API Reference

AWS Account Management

API Version 2021-02-01

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AWS Account Management: 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

The API operations in the Account Management (`account`) namespace enable you to modify your AWS account.

Every AWS account supports metadata with information about the account, including information about up to three alternate contacts associated with the account. These are in addition to the email address associated with the root user of the account. You can specify only one of each of the following contact types associated with an account.

- Billing contact
- Operations contact
- Security contact

By default, the API operations discussed in this guide apply directly to the account that calls the operation. The identity in the account that is calling the operation is typically an IAM role or IAM user and must have permission applied by an IAM policy to call the API operation. Alternatively, you can call these API operations from an identity in an AWS Organizations management account and specify the account ID number for any AWS account that is a member of the organization.

API version

This version of the Accounts API Reference documents the Account Management API version 2021-02-01.

> **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 Account Management. 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 the Account Management service. However, you also can use the Account Management Query API to make direct calls to the Account Management web service. To learn more about the Account Management Query API, see Calling the API by making HTTP Query requests in the AWS Account Management Reference Guide. Account Management supports GET and POST requests for all actions. That is, the API does not 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, you must 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 do not 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 privileges. As another option, use AWS Security Token Service 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 do not 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 indicates this requirement. For more information, see Signing AWS API requests in the *IAM User Guide*.

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.

Support and feedback for Account Management

We welcome your feedback. Send your comments to feedback-awsaccounts@amazon.com or post your feedback and questions in the Account Management support forum. For more information about the AWS support forums, see Forums Help.

How examples are presented

The JSON returned by Account Management in response to your requests is a single long string without line breaks or formatting whitespace. Both line breaks and whitespace are shown in the examples in this guide 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. You should always submit the input as a single JSON text string.

Recording API Requests

Account Management supports 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 were successfully made to Account Management, who made the request, when it was made, and so on. For more about Account Management and its support for CloudTrail, see Logging AWS Account Management API calls using AWS CloudTrail. 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:

- AcceptPrimaryEmailUpdate
- DeleteAlternateContact
- DisableRegion
- EnableRegion
- GetAccountInformation
- GetAlternateContact
- GetContactInformation
- GetGovCloudAccountInformation
- GetPrimaryEmail
- GetPrimaryEmailUpdateStatus
- GetRegionOptStatus
- ListRegions
- PutAccountName
- PutAlternateContact
- PutContactInformation
- SendPhoneNumberVerification
- StartPrimaryEmailUpdate
- VerifyPhoneNumber

AcceptPrimaryEmailUpdate

Accepts the request that originated from StartPrimaryEmailUpdate to update the primary email address (also known as the root user email address) for the specified account.

Request Syntax

```
POST /acceptPrimaryEmailUpdate HTTP/1.1
Content-type: application/json

{
   "AccountId": "string",
   "Otp": "string",
   "PrimaryEmail": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

This operation can only be called from the management account or the delegated administrator account of an organization for a member account.

> **Note**
>
> The management account can't specify its own `AccountId`.

Type: String

Pattern: `\d{12}`

Required: Yes

Otp

The OTP code sent to the `PrimaryEmail` specified on the `StartPrimaryEmailUpdate` API call.

Type: String

Pattern: `[a-zA-Z0-9]{6}`

Required: Yes

PrimaryEmail

The new primary email address for use with the specified account. This must match the `PrimaryEmail` from the `StartPrimaryEmailUpdate` API call.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 64.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "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.

Status

Retrieves the status of the accepted primary email update request.

Type: String

Valid Values: `PENDING | ACCEPTED | COMPLETED | FAILED`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

DeleteAlternateContact

Deletes the specified alternate contact from an AWS account.

For complete details about how to use the alternate contact operations, see Update the alternate contacts for your AWS account.

> **Note**
>
> Before you can update the alternate contact information for an AWS account that is managed by AWS Organizations, you must first enable integration between AWS Account Management and Organizations. For more information, see Enable trusted access for AWS Account Management.

Request Syntax

```
POST /deleteAlternateContact HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

AlternateContactType

Specifies which of the alternate contacts to delete.

Type: String

Valid Values: `BILLING | OPERATIONS | SECURITY`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example deletes the security alternate contact for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.DeleteAlternateContact

{
   "AccountName":"MyAccount"
}
```

Sample Response

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

Example 2

The following example deletes the billing alternate contact for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.DeleteAlternateContact

{
   "AccountId":"123456789012",
   "AlternateContactType":"BILLING"
}
```

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

DisableRegion

Disables (opts-out) a particular Region for an account.

> **Note**
>
> The act of disabling a Region will remove all IAM access to any resources that reside in that Region.

Request Syntax

```
POST /disableRegion HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

RegionName

Specifies the Region-code for a given Region name (for example, `af-south-1`). When you disable a Region, AWS performs actions to deactivate that Region in your account, such as destroying IAM resources in the Region. This process takes a few minutes for most accounts, but this can take several hours. You cannot enable the Region until the disabling process is fully completed.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

EnableRegion

Enables (opts-in) a particular Region for an account.

Request Syntax

```
POST /enableRegion HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

RegionName

Specifies the Region-code for a given Region name (for example, `af-south-1`). When you enable a Region, AWS performs actions to prepare your account in that Region, such as distributing your IAM resources to the Region. This process takes a few minutes for most accounts, but it can take several hours. You cannot use the Region until this process is complete. Furthermore, you cannot disable the Region until the enabling process is fully completed.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

GetAccountInformation

Retrieves information about the specified account including its account name, account ID, account creation date and time, and account state. To use this API, an IAM user or role must have the `account:GetAccountInformation` IAM permission.

Request Syntax

```
POST /getAccountInformation HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccountCreatedDate": "string",
   "AccountId": "string",
   "AccountName": "string",
   "AccountState": "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.

AccountCreatedDate

The date and time the account was created.

Type: Timestamp

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

This operation can only be called from the management account or the delegated administrator account of an organization for a member account.

> **Note**
>
> The management account can't specify its own `AccountId`.

Type: String

Pattern: `\d{12}`

AccountName

The name of the account.

Type: String

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

Pattern: `[ -;=?-~]+`

AccountState

The state of the account. Each account 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.

Type: String

Valid Values: `PENDING_ACTIVATION | ACTIVE | SUSPENDED | CLOSED`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example retrieves the account information for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetAccountInformation

{}
```

Sample Response

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

{
   "AccountId": "123456789012",
   "AccountName": "MyAccount",
   "AccountCreatedDate": "2020-11-30T17:44:37Z",
   "AccountState": "ACTIVE"
}
```

Example 2

The following example retrieves the account information for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
```

```
X-Amz-Target: AWSAccountV20210201.GetAccountInformation

{
   "AccountId": "123456789012"
}
```

Sample Response

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

{
   "AccountId": "123456789012",
   "AccountName": "MyMemberAccount",
   "AccountCreatedDate": "2020-11-30T17:44:37Z",
   "AccountState": "ACTIVE"
}
```

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

GetAlternateContact

Retrieves the specified alternate contact attached to an AWS account.

For complete details about how to use the alternate contact operations, see Update the alternate contacts for your AWS account.

> **Note**
>
> Before you can update the alternate contact information for an AWS account that is managed by AWS Organizations, you must first enable integration between AWS Account Management and Organizations. For more information, see Enable trusted access for AWS Account Management.

Request Syntax

```
POST /getAlternateContact HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

AlternateContactType

Specifies which alternate contact you want to retrieve.

Type: String

Valid Values: `BILLING | OPERATIONS | SECURITY`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AlternateContact": {
      "AlternateContactType": "string",
      "EmailAddress": "string",
      "Name": "string",
```

```
        "PhoneNumber": "string",
        "Title": "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.

AlternateContact

A structure that contains the details for the specified alternate contact.

Type: AlternateContact object

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example retrieves the security alternate contact for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetAlternateContact
```

```
{
   "AlternateContactType":"SECURITY"
}
```

Sample Response

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

{
   "AlternateContact":{
      "Name":"Anika",
      "Title":"COO",
      "EmailAddress":"anika@example.com",
      "PhoneNumber":"206-555-0198",
      "AlternateContactType":"Security"
   }
}
```

Example 2

The following example retrieves the operations alternate contact for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetAlternateContact

{
   "AccountId":"123456789012",
   "AlternateContactType":"Operations"
}
```

Sample Response

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

{
```

```
    "AlternateContact":{
       "Name":"Anika",
       "Title":"COO",
       "EmailAddress":"anika@example.com",
       "PhoneNumber":"206-555-0198",
       "AlternateContactType":"Operations"
    }
}
```

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

GetContactInformation

Retrieves the primary contact information of an AWS account.

For complete details about how to use the primary contact operations, see Update the primary contact for your AWS account.

Request Syntax

```
POST /getContactInformation HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: \d{12}

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ContactInformation": {
      "AddressLine1": "string",
      "AddressLine2": "string",
      "AddressLine3": "string",
      "City": "string",
      "CompanyName": "string",
      "CountryCode": "string",
      "DistrictOrCounty": "string",
      "FullName": "string",
      "PhoneNumber": "string",
      "PostalCode": "string",
      "StateOrRegion": "string",
      "WebsiteUrl": "string"
   },
   "VerificationStatus": "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.

ContactInformation

Contains the details of the primary contact information associated with an AWS account.

Type: ContactInformation object

VerificationStatus

The verification status of the primary contact phone number that is currently associated with the account. Valid values:

- `VERIFIED`: The phone number currently on file is verified.
- `UNVERIFIED`: The phone number currently on file isn't verified. If you change the phone number, the status describes the new number.
- `NOT_SUPPORTED`: Phone number verification isn't available for this account.

This operation doesn't return `PENDING`. After you call SendPhoneNumberVerification, the status remains `UNVERIFIED` until VerifyPhoneNumber succeeds. In partitions where phone number verification isn't offered, the response doesn't include this field.

Type: String

Valid Values: `PENDING | VERIFIED | UNVERIFIED | NOT_SUPPORTED`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

GetGovCloudAccountInformation

Retrieves information about the GovCloud account linked to the specified standard account (if it exists) including the GovCloud account ID and state. To use this API, an IAM user or role must have the `account:GetGovCloudAccountInformation` IAM permission.

Request Syntax

```
POST /getGovCloudAccountInformation HTTP/1.1
Content-type: application/json

{
   "StandardAccountId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

StandardAccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "AccountState": "string",
   "GovCloudAccountId": "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.

AccountState

The account state of the linked GovCloud account.

Type: String

Valid Values: `PENDING_ACTIVATION | ACTIVE | SUSPENDED | CLOSED`

GovCloudAccountId

The 12-digit account ID number of the linked GovCloud account.

Type: String

Pattern: `\d{12}`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

ResourceUnavailableException

The operation failed because it specified a resource that is not currently available.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 424

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example retrieves the linked GovCloud account information for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetGovCloudAccountInformation
```

```
{}
```

Sample Response

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

{
   "GovCloudAccountId": "123456789012",
   "AccountState": "ACTIVE"
}
```

Example 2

The following example retrieves the linked GovCloud account information for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetGovCloudAccountInformation

{
   "StandardAccountId": "111111111111"
}
```

Sample Response

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

{
   "GovCloudAccountId": "123456789012",
   "AccountState": "ACTIVE"
}
```

Example 3

The following example attempts to retrieve the linked GovCloud account information for a standard account that is not linked to a GovCloud account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.GetGovCloudAccountInformation

{
   "StandardAccountId": "222222222222"
}
```

Sample Response

```
HTTP/1.1 404
Content-Type: application/json

{
   "message":"GovCloud Account ID not found for Standard Account - 222222222222."
}
```

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

GetPrimaryEmail

Retrieves the primary email address for the specified account.

Request Syntax

```
POST /getPrimaryEmail HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

This operation can only be called from the management account or the delegated administrator account of an organization for a member account.

> **Note**
>
> The management account can't specify its own `AccountId`.

Type: String

Pattern: \d{12}

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "PrimaryEmail": "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.

PrimaryEmail

Retrieves the primary email address associated with the specified account.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 64.

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

GetPrimaryEmailUpdateStatus

Request Syntax

```
POST /getPrimaryEmailUpdateStatus HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

This operation can only be called from the management account or the delegated administrator account of an organization for a member account.

> **Note**
>
> The management account can't specify its own `AccountId`.

Type: String

Pattern: `\d{12}`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Status": "string",
   "UpdatedAt": number
}
```

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.

Status

Type: String

Valid Values: `PENDING | ACCEPTED | COMPLETED | FAILED`

UpdatedAt

The date and time that the most recent primary email update status was last changed.

Type: Timestamp

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

GetRegionOptStatus

Retrieves the opt-in status of a particular Region.

Request Syntax

```
POST /getRegionOptStatus HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

RegionName

Specifies the Region-code for a given Region name (for example, `af-south-1`). This function will return the status of whatever Region you pass into this parameter.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RegionName": "string",
   "RegionOptStatus": "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.

RegionName

The Region code that was passed in.

Type: String

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

RegionOptStatus

One of the potential statuses a Region can undergo (Enabled, Enabling, Disabled, Disabling, Enabled_By_Default).

Type: String

Valid Values: `ENABLED | ENABLING | DISABLING | DISABLED | ENABLED_BY_DEFAULT`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

ListRegions

Lists all the Regions for a given account and their respective opt-in statuses. Optionally, this list can be filtered by the `region-opt-status-contains` parameter.

Request Syntax

```
POST /listRegions HTTP/1.1
Content-type: application/json

{
   "AccountId": "string",
   "MaxResults": number,
   "NextToken": "string",
   "RegionOptStatusContains": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

MaxResults

The total number of items to return in the command's output. If the total number of items available is more than the value specified, a `NextToken` is provided in the command's output. To resume pagination, provide the `NextToken` value in the `starting-token` argument of a subsequent command. Do not use the `NextToken` response element directly outside of the AWS CLI. For usage examples, see Pagination in the *AWS Command Line Interface User Guide*.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 50.

Required: No

NextToken

A token used to specify where to start paginating. This is the `NextToken` from a previously truncated response. For usage examples, see Pagination in the *AWS Command Line Interface User Guide*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1000.

Required: No

RegionOptStatusContains

A list of Region statuses (Enabling, Enabled, Disabling, Disabled, Enabled_by_default) to use to filter the list of Regions for a given account. For example, passing in a value of ENABLING will only return a list of Regions with a Region status of ENABLING.

Type: Array of strings

Valid Values: `ENABLED | ENABLING | DISABLING | DISABLED | ENABLED_BY_DEFAULT`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Regions": [
      {
         "RegionName": "string",
         "RegionOptStatus": "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 there is more data to be returned, this will be populated. It should be passed into the `next-token` request parameter of `list-regions`.

Type: String

Regions

This is a list of Regions for a given account, or if the filtered parameter was used, a list of Regions that match the filter criteria set in the `filter` parameter.

Type: Array of Region objects

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

PutAccountName

Updates the account name of the specified account. To use this API, IAM principals must have the `account:PutAccountName` IAM permission.

Request Syntax

```
POST /putAccountName HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

AccountName

The name of the account.

Type: String

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

Pattern: `[ -;=?-~]+`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example updates the name for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.PutAccountName

{
   "AccountName":"MyAccount"
}
```

Sample Response

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

Example 2

The following example updates the account name for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.PutAccountName

{
   "AccountId": "123456789012",
   "AccountName": "MyMemberAccount"
}
```

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

PutAlternateContact

Modifies the specified alternate contact attached to an AWS account.

For complete details about how to use the alternate contact operations, see Update the alternate contacts for your AWS account.

> **Note**
>
> Before you can update the alternate contact information for an AWS account that is managed by AWS Organizations, you must first enable integration between AWS Account Management and Organizations. For more information, see Enable trusted access for AWS Account Management.

Request Syntax

```
POST /putAlternateContact HTTP/1.1
Content-type: application/json

{
   "AccountId": "string",
   "AlternateContactType": "string",
   "EmailAddress": "string",
   "Name": "string",
   "PhoneNumber": "string",
   "Title": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

AlternateContactType

Specifies which alternate contact you want to create or update.

Type: String

Valid Values: `BILLING | OPERATIONS | SECURITY`

Required: Yes

EmailAddress

Specifies an email address for the alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[\s]*[\w+=.#|!&-]+@[\w.-]+\.[\w]+[\s]*`

Required: Yes

Name

Specifies a name for the alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

PhoneNumber

Specifies a phone number for the alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[\s0-9()+-]+`

Required: Yes

Title

Specifies a title for the alternate contact.

Type: String

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

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example sets the billing alternate contact for the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.PutAlternateContact

{
    "AlternateContactType": "Billing",
    "Name": "Carlos Salazar",
    "Title": "CFO",
    "EmailAddress": "carlos@example.com",
    "PhoneNumber": "206-555-0199"
}
```

Sample Response

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

Example 2

The following example sets or overwrites the billing alternate contact for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
```

```
X-Amz-Target: AWSAccountV20210201.PutAlternateContact

{
    "AccountId": "123456789012",
    "AlternateContactType": "Billing",
    "Name": "Carlos Salazar",
    "Title": "CFO",
    "EmailAddress": "carlos@example.com",
    "PhoneNumber": "206-555-0199"
}
```

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

PutContactInformation

Updates the primary contact information of an AWS account.

Changing the phone number doesn't send a verification code. To verify the new phone number, call SendPhoneNumberVerification.

For complete details about how to use the primary contact operations, see Update the primary contact for your AWS account.

Request Syntax

```
POST /putContactInformation HTTP/1.1
Content-type: application/json

{
   "AccountId": "string",
   "ContactInformation": {
      "AddressLine1": "string",
      "AddressLine2": "string",
      "AddressLine3": "string",
      "City": "string",
      "CompanyName": "string",
      "CountryCode": "string",
      "DistrictOrCounty": "string",
      "FullName": "string",
      "PhoneNumber": "string",
      "PostalCode": "string",
      "StateOrRegion": "string",
      "WebsiteUrl": "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. If you don't specify this parameter, it defaults to the Amazon Web Services account of the identity used to call the operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`. It must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, don't specify this parameter. Instead, call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

ContactInformation

Contains the details of the primary contact information associated with an AWS account.

Type: ContactInformation object

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

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

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

SendPhoneNumberVerification

Sends a one-time passcode (OTP) by SMS to the primary contact phone number that is currently associated with the specified AWS account, to begin verifying that phone number. You do not supply a phone number in the request; the operation uses the number currently on file for the account. To use this operation, you must have the `account:SendPhoneNumberVerification` IAM permission. After the code is delivered, call VerifyPhoneNumber with that code to complete verification.

For complete details about how to use the primary contact operations, see Update the primary contact for your AWS account.

Request Syntax

```
POST /sendPhoneNumberVerification HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization

must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "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.

Status

The verification status of the phone number. On a successful call, the value is `PENDING`: a verification code has been sent to the account's primary contact phone number and is awaiting entry through VerifyPhoneNumber.

Type: String

Valid Values: `PENDING | VERIFIED | UNVERIFIED | NOT_SUPPORTED`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example sends a verification code to the primary contact phone number of the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.SendPhoneNumberVerification

{}
```

Sample Response

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

{
   "Status": "PENDING"
}
```

Example 2

The following example sends a verification code for the specified member account in an organization. The code is sent to the primary contact phone number of the member account. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.SendPhoneNumberVerification

{
   "AccountId": "123456789012"
}
```

Sample Response

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

{
   "Status": "PENDING"
}
```

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

StartPrimaryEmailUpdate

Starts the process to update the primary email address for the specified account.

Request Syntax

```
POST /startPrimaryEmailUpdate HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12-digit account ID number of the AWS account that you want to access or modify with this operation. To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account. The specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated admin account assigned.

This operation can only be called from the management account or the delegated administrator account of an organization for a member account.

> **Note**
>
> The management account can't specify its own `AccountId`.

Type: String

Pattern: \d{12}

Required: Yes

PrimaryEmail

The new primary email address (also known as the root user email address) to use in the specified account.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 64.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "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.

Status

The status of the primary email update request.

Type: String

Valid Values: PENDING | ACCEPTED | COMPLETED | FAILED

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

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

VerifyPhoneNumber

Completes verification of the primary contact phone number for the specified AWS account by submitting the one-time passcode (OTP) that was delivered by SendPhoneNumberVerification. You do not supply a phone number in the request; the operation verifies the number that the code was sent to. To use this operation, you must have the `account:VerifyPhoneNumber` IAM permission.

If the primary contact phone number changes after you call SendPhoneNumberVerification, this operation returns a `ConflictException`. Call SendPhoneNumberVerification again to send a code to the current phone number. If the code is incorrect or has expired, request a new code and try again.

For complete details about how to use the primary contact operations, see Update the primary contact for your AWS account.

Request Syntax

```
POST /verifyPhoneNumber HTTP/1.1
Content-type: application/json

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AccountId

Specifies the 12 digit account ID number of the AWS account that you want to access or modify with this operation.

If you do not specify this parameter, it defaults to the AWS account of the identity used to call the operation.

To use this parameter, the caller must be an identity in the organization's management account or a delegated administrator account, and the specified account ID must be a member account in the same organization. The organization must have all features enabled, and the organization must have trusted access enabled for the Account Management service, and optionally a delegated administrator account assigned.

> **Note**
>
> The management account can't specify its own `AccountId`; it must call the operation in standalone context by not including the `AccountId` parameter.

To call this operation on an account that is not a member of an organization, then don't specify this parameter, and call the operation using an identity belonging to the account whose contacts you wish to retrieve or modify.

Type: String

Pattern: `\d{12}`

Required: No

Otp

The one-time passcode (OTP) that was sent by SMS to the account's primary contact phone number by a call to SendPhoneNumberVerification. The code expires 5 minutes after it is sent. If you call SendPhoneNumberVerification again, codes that were sent earlier no longer work.

Type: String

Pattern: `[a-zA-Z0-9]{6}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "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.

Status

The verification status of the phone number. On a successful call, the value is `VERIFIED`: the passcode matched and the account's primary contact phone number is now verified.

Type: String

Valid Values: `PENDING | VERIFIED | UNVERIFIED | NOT_SUPPORTED`

Errors

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

AccessDeniedException

The operation failed because the calling identity doesn't have the minimum required permissions.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 403

ConflictException

The request could not be processed because of a conflict in the current status of the resource. This happens in cases such as the following:

- You try to enable a Region that is currently being disabled (in a status of DISABLING).
- You try to change an account's root user email to an email address that is already in use.
- The primary contact phone number changes after you call `SendPhoneNumberVerification` and before you call `VerifyPhoneNumber`.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 409

InternalServerException

The operation failed because of an error internal to AWS. Try your operation again later.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 500

ResourceNotFoundException

The operation failed because it specified a resource that can't be found.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 404

TooManyRequestsException

The operation failed because it was called too frequently and exceeded a throttle limit.

errorType

The value populated to the `x-amzn-ErrorType` response header by API Gateway.

HTTP Status Code: 429

ValidationException

The operation failed because one of the input parameters was invalid.

fieldList

The field where the invalid entry was detected.

message

The message that informs you about what was invalid about the request.

reason

The reason that validation failed.

HTTP Status Code: 400

Examples

Example 1

The following example verifies the primary contact phone number of the account whose credentials are used to call the operation.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.VerifyPhoneNumber

{
   "Otp": "123456"
}
```

Sample Response

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

{
   "Status": "VERIFIED"
}
```

Example 2

The following example verifies the phone number for the specified member account in an organization. You must use credentials from either the organization's management account or from the Account Management service's delegated admin account.

Sample Request

```
POST / HTTP/1.1
X-Amz-Target: AWSAccountV20210201.VerifyPhoneNumber

{
   "AccountId": "123456789012",
```

```
   "Otp": "123456"
}
```

Sample Response

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

{
   "Status": "VERIFIED"
}
```

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 Account Management 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:

- AlternateContact
- ContactInformation
- Region
- ValidationExceptionField

AlternateContact

A structure that contains the details of an alternate contact associated with an AWS account

Contents

AlternateContactType

The type of alternate contact.

Type: String

Valid Values: `BILLING | OPERATIONS | SECURITY`

Required: No

EmailAddress

The email address associated with this alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 254.

Pattern: `[\s]*[\w+=.#|!&-]+@[\w.-]+\.[\w]+[\s]*`

Required: No

Name

The name associated with this alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: No

PhoneNumber

The phone number associated with this alternate contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[\s0-9()+-]+`

Required: No

Title

The title associated with this alternate contact.

Type: String

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

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

ContactInformation

Contains the details of the primary contact information associated with an AWS account.

Contents

AddressLine1

The first line of the primary contact address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 60.

Required: Yes

City

The city of the primary contact address.

Type: String

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

Required: Yes

CountryCode

The ISO-3166 two-letter country code for the primary contact address.

Type: String

Length Constraints: Fixed length of 2.

Required: Yes

FullName

The full name of the primary contact address.

Type: String

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

Required: Yes

PhoneNumber

The phone number of the primary contact information. The number will be validated and, in some countries, checked for activation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `[+][\s0-9()-]+`

Required: Yes

PostalCode

The postal code of the primary contact address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Required: Yes

AddressLine2

The second line of the primary contact address, if any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 60.

Required: No

AddressLine3

The third line of the primary contact address, if any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 60.

Required: No

CompanyName

The name of the company associated with the primary contact information, if any.

Type: String

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

Required: No

DistrictOrCounty

The district or county of the primary contact address, if any.

Type: String

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

Required: No

StateOrRegion

The state or region of the primary contact address. If the mailing address is within the United States (US), the value in this field can be either a two character state code (for example, `NJ`) or the full state name (for example, `New Jersey`). This field is required in the following countries: `US`, `CA`, `GB`, `DE`, `JP`, `IN`, and `BR`.

Type: String

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

Required: No

WebsiteUrl

The URL of the website associated with the primary contact information, if any.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

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

Region

This is a structure that expresses the Region for a given account, consisting of a name and opt-in status.

Contents

RegionName

The Region code of a given Region (for example, `us-east-1`).

Type: String

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

Required: No

RegionOptStatus

One of potential statuses a Region can undergo (Enabled, Enabling, Disabled, Disabling, Enabled_By_Default).

Type: String

Valid Values: `ENABLED | ENABLING | DISABLING | DISABLED | ENABLED_BY_DEFAULT`

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

ValidationExceptionField

The input failed to meet the constraints specified by the AWS service in a specified field.

Contents

message

A message about the validation exception.

Type: String

Required: Yes

name

The field name where the invalid entry was detected.

Type: String

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

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