Arn": "string",
         "AwsManaged": boolean,
         "Description": "string",
         "Id": "string",
         "Name": "string",
         "Type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Policies

A list of policies that match the filter criteria in the request. The output list doesn't include the policy contents. To see the content for a policy, see DescribePolicy.

Type: Array of PolicySummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.

- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.

- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can't add, edit, or delete system tag keys because they're reserved for AWS use. System tags don't count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of service control policies (SCPs).

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListPolicies

{ "Filter": "SERVICE_CONTROL_POLICY" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Policies": [
    {
      "Type": "SERVICE_CONTROL_POLICY",
      "Name": "AllowAllS3Actions",
      "AwsManaged": false,
      "Id": "p-examplepolicyid111",
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid111",
      "Description": "Enables account admins to delegate permissions for any S3 actions
 to users and roles in their accounts."
    },
    {
      "Type": "SERVICE_CONTROL_POLICY",
```

```
      "Name": "AllowAllEC2Actions",
      "AwsManaged": false,
      "Id": "p-examplepolicyid222",
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid222",
      "Description": "Enables account admins to delegate permissions for any EC2
 actions to users and roles in their accounts."
    },
    {
      "AwsManaged": true,
      "Description": "Allows access to every operation",
      "Type": "SERVICE_CONTROL_POLICY",
      "Id": "p-FullAWSAccess",
      "Arn": "arn:aws:organizations::aws:policy/service_control_policy/p-
FullAWSAccess",
      "Name": "FullAWSAccess"
    }
  ]
}
```

Example

The following example shows how to get a list of resource control policies (RCPs).

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListPolicies

{ "Filter": "RESOURCE_CONTROL_POLICY" }
```

Sample Response

```
"HTTP/1.1 200 OK
Content-Type":"application/json"{
   "Policy":[
      {
         "AwsManaged":false,
         "Description":"Requires access to all resources that are sent using SSL",
         "Type":"RESOURCE_CONTROL_POLICY"
         "Id":"p-examplepolicyid111",
         "Arn":"arn:aws:organizations::111111111111:policy/o-exampleorgid/
resource_control_policy/p-examplepolicyid111",
```

```
         "Name":"EnforceSSL",
      },
      {
         "AwsManaged":true,
         "Description":"Allows access to every resource"
         "Type":"RESOURCE_CONTROL_POLICY"
         "Id":"p-RCPFullAWSAccess",
         "Arn":"arn:aws:organizations::aws:policy/resource_control_policy/p-
RCPFullAWSAccess",
         "Name":"RCPFullAWSAccess"
      }
   }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListPoliciesForTarget

Lists the policies that are directly attached to the specified target root, organizational unit (OU), or account. You must specify the policy type that you want included in the returned list.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "Filter": "string",
   "MaxResults": number,
   "NextToken": "string",
   "TargetId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filter

The type of policy that you want to include in the returned list. You must specify one of the following values:

- SERVICE_CONTROL_POLICY
- RESOURCE_CONTROL_POLICY
- DECLARATIVE_POLICY_EC2

- BACKUP_POLICY
- TAG_POLICY
- CHATBOT_POLICY
- AISERVICES_OPT_OUT_POLICY
- SECURITYHUB_POLICY
- UPGRADE_ROLLOUT_POLICY
- INSPECTOR_POLICY
- BEDROCK_POLICY
- S3_POLICY
- NETWORK_SECURITY_DIRECTOR_POLICY
- GUARDDUTY_POLICY

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: Yes

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

TargetId

ID for the root, organizational unit, or account whose policies you want to list.

The regex pattern for a target ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "Policies": [
      {
         "Arn": "string",
         "AwsManaged": boolean,
         "Description": "string",
         "Id": "string",
         "Name": "string",
         "Type": "string"
      }
   ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Policies

The list of policies that match the criteria in the request.

Type: Array of PolicySummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.

- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.

- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of all service control policies (SCPs) of the type specified by the `Filter` parameter, that are *directly* attached to an account. The list doesn't

include policies that apply to the account because of inheritance from its location in an OU hierarchy.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListPoliciesForTarget

{ "Filter": "SERVICE_CONTROL_POLICY", "TargetId": "444444444444" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Policies": [
    {
      "Type": "SERVICE_CONTROL_POLICY",
      "Name": "AllowAllEC2Actions",
      "AwsManaged", false,
      "Id": "p-examplepolicyid222",
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid222",
      "Description": "Enables account admins to delegate permissions for any EC2
 actions to users and roles in their accounts."
    }
  ]
}
```

Example

The following example shows how to get a list of all resource control policies (RCPs) of the type specified by the `Filter` parameter, that are *directly* attached to an account. The list doesn't include policies that apply to the account because of inheritance from its location in an OU hierarchy.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListPoliciesForTarget
```

```
{ "Filter": "RESOURCE_CONTROL_POLICY", "TargetId": "444444444444" }
```

Sample Response

```
"HTTP/1.1 200 OK
Content-Type":"application/json"{
   "Policies":[
      {
         "AwsManaged":true,
         "Description":"Allows access to every resource"
         "Type":"RESOURCE_CONTROL_POLICY"
         "Id":"p-RCPFullAWSAccess",
         "Arn":"arn:aws:organizations::aws:policy/resource_control_policy/p-
RCPFullAWSAccess",
         "Name":"RCPFullAWSAccess"
      }
   }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRoots

Lists the roots that are defined in the current organization.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

> **Note**
>
> Policy types can be enabled and disabled in roots. This is distinct from whether they're available in the organization. When you enable all features, you make policy types available for use in that organization. Individual policy types can then be enabled and disabled in a root. To see the availability of a policy type in an organization, use DescribeOrganization.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Roots": [
      {
         "Arn": "string",
         "Id": "string",
         "Name": "string",
         "PolicyTypes": [
            {
               "Status": "string",
               "Type": "string"
            }
         ]
      }
```

```
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Roots

A list of roots that are defined in an organization.

Type: Array of Root objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.

- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.

- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to get a list of roots for an organization.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListRoots

{}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{
    "Roots": [
        {
            "Name": "Root",
            "Arn": "arn:aws:organizations::111111111111:root/o-exampleorgid/r-
examplerootid111",
            "Id": "r-examplerootid111",
            "PolicyTypes": [
                {
                    "Type": "AISERVICES_OPT_OUT_POLICY",
                    "Status": "ENABLED"
                },
                {
                    "Type": "BACKUP_POLICY",
                    "Status": "ENABLED"
                },
                {
                    "Type": "TAG_POLICY",
                    "Status": "ENABLED"
                },
                {
                    "Type": "SERVICE_CONTROL_POLICY",
                    "Status": "ENABLED"
                },
                {
                    "Type": "RESOURCE_CONTROL_POLICY",
                    "Status": "ENABLED"
                }
            ]
        }
    ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Lists tags that are attached to the specified resource.

You can attach tags to the following resources in AWS Organizations.

- AWS account
- Organization root
- Organizational unit (OU)
- Policy (any type)

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "NextToken": "string",
   "ResourceId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

ResourceId

The ID of the resource with the tags to list.

You can specify any of the following taggable resources.

- AWS account – specify the account ID number.
- Organizational unit – specify the OU ID that begins with `ou-` and looks similar to: ou-*1a2b-34uvwxyz*
- Root – specify the root ID that begins with `r-` and looks similar to: `r-`*1a2b*
- Policy – specify the policy ID that begins with `p-` andlooks similar to: `p-`*12abcdefg3*

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})|(^p-[0-9a-zA-Z_]{8,128})|(^rp-[0-9a-zA-Z_]{4,128})|(^rt-[0-9a-zA-Z_]{8,32})$`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Tags

The tags that are assigned to the resource.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to list tags for account 444444444444.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListTagsForResource

{ "ResourceId": "444444444444" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

```
{ "Tags": [
     {
        "Key": "Key1"
        "Value": ["value1"]
     }
  ]
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTargetsForPolicy

Lists all the roots, organizational units (OUs), and accounts that the specified policy is attached to.

> **Note**
>
> When calling List* operations, always check the `NextToken` response parameter value, even if you receive an empty result set. These operations can occasionally return an empty set of results even when more results are available. Continue making requests until `NextToken` returns null. A null `NextToken` value indicates that you have retrieved all available results.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "PolicyId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

The parameter for receiving additional results if you receive a `NextToken` response in a previous request. A `NextToken` response indicates that more output is available. Set this parameter to the value of the previous call's `NextToken` response to indicate where the output should continue from.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Required: No

PolicyId

ID for the policy whose attachments you want to know.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "Targets": [
      {
         "Arn": "string",
         "Name": "string",
         "TargetId": "string",
```

```
        "Type": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a subsequent call to the operation to get the next part of the output. You should repeat this until the `NextToken` response element comes back as `null`.

Type: String

Length Constraints: Maximum length of 100000.

Pattern: `[\s\S]*`

Targets

A list of structures, each of which contains details about one of the entities to which the specified policy is attached.

Type: Array of PolicyTargetSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.

- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.

- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to get the list of roots, OUs, and accounts that the specified policy is attached to.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.ListTargetsForPolicy

{ "PolicyId": "p-FullAWSAccess" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Targets": [
    {
      "Arn": "arn:aws:organizations::111111111111:root/o-exampleorgid/r-
examplerootid111",
      "Name": "Root",
      "TargetId":"r-examplerootid111",
      "Type":"ROOT"
    },
    {
      "Arn": "arn:aws:organizations::111111111111:account/o-exampleorgid/333333333333",
      "Name": "Developer Test Account",
      "TargetId": "333333333333",
      "Type": "ACCOUNT"
    },
    {
      "Arn":"arn:aws:organizations::111111111111:ou/o-exampleorgid/ou-examplerootid111-
exampleouid111",
      "Name":"Accounting",
      "TargetId":"ou-examplerootid111-exampleouid111",
      "Type":"ORGANIZATIONAL_UNIT"
    }
  ]
```

```
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

MoveAccount

Moves an account from its current source parent root or organizational unit (OU) to the specified destination parent root or OU.

You can only call this operation from the management account.

Request Syntax

```
{
   "AccountId": "string",
   "DestinationParentId": "string",
   "SourceParentId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

ID for the account that you want to move.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

DestinationParentId

ID for the root or organizational unit that you want to move the account to.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.

- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

SourceParentId

ID for the root or organizational unit that you want to move the account from.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

DestinationParentNotFoundException

We can't find the destination container (a root or OU) with the `ParentId` that you specified.

HTTP Status Code: 400

DuplicateAccountException

That account is already present in the specified destination.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.

- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

SourceParentNotFoundException

We can't find a source root or OU with the `ParentId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to move a member account from the root to an OU.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.MoveAccount

{ "AccountId": "333333333333", "SourceParentId": "r-examplerootid111",
 "DestinationParentId": "ou-examplerootid111-exampleouid111" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutResourcePolicy

Creates or updates a resource policy.

You can only call this operation from the management account..

Request Syntax

```
{
   "Content": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Content

If provided, the new content for the resource policy. The text must be correctly formatted JSON that complies with the syntax for the resource policy's type. For more information, see SCP syntax in the *AWS Organizations User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 40000.

Pattern: `[\s\S]*`

Required: Yes

Tags

A list of tags that you want to attach to the newly created resource policy. For each tag in the list, you must specify both a tag key and a value. You can set the value to an empty string, but

you can't set it to `null`. For more information about tagging, see Tagging AWS Organizations resources in the AWS Organizations User Guide.

> **Note**
>
> Calls with tags apply to the initial creation of the resource policy, otherwise an exception is thrown. If any one of the tags is not valid or if you exceed the allowed number of tags for the resource policy, then the entire request fails and the resource policy is not created.

Type: Array of Tag objects

Required: No

Response Syntax

```
{
   "ResourcePolicy": {
      "Content": "string",
      "ResourcePolicySummary": {
         "Arn": "string",
         "Id": "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResourcePolicy

A structure that contains details about the resource policy.

Type: ResourcePolicy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.

- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable

all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.

- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.

- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.

- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.

- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).

- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4

- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RegisterDelegatedAdministrator

Enables the specified member account to administer the Organizations features of the specified AWS service. It grants read-only access to AWS Organizations service data. The account still requires IAM permissions to access and administer the AWS service.

You can run this action only for AWS services that support this feature. For a current list of services that support it, see the column *Supports Delegated Administrator* in the table at AWS Services that you can use with AWS Organizations in the *AWS Organizations User Guide.*

You can only call this operation from the management account.

Request Syntax

```
{
   "AccountId": "string",
   "ServicePrincipal": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

The account ID number of the member account in the organization to register as a delegated administrator.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

ServicePrincipal

The service principal of the AWS service for which you want to make the member account a delegated administrator.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+=,.@-]*`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountAlreadyRegisteredException

The specified account is already a delegated administrator for this AWS service.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of RegisterDelegatedAdministrator.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.RegisterDelegatedAdministrators

{ "AccountId": "111111111111", "ServicePrincipal": "example.amazonaws.com" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RemoveAccountFromOrganization

Removes the specified account from the organization.

The removed account becomes a standalone account that isn't a member of any organization. It's no longer subject to any policies and is responsible for its own bill payments. The organization's management account is no longer charged for any expenses accrued by the member account after it's removed from the organization.

You can only call this operation from the management account. Member accounts can remove themselves with LeaveOrganization instead.

When an account is removed from an organization, Organizations logs a membership event in CloudTrail. The event is an `AccountDepartedOrganization` event with `departureMethod:REMOVED` and `departureTime`. This event is available only in the management account's event history.

Important

- You can remove an account from your organization only if the account is configured with the information required to operate as a standalone account. When you create an account in an organization using the AWS Organizations console, API, or CLI commands, the information required of standalone accounts is *not* automatically collected. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- The account that you want to leave must not be a delegated administrator account for any AWS service enabled for your organization. If the account is a delegated administrator, you must first change the delegated administrator account to another account that is remaining in the organization.
- After the account leaves the organization, all tags that were attached to the account object in the organization are deleted. AWS accounts outside of an organization do not support tags.

Request Syntax

```
{
```

```
   "AccountId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AccountId

ID for the member account that you want to remove from the organization.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AccountNotFoundException

We can't find an AWS account with the `AccountId` that you specified, or the account whose credentials you used to make this request isn't a member of an organization.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.

- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.

- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.

- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.

- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.

- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.

- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

MasterCannotLeaveOrganizationException

You can't remove a management account from an organization. If you want the management account to become a member account in another organization, you must first delete the current organization of the management account.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

The following example shows how to remove member account 333333333333 from an organization.

Example

This example illustrates one usage of RemoveAccountFromOrganization.

Sample Request

```
POST / HTTP/1.1
```

```
Host: organizations.us-east-1.amazonaws.com
X-Amz-Target: AWSOrganizationsV20161128.RemoveAccountFromOrganization

{ "AccountId": "333333333333" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Adds one or more tags to the specified resource.

Currently, you can attach tags to the following resources in AWS Organizations.

- AWS account
- Organization root
- Organizational unit (OU)
- Policy (any type)

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "ResourceId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceId

The ID of the resource to add a tag to.

You can specify any of the following taggable resources.

- AWS account – specify the account ID number.

- Organizational unit – specify the OU ID that begins with ou- and looks similar to: ou-*1a2b-34uvwxyz*
- Root – specify the root ID that begins with r- and looks similar to: r-*1a2b*
- Policy – specify the policy ID that begins with p- andlooks similar to: p-*12abcdefg3*

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})|(^p-[0-9a-zA-Z_]{8,128})|(^rp-[0-9a-zA-Z_]{4,128})|(^rt-[0-9a-zA-Z_]{8,32})$`

Required: Yes

Tags

A list of tags to add to the specified resource.

For each tag in the list, you must specify both a tag key and a value. The value can be an empty string, but you can't set it to `null`.

> **Note**
>
> If any one of the tags is not valid or if you exceed the maximum allowed number of tags for a resource, then the entire request fails.

Type: Array of Tag objects

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the

steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the

marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.

- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.

- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.

- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.

- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to tag a resource with the account ID of 444444444444.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.TagResource
```

```
{ “ResourceId” : "444444444444", "Tags": [ {"Key”: “Key1”, “Value” : “value1”}, {"Key”:
 “Key2”, “Value” : “value2”}]
}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TerminateResponsibilityTransfer

Ends a transfer. A *transfer* is an arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

When a transfer ends, AWS Organizations publishes a `ResponsibilityTransferTerminated` service event to CloudTrail. Each affected account receives this event, including upstream participants such as distributors in a chained transfer. For an example log entry, see Example log entries: TerminateResponsibilityTransfer in the *AWS Organizations User Guide*.

Request Syntax

```
{
   "EndTimestamp": number,
   "Id": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

EndTimestamp

Timestamp when the responsibility transfer is to end.

Type: Timestamp

Required: No

Id

ID for the transfer.

Type: String

Pattern: `^rt-[0-9a-z]{8,32}$`

Required: Yes

Response Syntax

```
{
   "ResponsibilityTransfer": {
      "ActiveHandshakeId": "string",
      "Arn": "string",
      "EndTimestamp": number,
      "Id": "string",
      "Name": "string",
      "Source": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
      },
      "StartTimestamp": number,
      "Status": "string",
      "Target": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
      },
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResponsibilityTransfer

A `ResponsibilityTransfer` object. Contains details for a transfer.

Type: ResponsibilityTransfer object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the

steps at Removing a member account from your organization in the *AWS Organizations User Guide*.

- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.

- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the

marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.

- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.

- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.

- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.

- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

InvalidResponsibilityTransferTransitionException

The responsibility transfer can't transition to the requested state because it's not in a valid state for this operation.

HTTP Status Code: 400

ResponsibilityTransferAlreadyInStatusException

The responsibility transfer is already in the status that you specified.

HTTP Status Code: 400

ResponsibilityTransferNotFoundException

We can't find a transfer that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to terminate a transfer.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.TerminateResponsibilityTransfer

{ "EndTimestamp": "1769903999", "Id": "rt-exampletransferid222" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "ResponsibilityTransfer": {
    "Arn": "arn:aws:organizations::222222222222:transfer/o-exampleorgid222/billing/
outbound/rt-exampletransferid222",
    "EndTimestamp": "1769903999000",
    "Id": "rt-exampletransferid222",
    "Name": "transfer name",
    "Source": {
        "ManagementAccountId": "222222222222"
    },
    "StartTimestamp": "1767225600000",
    "Status": "WITHDRAWN",
    "Target": {
        "ManagementAccountId": "333333333333"
    },
    "Type": "BILLING"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Removes any tags with the specified keys from the specified resource.

You can attach tags to the following resources in AWS Organizations.

- AWS account
- Organization root
- Organizational unit (OU)
- Policy (any type)

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "ResourceId": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceId

The ID of the resource to remove a tag from.

You can specify any of the following taggable resources.

- AWS account – specify the account ID number.
- Organizational unit – specify the OU ID that begins with `ou-` and looks similar to: ou-*1a2b-34uvwxyz*
- Root – specify the root ID that begins with `r-` and looks similar to: `r-`*1a2b*
- Policy – specify the policy ID that begins with `p-` andlooks similar to: `p-`*12abcdefg3*

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})|(^p-[0-9a-zA-Z_]{8,128})|(^rp-[0-9a-zA-Z_]{4,128})|(^rt-[0-9a-zA-Z_]{8,32})$`

Required: Yes

TagKeys

The list of keys for tags to remove from the specified resource.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: Yes

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.

- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with

your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.

- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.

- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TargetNotFoundException

We can't find a root, OU, account, or policy with the `TargetId` that you specified.

HTTP Status Code: 400

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to remove a tag from a resource with the account ID of 444444444444.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.UntagResource

{ “ResourceId” : "444444444444", "TagKeys": [ {"Key”: “Key1”, “Key2”} ]
}
```

Sample Response

```
HTTP/1.1 200 OK
```

```
Content-Type: application/json
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateOrganizationalUnit

Renames the specified organizational unit (OU). The ID and ARN don't change. The child OUs and accounts remain in place, and any attached policies of the OU remain attached.

You can only call this operation from the management account.

Request Syntax

```
{
   "Name": "string",
   "OrganizationalUnitId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Name

The new name that you want to assign to the OU.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: No

OrganizationalUnitId

ID for the OU that you want to rename. You can get the ID from the ListOrganizationalUnitsForParent operation.

The regex pattern for an organizational unit ID string requires "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 68.

Pattern: `^ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}$`

Required: Yes

Response Syntax

```
{
   "OrganizationalUnit": {
      "Arn": "string",
      "Id": "string",
      "Name": "string",
      "Path": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationalUnit

A structure that contains the details about the specified OU, including its new name.

Type: OrganizationalUnit object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

DuplicateOrganizationalUnitException

An OU with the same name already exists.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.

- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.

- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

OrganizationalUnitNotFoundException

We can't find an OU with the `OrganizationalUnitId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

Examples

Example

The following example shows how to rename an OU. The output confirms the new name.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.UpdateOrganizationalUnit

{ "OrganizationalUnitId": "ou-examplerootid111-exampleouid111", "Name":
 "AccountingOU" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "OrganizationalUnit": {
    "Id": "ou-examplerootid111-exampleouid111",
    "Name": "AccountingOU",
    "Arn": "arn:aws:organizations::111111111111:ou/o-exampleorgid/ou-examplerootid111-
exampleouid111",
    "Path": "o-exampleorgid/r-examplerootid111/ou-examplerootid111-exampleouid111/"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdatePolicy

Updates an existing policy with a new name, description, or content. If you don't supply any parameter, that value remains unchanged. You can't change a policy's type.

You can only call this operation from the management account or a member account that is a delegated administrator.

Request Syntax

```
{
   "Content": "string",
   "Description": "string",
   "Name": "string",
   "PolicyId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Content

If provided, the new content for the policy. The text must be correctly formatted JSON that complies with the syntax for the policy's type. For more information, see SCP syntax in the *AWS Organizations User Guide*.

The maximum size of a policy document depends on the policy's type. For more information, see Maximum and minimum values in the *AWS Organizations User Guide*.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: No

Description

If provided, the new description for the policy.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `[\s\S]*`

Required: No

Name

If provided, the new name for the policy.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: No

PolicyId

ID for the policy that you want to update.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: Yes

Response Syntax

```
{
   "Policy": {
      "Content": "string",
      "PolicySummary": {
         "Arn": "string",
```

```
            "AwsManaged": boolean,
            "Description": "string",
            "Id": "string",
            "Name": "string",
            "Type": "string"
        }
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Policy

A structure that contains details about the updated policy, showing the requested changes.

Type: Policy object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConcurrentModificationException

The target of the operation is currently being modified by a different request. Try again later.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.
- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

> **Note**
>
> Deleted and closed accounts still count toward your limit.

> **Important**
>
> If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service integrated with Organizations. You can designate only a member account as a delegated administrator.
- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.

- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.
- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit

card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.

- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.
- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.

- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

DuplicatePolicyException

A policy with the same name already exists.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.
- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.

- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.
- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

MalformedPolicyDocumentException

The provided policy document doesn't meet the requirements of the specified policy type. For example, the syntax might be incorrect. For details about service control policy syntax, see SCP syntax in the *AWS Organizations User Guide*.

HTTP Status Code: 400

PolicyChangesInProgressException

Changes to the effective policy are in progress, and its contents can't be returned. Try the operation again later.

HTTP Status Code: 400

PolicyNotFoundException

We can't find a policy with the `PolicyId` that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to rename a policy and give it a new description. The output confirms the new name and description text.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.UpdatePolicy

{ "PolicyId": "p-examplepolicyid111", "Name": "Renamed-Policy", "Description": "This
 description replaces the original." }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Policy": {
    "Content": "{ \"Version\": \"2012-10-17\", \"Statement\": { \"Effect\": \"Allow\",
 \"Action\": \"ec2:*\", \"Resource\": \"*\" } }",
    "PolicySummary": {
      "Id": "p-examplepolicyid111",
      "AwsManaged": false,
      "Arn":"arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid111",
      "Description": "This description replaces the original.",
      "Name": "Renamed-Policy",
      "Type": "SERVICE_CONTROL_POLICY"
    }
  }
}
```

Example

The following example shows how to replace the JSON text of a policy.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.UpdatePolicy

{ "PolicyId": "p-examplepolicyid111",
  "Content": "{ \"Version\": \"2012-10-17\", \"Statement\": {\"Effect\": \"Allow\",
 \"Action\": \"s3:*\", \"Resource\": \"*\" } }" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "Policy": {
    "Content": "{ \"Version\": \"2012-10-17\", \"Statement\": { \"Effect\": \"Allow\",
 \"Action\": \"s3:*\", \"Resource\": \"*\" } }",
    "PolicySummary": {
      "Arn": "arn:aws:organizations::111111111111:policy/o-exampleorgid/
service_control_policy/p-examplepolicyid111",
      "AwsManaged": false;
      "Description": "This description replaces the original.",
      "Id": "p-examplepolicyid111",
      "Name": "Renamed-Policy",
      "Type": "SERVICE_CONTROL_POLICY"
    }
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateResponsibilityTransfer

Updates a transfer. A *transfer* is the arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

You can update the name assigned to a transfer.

Request Syntax

```
{
   "Id": "string",
   "Name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Id

ID for the transfer.

Type: String

Pattern: `^rt-[0-9a-z]{8,32}$`

Required: Yes

Name

New name you want to assign to the transfer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[ -~]+$`

Required: Yes

Response Syntax

```
{
   "ResponsibilityTransfer": {
      "ActiveHandshakeId": "string",
      "Arn": "string",
      "EndTimestamp": number,
      "Id": "string",
      "Name": "string",
      "Source": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
      },
      "StartTimestamp": number,
      "Status": "string",
      "Target": {
         "ManagementAccountEmail": "string",
         "ManagementAccountId": "string"
      },
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ResponsibilityTransfer

Contains details for a transfer. A *transfer* is the arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

Type: ResponsibilityTransfer object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permissions to perform the requested operation. The user or role that is making the request must have at least one IAM permissions policy attached that grants the required permissions. For more information, see Access Management in the *IAM User Guide*.

HTTP Status Code: 400

AWSOrganizationsNotInUseException

Your account isn't a member of an organization. To make this request, you must use the credentials of an account that belongs to an organization.

HTTP Status Code: 400

ConstraintViolationException

Performing this operation violates a minimum or maximum value limit. For example, attempting to remove the last service control policy (SCP) from an OU or root, inviting or creating too many accounts to the organization, or attaching too many policies to an account, OU, or root. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- ACCOUNT_CANNOT_LEAVE_ORGANIZATION: You attempted to remove the management account from the organization. You can't remove the management account. Instead, after you remove all member accounts, delete the organization itself.
- ACCOUNT_CANNOT_LEAVE_WITHOUT_PHONE_VERIFICATION: You attempted to remove an account from the organization that doesn't yet have enough information to exist as a standalone account. This account requires you to first complete phone verification. Follow the steps at Removing a member account from your organization in the *AWS Organizations User Guide*.
- ACCOUNT_CREATION_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that can be in progress at a time.

- ACCOUNT_CREATION_NOT_COMPLETE: Your account setup isn't complete or your account isn't fully active. You must complete the account setup before you create an organization.
- ACCOUNT_NOT_ACTIVE_FOR_TRANSFER_RESPONSIBILITY: Your account setup isn't complete or your account isn't fully active to invite or accept a Billing Transfer invitation.
- ACTIVE_RESPONSIBILITY_TRANSFER_PROCESS: You cannot delete organization due to an ongoing responsibility transfer process. For example, a pending invitation or an in-progress transfer. To delete the organization, you must resolve the current transfer process.
- ACCOUNT_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the limit on the number of accounts in an organization. If you need more accounts, contact AWS Support to request an increase in your limit.

  Or the number of invitations that you tried to send would cause you to exceed the limit of accounts in your organization. Send fewer invitations or contact AWS Support to request an increase in the number of accounts.

  > **Note**
  >
  > Deleted and closed accounts still count toward your limit.

  > **Important**
  >
  > If you get this exception when running a command immediately after creating the organization, wait one hour and try again. After an hour, if the command continues to fail with this error, contact AWS Support.

- ALL_FEATURES_MIGRATION_ORGANIZATION_SIZE_LIMIT_EXCEEDED: Your organization has more than 5000 accounts, and you can only use the standard migration process for organizations with less than 5000 accounts. Use the assisted migration process to enable all features mode, or create a support case for assistance if you are unable to use assisted migration.
- CANNOT_REGISTER_SUSPENDED_ACCOUNT_AS_DELEGATED_ADMINISTRATOR: You cannot register a suspended account as a delegated administrator.
- CANNOT_REGISTER_MASTER_AS_DELEGATED_ADMINISTRATOR: You attempted to register the management account of the organization as a delegated administrator for an AWS service

integrated with Organizations. You can designate only a member account as a delegated administrator.

- CANNOT_CLOSE_MANAGEMENT_ACCOUNT: You attempted to close the management account. To close the management account for the organization, you must first either remove or close all member accounts in the organization. Follow standard account closure process using root credentials.
- CANNOT_REMOVE_DELEGATED_ADMINISTRATOR_FROM_ORG: You attempted to remove an account that is registered as a delegated administrator for a service integrated with your organization. To complete this operation, you must first deregister this account as a delegated administrator.
- CLOSE_ACCOUNT_QUOTA_EXCEEDED: You have exceeded close account quota for the past 30 days.
- CLOSE_ACCOUNT_REQUESTS_LIMIT_EXCEEDED: You attempted to exceed the number of accounts that you can close at a time.
- CREATE_ORGANIZATION_IN_BILLING_MODE_UNSUPPORTED_REGION: To create an organization in the specified region, you must enable all features mode.
- DELEGATED_ADMINISTRATOR_EXISTS_FOR_THIS_SERVICE: You attempted to register an AWS account as a delegated administrator for an AWS service that already has a delegated administrator. To complete this operation, you must first deregister any existing delegated administrators for this service.
- EMAIL_VERIFICATION_CODE_EXPIRED: The email verification code is only valid for a limited period of time. You must resubmit the request and generate a new verification code.
- HANDSHAKE_RATE_LIMIT_EXCEEDED: You attempted to exceed the number of handshakes that you can send in one day.
- INVALID_PAYMENT_INSTRUMENT: You cannot remove an account because no supported payment method is associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- MASTER_ACCOUNT_ADDRESS_DOES_NOT_MATCH_MARKETPLACE: To create an account in this organization, you first must migrate the organization's management account to the marketplace that corresponds to the management account's address. All accounts in an organization must be associated with the same marketplace.

- MASTER_ACCOUNT_MISSING_BUSINESS_LICENSE: Applies only to the AWS Regions in China. To create an organization, the master must have a valid business license. For more information, contact customer support.
- MASTER_ACCOUNT_MISSING_CONTACT_INFO: To complete this operation, you must first provide a valid contact address and phone number for the management account. Then try the operation again.
- MASTER_ACCOUNT_NOT_GOVCLOUD_ENABLED: To complete this operation, the management account must have an associated account in the AWS GovCloud (US-West) Region. For more information, see AWS Organizations in the *AWS GovCloud User Guide*.
- MASTER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To create an organization with this management account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MAX_DELEGATED_ADMINISTRATORS_FOR_SERVICE_LIMIT_EXCEEDED: You attempted to register more delegated administrators than allowed for the service principal.
- MAX_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to exceed the number of policies of a certain type that can be attached to an entity at one time.
- MAX_TAG_LIMIT_EXCEEDED: You have exceeded the number of tags allowed on this resource.
- MEMBER_ACCOUNT_PAYMENT_INSTRUMENT_REQUIRED: To complete this operation with this member account, you first must associate a valid payment instrument, such as a credit card, with the account. For more information, see Considerations before removing an account from an organization in the *AWS Organizations User Guide*.
- MIN_POLICY_TYPE_ATTACHMENT_LIMIT_EXCEEDED: You attempted to detach a policy from an entity that would cause the entity to have fewer than the minimum number of policies of a certain type required.
- ORGANIZATION_NOT_IN_ALL_FEATURES_MODE: You attempted to perform an operation that requires the organization to be configured to support all features. An organization that supports only consolidated billing features can't perform this operation.
- OU_DEPTH_LIMIT_EXCEEDED: You attempted to create an OU tree that is too many levels deep.
- OU_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of OUs that you can have in an organization.
- POLICY_CONTENT_LIMIT_EXCEEDED: You attempted to create a policy that is larger than the maximum size.

- POLICY_NUMBER_LIMIT_EXCEEDED: You attempted to exceed the number of policies that you can have in an organization.
- POLICY_TYPE_ENABLED_FOR_THIS_SERVICE: You attempted to disable service access before you disabled the policy type (for example, SECURITYHUB_POLICY). To complete this operation, you must first disable the policy type.
- RESPONSIBILITY_TRANSFER_MAX_INBOUND_QUOTA_VIOLATION: You have exceeded your inbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_LEVEL_VIOLATION: You have exceeded the maximum length of your transfer chain.
- RESPONSIBILITY_TRANSFER_MAX_OUTBOUND_QUOTA_VIOLATION: You have exceeded your outbound transfers limit.
- RESPONSIBILITY_TRANSFER_MAX_TRANSFERS_QUOTA_VIOLATION: You have exceeded the maximum number of inbound transfers allowed in a transfer chain.
- SERVICE_ACCESS_NOT_ENABLED:
  - You attempted to register a delegated administrator before you enabled service access. Call the `EnableAWSServiceAccess` API first.
  - You attempted to enable a policy type before you enabled service access. Call the `EnableAWSServiceAccess` API first.
- TAG_POLICY_VIOLATION: You attempted to create or update a resource with tags that are not compliant with the tag policy requirements for this account.
- TRANSFER_RESPONSIBILITY_SOURCE_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because it is marked for deletion.
- TRANSFER_RESPONSIBILITY_TARGET_DELETION_IN_PROGRESS: The source organization cannot accept this transfer invitation because target organization is marked for deletion.
- TRANSFER_RESPONSIBILITY_UPDATE_NOT_ALLOWED: You cannot update this transfer because it is no longer active. Transfers that have been withdrawn, declined, expired, or cancelled cannot be modified.
- UNMET_BILLING_PREREQUISITE: Your current billing configuration is unsupported. Contact AWS Support for assistance.
- UNSUPPORTED_PRICING: Ineligible for Billing Transfer. Your organization is subject to a pricing agreement with AWS that Billing Transfer does not support.
- WAIT_PERIOD_ACTIVE: After you create an AWS account, you must wait until at least four days after the account was created. Invited accounts aren't subject to this waiting period.

HTTP Status Code: 400

InvalidInputException

The requested operation failed because you provided invalid values for one or more of the request parameters. This exception includes a reason that contains additional information about the violated limit:

> **Note**
>
> Some of the reasons in the following list might not be applicable to this specific API or operation.

- CALLER_REQUIRED_FIELD_MISSING: At least one of the required field is missing: Caller Account Id, Management Account Id or Organization Id.
- DUPLICATE_TAG_KEY: Tag keys must be unique among the tags attached to the same entity.
- END_DATE_NOT_END_OF_MONTH: You provided an invalid end date. The end date must be the end of the last day of the month (23.59.59.999).
- END_DATE_TOO_EARLY: You provided an invalid end date. The end date is too early.
- END_DATE_TOO_LATE: You provided an invalid end date. The end date is too late.
- IMMUTABLE_POLICY: You specified a policy that is managed by AWS and can't be modified.
- INPUT_REQUIRED: You must include a value for all required parameters.
- INVALID_EMAIL_ADDRESS_TARGET: You specified an invalid email address for the invited account owner.
- INVALID_END_DATE: The selected withdrawal date doesn't meet the minimum notice period required by your partner agreement. Visit AWS Partner Central or contact your AWS Channel Partner for help.
- INVALID_ENUM: You specified an invalid value.
- INVALID_ENUM_POLICY_TYPE: You specified an invalid policy type string.
- INVALID_FULL_NAME_TARGET: You specified a full name that contains invalid characters.
- INVALID_LIST_MEMBER: You provided a list to a parameter that contains at least one invalid value.
- INVALID_PAGINATION_TOKEN: Get the value for the `NextToken` parameter from the response to a previous call of the operation.

- INVALID_PARTY_TYPE_TARGET: You specified the wrong type of entity (account, organization, or email) as a party.
- INVALID_PATTERN: You provided a value that doesn't match the required pattern. The service also validates your free-text field values against common cross-site scripting (XSS) patterns and rejects requests that contain matching values.
- INVALID_PATTERN_TARGET_ID: You specified a policy target ID that doesn't match the required pattern.
- INVALID_PRINCIPAL: You specified an invalid principal element in the policy.
- INVALID_ROLE_NAME: You provided a role name that isn't valid. A role name can't begin with the reserved prefix `AWSServiceRoleFor`.
- INVALID_START_DATE: The start date doesn't meet the minimum requirements.
- INVALID_SYNTAX_ORGANIZATION_ARN: You specified an invalid Amazon Resource Name (ARN) for the organization.
- INVALID_SYNTAX_POLICY_ID: You specified an invalid policy ID.
- INVALID_SYSTEM_TAGS_PARAMETER: You specified a tag key that is a system tag. You can’t add, edit, or delete system tag keys because they're reserved for AWS use. System tags don’t count against your tags per resource limit.
- MAX_FILTER_LIMIT_EXCEEDED: You can specify only one filter parameter for the operation.
- MAX_LENGTH_EXCEEDED: You provided a string parameter that is longer than allowed.
- MAX_VALUE_EXCEEDED: You provided a numeric parameter that has a larger value than allowed.
- MIN_LENGTH_EXCEEDED: You provided a string parameter that is shorter than allowed.
- MIN_VALUE_EXCEEDED: You provided a numeric parameter that has a smaller value than allowed.
- MOVING_ACCOUNT_BETWEEN_DIFFERENT_ROOTS: You can move an account only between entities in the same root.
- NON_DETACHABLE_POLICY: You can't detach this AWS Managed Policy.
- START_DATE_NOT_BEGINNING_OF_DAY: You provided an invalid start date. The start date must be the beginning of the day (00:00:00.000).
- START_DATE_NOT_BEGINNING_OF_MONTH: You provided an invalid start date. The start date must be the first day of the month.
- START_DATE_TOO_EARLY: You provided an invalid start date. The start date is too early.

- START_DATE_TOO_LATE: You provided an invalid start date. The start date is too late.
- TARGET_NOT_SUPPORTED: You can't perform the specified operation on that target entity.
- UNRECOGNIZED_SERVICE_PRINCIPAL: You specified a service principal that isn't recognized.
- UNSUPPORTED_ACTION_IN_RESPONSIBILITY_TRANSFER: You provided a value that is not supported by this operation.

HTTP Status Code: 400

ResponsibilityTransferNotFoundException

We can't find a transfer that you specified.

HTTP Status Code: 400

ServiceException

AWS Organizations can't complete your request because of an internal service error. Try again later.

HTTP Status Code: 500

TooManyRequestsException

You have sent too many requests in too short a period of time. The quota helps protect against denial-of-service attacks. Try again later.

For information about quotas that affect AWS Organizations, see Quotas for AWS Organizations in the *AWS Organizations User Guide*.

HTTP Status Code: 400

UnsupportedAPIEndpointException

This action isn't available in the current AWS Region.

HTTP Status Code: 400

Examples

Example

The following example shows how to rename a transfer. The output confirms the new name.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSOrganizationsV20161128.UpdateResponsibilityTransfer

{ "Id": "rt-exampletransferid222", "Name": "new name" }
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "ResponsibilityTransfer": {
    "Arn": "arn:aws:organizations::222222222222:transfer/o-exampleorgid222/billing/
outbound/rt-exampletransferid222",
    "EndTimestamp": "1769903999000",
    "Id": "rt-exampletransferid222",
    "Name": "new name",
    "Source": {
        "ManagementAccountId": "222222222222"
    },
    "StartTimestamp": "1767225600000",
    "Status": "WITHDRAWN",
    "Target": {
        "ManagementAccountId": "333333333333"
    },
    "Type": "BILLING"
  }
}
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The AWS Organizations API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- Account
- Child
- CreateAccountStatus
- DelegatedAdministrator
- DelegatedService
- EffectivePolicy
- EffectivePolicyValidationError
- EnabledServicePrincipal
- Handshake
- HandshakeFilter
- HandshakeParty
- HandshakeResource
- Organization
- OrganizationalUnit
- Parent
- Policy
- PolicySummary
- PolicyTargetSummary
- PolicyTypeSummary
- ResourcePolicy

- ResourcePolicySummary
- ResponsibilityTransfer
- Root
- Tag
- TransferParticipant

Account

Contains information about an AWS account that is a member of an organization.

Contents

Arn

The Amazon Resource Name (ARN) of the account.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:account\/o-[a-z0-9]{10,32}\/\d{12}`

Required: No

Email

The email address associated with the AWS account.

The regex pattern for this parameter is a string of characters that represents a standard internet email address.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `[^\s@]+@[^\s@]+\.[^\s@]+`

Required: No

Id

The unique identifier (ID) of the account.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: ^\d{12}$

Required: No

JoinedMethod

The method by which the account joined the organization.

Type: String

Valid Values: INVITED | CREATED

Required: No

JoinedTimestamp

The date the account became a part of the organization.

Type: Timestamp

Required: No

Name

The friendly name of the account.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Paths

The paths in the organization where the account exists.

Type: Array of strings

Pattern: ^(o-[a-z0-9]{10,32}\/r-[0-9a-z]{4,32}(\/ou\-[0-9a-z]{4,32}-[a-z0-9]{8,32})*(\/\d{12})*)\/

Required: No

State

Each state represents a specific phase in the account lifecycle. Use this information to manage account access, automate workflows, or trigger actions based on account state changes.

For more information about account states and their implications, see Monitor the state of your AWS accounts in the *AWS Organizations User Guide*.

Type: String

Valid Values: `PENDING_ACTIVATION | ACTIVE | SUSPENDED | PENDING_CLOSURE | CLOSED`

Required: No

Status

The status of the account in the organization.

> **Important**
>
> The `Status` parameter in the `Account` object will be retired on September 9, 2026. Although both the account `State` and account `Status` parameters are currently available in the AWS Organizations APIs (`DescribeAccount`, `ListAccounts`, `ListAccountsForParent`), we recommend that you update your scripts or other code to use the `State` parameter instead of `Status` before September 9, 2026.

Type: String

Valid Values: `ACTIVE | SUSPENDED | PENDING_CLOSURE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Child

Contains a list of child entities, either OUs or accounts.

Contents

Id

The unique identifier (ID) of this child entity.

The regex pattern for a child ID string requires one of the following:

- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: No

Type

The type of this child entity.

Type: String

Valid Values: `ACCOUNT | ORGANIZATIONAL_UNIT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

CreateAccountStatus

Contains the status about a CreateAccount or CreateGovCloudAccount request to create an AWS account or an AWS GovCloud (US) account in an organization.

Contents

AccountId

If the account was created successfully, the unique identifier (ID) of the new account.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: No

AccountName

The account name given to the account when it was created.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[\u0020-\u007E]+`

Required: No

CompletedTimestamp

The date and time that the account was created and the request completed.

Type: Timestamp

Required: No

FailureReason

If the request failed, a description of the reason for the failure.

- ACCOUNT_LIMIT_EXCEEDED: The account couldn't be created because you reached the limit on the number of accounts in your organization.
- CONCURRENT_ACCOUNT_MODIFICATION: You already submitted a request with the same information.
- EMAIL_ALREADY_EXISTS: The account could not be created because another AWS account with that email address already exists.
- FAILED_BUSINESS_VALIDATION: The AWS account that owns your organization failed to receive business license validation.
- GOVCLOUD_ACCOUNT_ALREADY_EXISTS: The account in the AWS GovCloud (US) Region could not be created because this Region already includes an account with that email address.
- IDENTITY_INVALID_BUSINESS_VALIDATION: The AWS account that owns your organization can't complete business license validation because it doesn't have valid identity data.
- INVALID_ADDRESS: The account could not be created because the address you provided is not valid.
- INVALID_EMAIL: The account could not be created because the email address you provided is not valid.
- INVALID_PAYMENT_INSTRUMENT: The AWS account that owns your organization does not have a supported payment method associated with the account. AWS does not support cards issued by financial institutions in Russia or Belarus. For more information, see Managing your AWS payments.
- INTERNAL_FAILURE: The account could not be created because of an internal failure. Try again later. If the problem persists, contact AWS Customer Support.
- MISSING_BUSINESS_VALIDATION: The AWS account that owns your organization has not received Business Validation.
- MISSING_PAYMENT_INSTRUMENT: You must configure the management account with a valid payment method, such as a credit card.
- PENDING_BUSINESS_VALIDATION: The AWS account that owns your organization is still in the process of completing business license validation.
- UNKNOWN_BUSINESS_VALIDATION: The AWS account that owns your organization has an unknown issue with business license validation.

Type: String

Valid Values: `ACCOUNT_LIMIT_EXCEEDED | EMAIL_ALREADY_EXISTS | INVALID_ADDRESS | INVALID_EMAIL | CONCURRENT_ACCOUNT_MODIFICATION`

```
| INTERNAL_FAILURE | GOVCLOUD_ACCOUNT_ALREADY_EXISTS |
MISSING_BUSINESS_VALIDATION | FAILED_BUSINESS_VALIDATION |
PENDING_BUSINESS_VALIDATION | INVALID_IDENTITY_FOR_BUSINESS_VALIDATION
| UNKNOWN_BUSINESS_VALIDATION | MISSING_PAYMENT_INSTRUMENT |
INVALID_PAYMENT_INSTRUMENT |
UPDATE_EXISTING_RESOURCE_POLICY_WITH_TAGS_NOT_SUPPORTED
```

Required: No

GovCloudAccountId

If the account was created successfully, the ID for the new account in the AWS GovCloud (US) Region.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: No

Id

The unique identifier (ID) that references this request. You get this value from the response of the initial CreateAccount request to create the account.

The regex pattern for a create account request ID string requires "car-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 36.

Pattern: `^car-[a-z0-9]{8,32}$`

Required: No

RequestedTimestamp

The date and time that the request was made for the account creation.

Type: Timestamp

Required: No

State

The status of the asynchronous request to create an AWS account.

Type: String

Valid Values: `IN_PROGRESS | SUCCEEDED | FAILED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DelegatedAdministrator

Contains information about the delegated administrator.

Contents

Arn

The Amazon Resource Name (ARN) of the delegated administrator's account.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:account\/o-[a-z0-9]{10,32}\/\d{12}`

Required: No

DelegationEnabledDate

The date when the account was made a delegated administrator.

Type: Timestamp

Required: No

Email

The email address that is associated with the delegated administrator's AWS account.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `[^\s@]+@[^\s@]+\.[^\s@]+`

Required: No

Id

The unique identifier (ID) of the delegated administrator's account.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: No

JoinedMethod

The method by which the delegated administrator's account joined the organization.

Type: String

Valid Values: `INVITED | CREATED`

Required: No

JoinedTimestamp

The date when the delegated administrator's account became a part of the organization.

Type: Timestamp

Required: No

Name

The friendly name of the delegated administrator's account.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: No

State

Each state represents a specific phase in the account lifecycle. Use this information to manage account access, automate workflows, or trigger actions based on account state changes.

For more information about account states and their implications, see Monitor the state of your AWS accounts in the *AWS Organizations User Guide*.

Type: String

Valid Values: `PENDING_ACTIVATION | ACTIVE | SUSPENDED | PENDING_CLOSURE | CLOSED`

Required: No

Status

The status of the delegated administrator's account in the organization.

Type: String

Valid Values: `ACTIVE | SUSPENDED | PENDING_CLOSURE`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DelegatedService

Contains information about the AWS service for which the account is a delegated administrator.

Contents

DelegationEnabledDate

The date that the account became a delegated administrator for this service.

Type: Timestamp

Required: No

ServicePrincipal

The name of an AWS service that can request an operation for the specified service. This is typically in the form of a URL, such as: *servicename*.amazonaws.com.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\w+=,.@-]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EffectivePolicy

Contains rules to be applied to the affected accounts. The effective policy is the aggregation of any policies the account inherits, plus any policy directly attached to the account.

Contents

LastUpdatedTimestamp

The time of the last update to this policy.

Type: Timestamp

Required: No

PolicyContent

The text content of the policy.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: No

PolicyType

The policy type.

Type: String

Valid Values: `TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: No

TargetId

The account ID of the policy target.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EffectivePolicyValidationError

Contains details about the validation errors that occurred when generating or enforcing an effective policy, such as which policies contributed to the error and location of the error.

Contents

ContributingPolicies

The individual policies inherited and attached to the account which contributed to the validation error.

Type: Array of strings

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: No

ErrorCode

The error code for the validation error. For example, `ELEMENTS_TOO_MANY`.

Type: String

Required: No

ErrorMessage

The error message for the validation error.

Type: String

Required: No

PathToError

The path within the effective policy where the validation error occurred.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnabledServicePrincipal

A structure that contains details of a service principal that represents an AWS service that is enabled to integrate with AWS Organizations.

Contents

DateEnabled

The date that the service principal was enabled for integration with AWS Organizations.

Type: Timestamp

Required: No

ServicePrincipal

The name of the service principal. This is typically in the form of a URL, such as: *servicename*.amazonaws.com.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: [\w+=,.@-]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Handshake

Contains details for a handshake. A handshake is the secure exchange of information between two AWS accounts: a sender and a recipient.

Note: Handshakes that are `CANCELED`, `ACCEPTED`, `DECLINED`, or `EXPIRED` show up in lists for only 30 days after entering that state After that they are deleted.

Contents

Action

The type of handshake:

- **INVITE**: Handshake sent to a standalone account requesting that it to join the sender's organization.
- **ENABLE_ALL_FEATURES**: Handshake sent to invited member accounts to enable all features for the organization.
- **APPROVE_ALL_FEATURES**: Handshake sent to the management account when all invited member accounts have approved to enable all features.
- **TRANSFER_RESPONSIBILITY**: Handshake sent to another organization's management account requesting that it designate the sender with the specified responsibilities for recipient's organization.

Type: String

Valid Values: `INVITE | ENABLE_ALL_FEATURES | APPROVE_ALL_FEATURES | ADD_ORGANIZATIONS_SERVICE_LINKED_ROLE | TRANSFER_RESPONSIBILITY`

Required: No

Arn

Amazon Resource Name (ARN) for the handshake.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:handshake\/o-[a-z0-9]{10,32}\/[a-z_]{1,32}\/h-[0-9a-z]{8,32}`

Required: No

ExpirationTimestamp

Timestamp when the handshake expires.

Type: Timestamp

Required: No

Id

ID for the handshake.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: No

Parties

An array of `HandshakeParty` objects. Contains details for participant in a handshake.

Type: Array of HandshakeParty objects

Required: No

RequestedTimestamp

Timestamp when the handshake request was made.

Type: Timestamp

Required: No

Resources

An array of `HandshakeResource` objects. When needed, contains additional details for a handshake. For example, the email address for the sender.

Type: Array of HandshakeResource objects

Required: No

State

Current state for the handshake.

- **REQUESTED**: Handshake awaiting a response from the recipient.
- **OPEN**: Handshake sent to multiple recipients and all recipients have responded. The sender can now complete the handshake action.
- **CANCELED**: Handshake canceled by the sender.
- **ACCEPTED**: Handshake accepted by the recipient.
- **DECLINED**: Handshake declined by the recipient.
- **EXPIRED**: Handshake has expired.

Type: String

Valid Values: `REQUESTED | OPEN | CANCELED | ACCEPTED | DECLINED | EXPIRED`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HandshakeFilter

Contains the filter used to select the handshakes for an operation.

Contents

ActionType

The type of handshake.

If you specify `ActionType`, you cannot also specify `ParentHandshakeId`.

Type: String

Valid Values: `INVITE | ENABLE_ALL_FEATURES | APPROVE_ALL_FEATURES | ADD_ORGANIZATIONS_SERVICE_LINKED_ROLE | TRANSFER_RESPONSIBILITY`

Required: No

ParentHandshakeId

The parent handshake. Only used for handshake types that are a child of another type.

If you specify `ParentHandshakeId`, you cannot also specify `ActionType`.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

HandshakeParty

Contains details for a participant in a handshake.

Contents

Id

ID for the participant: Acccount ID, organization ID, or email address.

The regex pattern for handshake ID string requires "h-" followed by from 8 to 32 lowercase letters or digits.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[\s\S]*`

Required: Yes

Type

The type of ID for the participant.

> **Note**
>
> ORGANIZATION is valid only in the response context (identifying the inviting organization). Valid input values for the Target parameter are ACCOUNT and EMAIL only.

Type: String

Valid Values: `ACCOUNT | ORGANIZATION | EMAIL`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HandshakeResource

Contains additional details for a handshake.

Contents

Resources

An array of `HandshakeResource` objects. When needed, contains additional details for a handshake. For example, the email address for the sender.

Type: Array of HandshakeResource objects

Required: No

Type

The type of information being passed, specifying how the value is to be interpreted by the other party:

- **ACCOUNT**: ID for an AWS account.
- **ORGANIZATION**: ID for an organization.
- **EMAIL**: Email address for the recipient.
- **OWNER_EMAIL**: Email address for the sender.
- **OWNER_NAME**: Name of the sender.
- **NOTES**: Additional text included by the sender for the recipient.

Type: String

Valid Values: `ACCOUNT | ORGANIZATION | ORGANIZATION_FEATURE_SET | EMAIL | MASTER_EMAIL | MASTER_NAME | NOTES | PARENT_HANDSHAKE | RESPONSIBILITY_TRANSFER | TRANSFER_START_TIMESTAMP | TRANSFER_TYPE | MANAGEMENT_ACCOUNT | MANAGEMENT_EMAIL | MANAGEMENT_NAME`

Required: No

Value

Additional information for the handshake. The format of the value string must match the requirements of the specified type.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Organization

Contains details about an organization. An organization is a collection of accounts that are centrally managed together using consolidated billing, organized hierarchically with organizational units (OUs), and controlled with policies .

Contents

Arn

The Amazon Resource Name (ARN) of an organization.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:organization\/o-[a-z0-9]{10,32}`

Required: No

AvailablePolicyTypes

> **Important**
>
> Do not use. This field is deprecated and doesn't provide complete information about the policies in your organization.

To determine the policies that are enabled and available for use in your organization, use the ListRoots operation instead.

Type: Array of PolicyTypeSummary objects

Required: No

FeatureSet

Specifies the functionality that currently is available to the organization. If set to "ALL", then all features are enabled and policies can be applied to accounts in the organization. If set to "CONSOLIDATED_BILLING", then only consolidated billing functionality is available. For more

information, see Enabling all features in your organization in the *AWS Organizations User Guide*.

Type: String

Valid Values: `ALL | CONSOLIDATED_BILLING`

Required: No

Id

The unique identifier (ID) of an organization.

The regex pattern for an organization ID string requires "o-" followed by from 10 to 32 lowercase letters or digits.

Type: String

Pattern: `^o-[a-z0-9]{10,32}$`

Required: No

MasterAccountArn

The Amazon Resource Name (ARN) of the account that is designated as the management account for the organization.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:account\/o-[a-z0-9]{10,32}\/\d{12}`

Required: No

MasterAccountEmail

The email address that is associated with the AWS account that is designated as the management account for the organization.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `[^\s@]+@[^\s@]+\.[^\s@]+`

Required: No

MasterAccountId

The unique identifier (ID) of the management account of an organization.

The regex pattern for an account ID string requires exactly 12 digits.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

OrganizationalUnit

Contains details about an organizational unit (OU). An OU is a container of AWS accounts within a root of an organization. Policies that are attached to an OU apply to all accounts contained in that OU and in any child OUs.

Contents

Arn

The Amazon Resource Name (ARN) of this OU.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:ou\/o-[a-z0-9]{10,32}\/ou-[0-9a-z]{4,32}-[0-9a-z]{8,32}`

Required: No

Id

The unique identifier (ID) associated with this OU. The ID is unique to the organization only.

The regex pattern for an organizational unit ID string requires "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that contains the OU). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 68.

Pattern: `^ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}$`

Required: No

Name

The friendly name of this OU.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: No

Path

The path in the organization where this OU exists.

Type: String

Pattern: `^(o-[a-z0-9]{10,32}\/r-[0-9a-z]{4,32}(\/ou\-[0-9a-z]{4,32}-[a-z0-9]{8,32})*(\/\d{12})*)\/`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Parent

Contains information about either a root or an organizational unit (OU) that can contain OUs or accounts in an organization.

Contents

Id

The unique identifier (ID) of the parent entity.

The regex pattern for a parent ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: No

Type

The type of the parent entity.

Type: String

Valid Values: `ROOT | ORGANIZATIONAL_UNIT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Policy

Contains rules to be applied to the affected accounts. Policies can be attached directly to accounts, or to roots and OUs to affect all accounts in those hierarchies.

Contents

Content

The text content of the policy.

Type: String

Length Constraints: Minimum length of 1.

Pattern: `[\s\S]*`

Required: No

PolicySummary

A structure that contains additional details about the policy.

Type: PolicySummary object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PolicySummary

Contains information about a policy, but does not include the content. To see the content of a policy, see DescribePolicy.

Contents

Arn

The Amazon Resource Name (ARN) of the policy.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^(arn:aws:organizations::\d{12}:policy\/o-[a-z0-9]{10,32}\/[0-9a-z_]+\/p-[0-9a-z]{10,32})|(arn:aws:organizations::aws:policy\/[0-9a-z_]+\/p-[0-9a-zA-Z_]{10,128})`

Required: No

AwsManaged

A boolean value that indicates whether the specified policy is an AWS managed policy. If true, then you can attach the policy to roots, OUs, or accounts, but you cannot edit it.

Type: Boolean

Required: No

Description

The description of the policy.

Type: String

Length Constraints: Maximum length of 512.

Pattern: `[\s\S]*`

Required: No

Id

The unique identifier (ID) of the policy.

The regex pattern for a policy ID string requires "p-" followed by from 8 to 128 lowercase or uppercase letters, digits, or the underscore character (_).

Type: String

Length Constraints: Maximum length of 130.

Pattern: `^p-[0-9a-zA-Z_]{8,128}$`

Required: No

Name

The friendly name of the policy.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `[\s\S]*`

Required: No

Type

The type of policy.

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PolicyTargetSummary

Contains information about a root, OU, or account that a policy is attached to.

Contents

Arn

The Amazon Resource Name (ARN) of the policy target.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::.+:.+`

Required: No

Name

The friendly name of the policy target.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

TargetId

The unique identifier (ID) of the policy target.

The regex pattern for a target ID string requires one of the following:

- **Root** - A string that begins with "r-" followed by from 4 to 32 lowercase letters or digits.
- **Account** - A string that consists of exactly 12 digits.
- **Organizational unit (OU)** - A string that begins with "ou-" followed by from 4 to 32 lowercase letters or digits (the ID of the root that the OU is in). This string is followed by a second "-" dash and from 8 to 32 additional lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 100.

Pattern: `^(r-[0-9a-z]{4,32})|(\d{12})|(ou-[0-9a-z]{4,32}-[a-z0-9]{8,32})$`

Required: No

Type

The type of the policy target.

Type: String

Valid Values: `ACCOUNT | ORGANIZATIONAL_UNIT | ROOT`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PolicyTypeSummary

Contains information about a policy type and its status in the associated root.

Contents

Status

The status of the policy type as it relates to the associated root. To attach a policy of the specified type to a root or to an OU or account in that root, it must be available in the organization and enabled for that root.

Type: String

Valid Values: `ENABLED | PENDING_ENABLE | PENDING_DISABLE`

Required: No

Type

The name of the policy type.

Type: String

Valid Values: `SERVICE_CONTROL_POLICY | RESOURCE_CONTROL_POLICY | TAG_POLICY | BACKUP_POLICY | AISERVICES_OPT_OUT_POLICY | CHATBOT_POLICY | DECLARATIVE_POLICY_EC2 | SECURITYHUB_POLICY | INSPECTOR_POLICY | UPGRADE_ROLLOUT_POLICY | BEDROCK_POLICY | S3_POLICY | NETWORK_SECURITY_DIRECTOR_POLICY | GUARDDUTY_POLICY`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourcePolicy

A structure that contains details about a resource policy.

Contents

Content

The policy text of the resource policy.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 40000.

Pattern: `[\s\S]*`

Required: No

ResourcePolicySummary

A structure that contains resource policy ID and Amazon Resource Name (ARN).

Type: ResourcePolicySummary object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResourcePolicySummary

A structure that contains resource policy ID and Amazon Resource Name (ARN).

Contents

Arn

The Amazon Resource Name (ARN) of the resource policy.

Type: String

Pattern: `^arn:[a-z0-9][a-z0-9-.]{0,62}:organizations::\d{12}:resourcepolicy\/o-[a-z0-9]{10,32}\/rp-[0-9a-zA-Z_]{4,128}`

Required: No

Id

The unique identifier (ID) of the resource policy.

Type: String

Length Constraints: Maximum length of 131.

Pattern: `^rp-[0-9a-zA-Z_]{4,128}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResponsibilityTransfer

Contains details for a transfer. A *transfer* is the arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

Contents

ActiveHandshakeId

ID for the handshake of the transfer.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^h-[0-9a-z]{8,32}$`

Required: No

Arn

Amazon Resource Name (ARN) for the transfer.

Type: String

Pattern: `^arn:[a-z0-9][a-z0-9-.]{0,62}:organizations::\d{12}:transfer\/o-[a-z0-9]{10,32}\/(billing)\/(inbound|outbound)\/rt-[0-9a-z]{8,32}$`

Required: No

EndTimestamp

Timestamp when the transfer ends.

Type: Timestamp

Required: No

Id

ID for the transfer.

Type: String

Pattern: `^rt-[0-9a-z]{8,32}$`

Required: No

Name

Name assigned to the transfer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^[ -~]+$`

Required: No

Source

Account that allows another account external to its organization to manage the specified responsibilities for the organization.

Type: TransferParticipant object

Required: No

StartTimestamp

Timestamp when the transfer starts.

Type: Timestamp

Required: No

Status

Status for the transfer.

Type: String

Valid Values: `REQUESTED | DECLINED | CANCELED | EXPIRED | ACCEPTED | WITHDRAWN`

Required: No

Target

Account that manages the specified responsibilities for another organization.

Type: TransferParticipant object

Required: No

Type

The type of transfer. Currently, only `BILLING` is supported.

Type: String

Valid Values: `BILLING`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Root

Contains details about a root. A root is a top-level parent node in the hierarchy of an organization that can contain organizational units (OUs) and accounts. The root contains every AWS account in the organization.

Contents

Arn

The Amazon Resource Name (ARN) of the root.

For more information about ARNs in Organizations, see ARN Formats Supported by Organizations in the *AWS Service Authorization Reference*.

Type: String

Pattern: `^arn:aws:organizations::\d{12}:root\/o-[a-z0-9]{10,32}\/r-[0-9a-z]{4,32}`

Required: No

Id

The unique identifier (ID) for the root. The ID is unique to the organization only.

The regex pattern for a root ID string requires "r-" followed by from 4 to 32 lowercase letters or digits.

Type: String

Length Constraints: Maximum length of 34.

Pattern: `^r-[0-9a-z]{4,32}$`

Required: No

Name

The friendly name of the root.

The regex pattern that is used to validate this parameter is a string of any of the characters in the ASCII character range.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: No

PolicyTypes

The types of policies that are currently enabled for the root and therefore can be attached to the root or to its OUs or accounts.

> **Note**
>
> Even if a policy type is shown as available in the organization, you can separately enable and disable them at the root level by using EnablePolicyType and DisablePolicyType. Use DescribeOrganization to see the availability of the policy types in that organization.

Type: Array of PolicyTypeSummary objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Tag

A custom key-value pair associated with a resource within your organization.

You can attach tags to any of the following organization resources.

- AWS account
- Organizational unit (OU)
- Organization root
- Policy

Contents

Key

The key identifier, or name, of the tag.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: Yes

Value

The string value that's associated with the key of the tag. You can set the value of a tag to an empty string, but you can't set the value of a tag to null.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `^([\p{L}\p{Z}\p{N}_.:/=+\-@]*)$`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TransferParticipant

Contains details for a participant in a transfer. A *transfer* is the arrangement between two management accounts where one account designates the other with specified responsibilities for their organization.

Contents

ManagementAccountEmail

Email address for the management account.

Type: String

Length Constraints: Minimum length of 6. Maximum length of 64.

Pattern: `[^\s@]+@[^\s@]+\.[^\s@]+`

Required: No

ManagementAccountId

ID for the management account.

Type: String

Length Constraints: Maximum length of 12.

Pattern: `^\d{12}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400