Welcome

Multi-party approval

API Version 2022-07-26

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Multi-party approval: Welcome

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Welcome

Multi-party approval is a capability of AWS Organizations that allows you to protect a predefined list of operations through a distributed approval process. Use Multi-party approval to establish approval workflows and transform security processes into team-based decisions.

When to use Multi-party approval:

- You need to align with the Zero Trust principle of "never trust, always verify"
- You need to make sure that the right humans have access to the right things in the right way
- You need distributed decision-making for sensitive or critical operations
- You need to protect against unintended operations on sensitive or critical resources
- You need formal reviews and approvals for auditing or compliance reasons

For more information, see What is Multi-party approval in the *Multi-party approval User Guide*.

This document was last published on October 15, 2026.

Actions

The following actions are supported:

- CancelSession
- CreateApprovalTeam
- CreateIdentitySource
- DeleteIdentitySource
- DeleteInactiveApprovalTeamVersion
- GetApprovalTeam
- GetIdentitySource
- GetPolicyVersion
- GetResourcePolicy
- GetSession
- ListApprovalTeams
- ListIdentitySources
- ListPolicies
- ListPolicyVersions
- ListResourcePolicies
- ListSessions
- ListTagsForResource
- StartActiveApprovalTeamDeletion
- StartApprovalTeamBaseline
- TagResource
- UntagResource
- UpdateApprovalTeam

CancelSession

Cancels an approval session. For more information, see Session in the *Multi-party approval User Guide*.

Request Syntax

```
PUT /sessions/SessionArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SessionArn

Amazon Resource Name (ARN) for the session.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Required: Yes

Request Body

The request does not have a request body.

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

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

CreateApprovalTeam

Creates a new approval team. For more information, see Approval team in the *Multi-party approval User Guide*.

Request Syntax

```
POST /approval-teams HTTP/1.1
Content-type: application/json

{
   "ApprovalStrategy": { ... },
   "Approvers": [
      {
         "PrimaryIdentityId": "string",
         "PrimaryIdentitySourceArn": "string"
      }
   ],
   "ClientToken": "string",
   "Description": "string",
   "Name": "string",
   "Policies": [
      {
         "PolicyArn": "string"
      }
   ],
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ApprovalStrategy

An `ApprovalStrategy` object. Contains details for how the team grants approval.

Type: ApprovalStrategy object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Approvers

An array of `ApprovalTeamRequesterApprovers` objects. Contains details for the approvers in the team.

Type: Array of ApprovalTeamRequestApprover objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: Yes

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS populates this field.

> **Note**
>
> **What is idempotency?**
> When you make a mutating API request, the request typically returns a result before the operation's asynchronous workflows have completed. Operations might also time out or encounter other server issues before they complete, even though the request has already returned a result. This could make it difficult to determine whether the request succeeded or not, and could lead to multiple retries to ensure that the operation completes successfully. However, if the original request and the subsequent retries are successful, the operation is completed multiple times. This means that you might create more resources than you intended.
> *Idempotency* ensures that an API request completes no more than one time. With an idempotent request, if the original request completes successfully, any subsequent retries complete successfully without performing any further actions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

Description

Description for the team.

Type: String

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

Required: Yes

Name

Name of the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]+`

Required: Yes

Policies

An array of `PolicyReference` objects. Contains a list of policies that define the permissions for team resources.

Type: Array of PolicyReference objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Tags

Tags you want to attach to the team.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

Response Syntax

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

{
   "Arn": "string",
   "CreationTime": "string",
   "Name": "string",
   "VersionId": "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.

Arn

Amazon Resource Name (ARN) for the team that was created.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

CreationTime

Timestamp when the team was created.

Type: Timestamp

Name

Name of the team that was created.

Type: String

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

VersionId

Version ID for the team that was created. When a team is updated, the version ID changes.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ServiceQuotaExceededException

The request exceeds the service quota for your account. Request a quota increase or reduce your request size.

Message

Message for the `ServiceQuotaExceededException` error.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

CreateIdentitySource

Creates a new identity source. For more information, see Identity Source in the *Multi-party approval User Guide*.

Request Syntax

```
POST /identity-sources HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "IdentitySourceParameters": {
      "IamIdentityCenter": {
         "InstanceArn": "string",
         "Region": "string"
      }
   },
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If not provided, the AWS populates this field.

> **Note**
>
> **What is idempotency?**
> When you make a mutating API request, the request typically returns a result before the operation's asynchronous workflows have completed. Operations might also time

out or encounter other server issues before they complete, even though the request has already returned a result. This could make it difficult to determine whether the request succeeded or not, and could lead to multiple retries to ensure that the operation completes successfully. However, if the original request and the subsequent retries are successful, the operation is completed multiple times. This means that you might create more resources than you intended.
Idempotency ensures that an API request completes no more than one time. With an idempotent request, if the original request completes successfully, any subsequent retries complete successfully without performing any further actions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

IdentitySourceParameters

A `IdentitySourceParameters` object. Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance.

Type: IdentitySourceParameters object

Required: Yes

Tags

Tag you want to attach to the identity source.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Required: No

Response Syntax

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

```
{
   "CreationTime": "string",
   "IdentitySourceArn": "string",
   "IdentitySourceType": "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.

CreationTime

Timestamp when the identity source was created.

Type: Timestamp

IdentitySourceArn

Amazon Resource Name (ARN) for the identity source that was created.

Type: String

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

IdentitySourceType

The type of resource that provided identities to the identity source. For example, an IAM Identity Center instance.

Type: String

Valid Values: `IAM_IDENTITY_CENTER`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ServiceQuotaExceededException

The request exceeds the service quota for your account. Request a quota increase or reduce your request size.

Message

Message for the `ServiceQuotaExceededException` error.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

DeleteIdentitySource

Deletes an identity source. For more information, see Identity Source in the *Multi-party approval User Guide*.

Request Syntax

```
DELETE /identity-sources/IdentitySourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

IdentitySourceArn

Amazon Resource Name (ARN) for identity source.

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

Required: Yes

Request Body

The request does not have a request body.

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

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

DeleteInactiveApprovalTeamVersion

Deletes an inactive approval team. For more information, see Team health in the *Multi-party approval User Guide*.

You can also use this operation to delete a team draft. For more information, see Interacting with drafts in the *Multi-party approval User Guide*.

Request Syntax

```
DELETE /approval-teams/Arn/VersionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Arn

Amaazon Resource Name (ARN) for the team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

VersionId

Version ID for the team.

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

Required: Yes

Request Body

The request does not have a request body.

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

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

GetApprovalTeam

Returns details for an approval team.

Request Syntax

```
GET /approval-teams/Arn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Arn

Amazon Resource Name (ARN) for the team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ApprovalStrategy": { ... },
   "Approvers": [
      {
         "ApproverId": "string",
         "LastActivity": "string",
         "LastActivityTime": "string",
         "MfaMethods": [
            {
```

```
                "SyncStatus": "string",
                "Type": "string"
            }
        ],
        "PendingBaselineSessionArn": "string",
        "PrimaryIdentityId": "string",
        "PrimaryIdentitySourceArn": "string",
        "PrimaryIdentityStatus": "string",
        "ResponseTime": "string"
    }
],
"Arn": "string",
"CreationTime": "string",
"Description": "string",
"LastUpdateTime": "string",
"Name": "string",
"NumberOfApprovers": number,
"PendingUpdate": {
    "ApprovalStrategy": { ... },
    "Approvers": [
        {
            "ApproverId": "string",
            "LastActivity": "string",
            "LastActivityTime": "string",
            "MfaMethods": [
                {
                    "SyncStatus": "string",
                    "Type": "string"
                }
            ],
            "PendingBaselineSessionArn": "string",
            "PrimaryIdentityId": "string",
            "PrimaryIdentitySourceArn": "string",
            "PrimaryIdentityStatus": "string",
            "ResponseTime": "string"
        }
    ],
    "Description": "string",
    "NumberOfApprovers": number,
    "Status": "string",
    "StatusCode": "string",
    "StatusMessage": "string",
    "UpdateInitiationTime": "string",
    "VersionId": "string"
```

```
    },
    "Policies": [
       {
          "PolicyArn": "string"
       }
    ],
    "Status": "string",
    "StatusCode": "string",
    "StatusMessage": "string",
    "UpdateSessionArn": "string",
    "VersionId": "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.

ApprovalStrategy

An `ApprovalStrategyResponse` object. Contains details for how the team grants approval.

Type: ApprovalStrategyResponse object

Note: This object is a Union. Only one member of this object can be specified or returned.

Approvers

An array of `GetApprovalTeamResponseApprover` objects. Contains details for the approvers in the team.

Type: Array of GetApprovalTeamResponseApprover objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Arn

Amazon Resource Name (ARN) for the team.

Type: String

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

CreationTime

Timestamp when the team was created.

Type: Timestamp

Description

Description for the team.

Type: String

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

LastUpdateTime

Timestamp when the team was last updated.

Type: Timestamp

Name

Name of the approval team.

Type: String

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

NumberOfApprovers

Total number of approvers in the team.

Type: Integer

PendingUpdate

A `PendingUpdate` object. Contains details for the pending updates for the team, if applicable.

Type: PendingUpdate object

Policies

An array of `PolicyReference` objects. Contains a list of policies that define the permissions for team resources.

Type: Array of PolicyReference objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Status

Status for the team. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `ACTIVE | INACTIVE | DELETING | PENDING`

StatusCode

Status code for the approval team. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `VALIDATING | PENDING_ACTIVATION | FAILED_VALIDATION | FAILED_ACTIVATION | UPDATE_PENDING_APPROVAL | UPDATE_PENDING_ACTIVATION | UPDATE_FAILED_APPROVAL | UPDATE_FAILED_ACTIVATION | UPDATE_FAILED_VALIDATION | DELETE_PENDING_APPROVAL | DELETE_FAILED_APPROVAL | DELETE_FAILED_VALIDATION`

StatusMessage

Message describing the status for the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

UpdateSessionArn

Amazon Resource Name (ARN) for the session.

Type: String

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

VersionId

Version ID for the team.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

GetIdentitySource

Returns details for an identity source. For more information, see Identity Source in the *Multi-party approval User Guide*.

Request Syntax

```
GET /identity-sources/IdentitySourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

IdentitySourceArn

Amazon Resource Name (ARN) for the identity source.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "CreationTime": "string",
   "IdentitySourceArn": "string",
   "IdentitySourceParameters": { ... },
   "IdentitySourceType": "string",
   "Status": "string",
   "StatusCode": "string",
   "StatusMessage": "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.

CreationTime

Timestamp when the identity source was created.

Type: Timestamp

IdentitySourceArn

Amazon Resource Name (ARN) for the identity source.

Type: String

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

IdentitySourceParameters

A `IdentitySourceParameters` object. Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance.

Type: IdentitySourceParametersForGet object

Note: This object is a Union. Only one member of this object can be specified or returned.

IdentitySourceType

The type of resource that provided identities to the identity source. For example, an IAM Identity Center instance.

Type: String

Valid Values: `IAM_IDENTITY_CENTER`

Status

Status for the identity source. For example, if the identity source is `ACTIVE`.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | ERROR`

StatusCode

Status code of the identity source.

Type: String

Valid Values: `ACCESS_DENIED | DELETION_FAILED | IDC_INSTANCE_NOT_FOUND | IDC_INSTANCE_NOT_VALID`

StatusMessage

Message describing the status for the identity source.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

GetPolicyVersion

Returns details for the version of a policy. Policies define the permissions for team resources.

Request Syntax

```
GET /policy-versions/PolicyVersionArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

PolicyVersionArn

Amazon Resource Name (ARN) for the policy.

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}/(?:[\d]+|\$DEFAULT)`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "PolicyVersion": {
      "Arn": "string",
      "CreationTime": "string",
      "Document": "string",
      "IsDefault": boolean,
      "LastUpdatedTime": "string",
      "Name": "string",
```

```
        "PolicyArn": "string",
        "PolicyType": "string",
        "Status": "string",
        "VersionId": 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.

PolicyVersion

A `PolicyVersion` object. Contains details for the version of the policy. Policies define the permissions for team resources.

Type: PolicyVersion object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

GetResourcePolicy

Returns details about a policy for a resource.

Request Syntax

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

{
   "PolicyName": "string",
   "PolicyType": "string",
   "ResourceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

PolicyName

Name of the policy.

Type: String

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

Required: Yes

PolicyType

The type of policy.

Type: String

Valid Values: `AWS_MANAGED | AWS_RAM`

Required: Yes

ResourceArn

Amazon Resource Name (ARN) for the resource.

Type: String

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

Required: Yes

Response Syntax

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

{
   "PolicyDocument": "string",
   "PolicyName": "string",
   "PolicyType": "string",
   "PolicyVersionArn": "string",
   "ResourceArn": "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.

PolicyDocument

Document that contains the contents for the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 400000.

PolicyName

Name of the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

PolicyType

The type of policy

Type: String

Valid Values: `AWS_MANAGED` | `AWS_RAM`

PolicyVersionArn

Amazon Resource Name (ARN) for the policy version.

Type: String

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

ResourceArn

Amazon Resource Name (ARN) for the resource.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InvalidParameterException

The request contains an invalid parameter value.

Message

Message for the `InvalidParameterException` error.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

GetSession

Returns details for an approval session. For more information, see Session in the *Multi-party approval User Guide*.

Request Syntax

```
GET /sessions/SessionArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

SessionArn

Amazon Resource Name (ARN) for the session.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ActionCompletionStrategy": "string",
   "ActionName": "string",
   "AdditionalSecurityRequirements": [ "string" ],
   "ApprovalStrategy": { ... },
   "ApprovalTeamArn": "string",
```

```
    "ApprovalTeamName": "string",
    "ApproverResponses": [
       {
          "ApproverId": "string",
          "IdentityId": "string",
          "IdentitySourceArn": "string",
          "Response": "string",
          "ResponseTime": "string"
       }
    ],
    "CompletionTime": "string",
    "Description": "string",
    "ExecutionStatus": "string",
    "ExpirationTime": "string",
    "InitiationTime": "string",
    "Metadata": {
       "string" : "string"
    },
    "NumberOfApprovers": number,
    "ProtectedResourceArn": "string",
    "RequesterAccountId": "string",
    "RequesterComment": "string",
    "RequesterPrincipalArn": "string",
    "RequesterRegion": "string",
    "RequesterServicePrincipal": "string",
    "SessionArn": "string",
    "Status": "string",
    "StatusCode": "string",
    "StatusMessage": "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.

ActionCompletionStrategy

Strategy for executing the protected operation. `AUTO_COMPLETION_UPON_APPROVAL` means the operation is automatically executed using the requester's permissions, if approved.

Type: String

Valid Values: `AUTO_COMPLETION_UPON_APPROVAL`

ActionName

Name of the protected operation.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

AdditionalSecurityRequirements

A list of `AdditionalSecurityRequirement` applied to the session.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Valid Values: `APPROVER_VERIFICATION_REQUIRED`

ApprovalStrategy

An `ApprovalStrategyResponse` object. Contains details for how the team grants approval

Type: ApprovalStrategyResponse object

Note: This object is a Union. Only one member of this object can be specified or returned.

ApprovalTeamArn

Amazon Resource Name (ARN) for the approval team.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

ApprovalTeamName

Name of the approval team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]+`

ApproverResponses

An array of `GetSessionResponseApproverResponse` objects. Contains details for approver responses in the session.

Type: Array of GetSessionResponseApproverResponse objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

CompletionTime

Timestamp when the session completed.

Type: Timestamp

Description

Description for the session.

Type: String

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

ExecutionStatus

Status for the protected operation. For example, if the operation is `PENDING`.

Type: String

Valid Values: `EXECUTED | FAILED | PENDING`

ExpirationTime

Timestamp when the session will expire.

Type: Timestamp

InitiationTime

Timestamp when the session was initiated.

Type: Timestamp

Metadata

Metadata for the session.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 100.

Key Pattern: `[a-zA-Z0-9\p{P}]*`

Value Length Constraints: Minimum length of 1. Maximum length of 200.

Value Pattern: `[a-zA-Z0-9\p{P}]*`

NumberOfApprovers

Total number of approvers in the session.

Type: Integer

ProtectedResourceArn

Amazon Resource Name (ARN) for the protected operation.

Type: String

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

RequesterAccountId

ID for the account that made the operation request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 12.

Pattern: `\d{12}`

RequesterComment

Message from the account that made the operation request

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

RequesterPrincipalArn

IAM principal that made the operation request.

Type: String

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

RequesterRegion

AWS Region where the operation request originated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

RequesterServicePrincipal

Service principal for the service associated with the protected operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

SessionArn

Amazon Resource Name (ARN) for the session.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Status

Status for the session. For example, if the team has approved the requested operation.

Type: String

Valid Values: `PENDING | CANCELLED | APPROVED | FAILED | CREATING`

StatusCode

Status code of the session.

Type: String

Valid Values: `REJECTED | EXPIRED | CONFIGURATION_CHANGED | ALL_APPROVERS_IN_SESSION`

StatusMessage

Message describing the status for session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListApprovalTeams

Returns a list of approval teams.

Request Syntax

```
POST /approval-teams/?List&MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Valid Range: Minimum value of 1. Maximum value of 20.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "ApprovalTeams": [
      {
```

```
            "ApprovalStrategy": { ... },
            "Arn": "string",
            "CreationTime": "string",
            "Description": "string",
            "Name": "string",
            "NumberOfApprovers": number,
            "Status": "string",
            "StatusCode": "string",
            "StatusMessage": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

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

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

ApprovalTeams

An array of `ListApprovalTeamsResponseApprovalTeam` objects. Contains details for approval teams.

Type: Array of ListApprovalTeamsResponseApprovalTeam objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListIdentitySources

Returns a list of identity sources. For more information, see Identity Source in the *Multi-party approval User Guide*.

Request Syntax

```
POST /identity-sources/?List&MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Valid Range: Minimum value of 1. Maximum value of 20.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "IdentitySources": [
      {
```

```
            "CreationTime": "string",
            "IdentitySourceArn": "string",
            "IdentitySourceParameters": { ... },
            "IdentitySourceType": "string",
            "Status": "string",
            "StatusCode": "string",
            "StatusMessage": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

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

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

IdentitySources

A `IdentitySources`. Contains details for identity sources.

Type: Array of IdentitySourceForList objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListPolicies

Returns a list of policies. Policies define the permissions for team resources.

Request Syntax

```
POST /policies/?List&MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Valid Range: Minimum value of 1. Maximum value of 20.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

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

{
   "NextToken": "string",
```

```
    "Policies": [
       {
          "Arn": "string",
          "DefaultVersion": number,
          "Name": "string",
          "PolicyType": "string"
       }
    ]
}
```

Response Elements

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

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

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Policies

An array of `Policy` objects. Contains a list of policies that define the permissions for team resources.

Type: Array of Policy objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListPolicyVersions

Returns a list of the versions for policies. Policies define the permissions for team resources.

Request Syntax

```
POST /policies/PolicyArn/?List&MaxResults=MaxResults&NextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Valid Range: Minimum value of 1. Maximum value of 20.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Length Constraints: Minimum length of 0. Maximum length of 4096.

PolicyArn

Amazon Resource Name (ARN) for the policy.

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "NextToken": "string",
   "PolicyVersions": [
      {
         "Arn": "string",
         "CreationTime": "string",
         "IsDefault": boolean,
         "LastUpdatedTime": "string",
         "Name": "string",
         "PolicyArn": "string",
         "PolicyType": "string",
         "Status": "string",
         "VersionId": 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.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

PolicyVersions

An array of `PolicyVersionSummary` objects. Contains details for the version of the policies that define the permissions for team resources.

Type: Array of PolicyVersionSummary objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListResourcePolicies

Returns a list of policies for a resource.

Request Syntax

```
POST /resource-policies/ResourceArn/?List&MaxResults=MaxResults&NextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Valid Range: Minimum value of 1. Maximum value of 20.

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Length Constraints: Minimum length of 0. Maximum length of 4096.

ResourceArn

Amazon Resource Name (ARN) for the resource.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "NextToken": "string",
   "ResourcePolicies": [
      {
         "PolicyArn": "string",
         "PolicyName": "string",
         "PolicyType": "string"
      }
   ]
}
```

Response Elements

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

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

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

ResourcePolicies

An array of `ListResourcePoliciesResponseResourcePolicy` objects. Contains details about the policy for the resource.

Type: Array of ListResourcePoliciesResponseResourcePolicy objects

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListSessions

Returns a list of approval sessions. For more information, see Session in the *Multi-party approval User Guide*.

Request Syntax

```
POST /approval-teams/ApprovalTeamArn/sessions/?List HTTP/1.1
Content-type: application/json

{
   "Filters": [
      {
         "FieldName": "string",
         "Operator": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

ApprovalTeamArn

Amazon Resource Name (ARN) for the approval team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Filters

An array of `Filter` objects. Contains the filter to apply when listing sessions.

Type: Array of Filter objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

MaxResults

The maximum number of items to return in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that you can retrieve the remaining results.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

Response Syntax

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

{
   "NextToken": "string",
   "Sessions": [
      {
```

```
            "ActionCompletionStrategy": "string",
            "ActionName": "string",
            "AdditionalSecurityRequirements": [ "string" ],
            "ApprovalTeamArn": "string",
            "ApprovalTeamName": "string",
            "CompletionTime": "string",
            "Description": "string",
            "ExpirationTime": "string",
            "InitiationTime": "string",
            "ProtectedResourceArn": "string",
            "RequesterAccountId": "string",
            "RequesterPrincipalArn": "string",
            "RequesterRegion": "string",
            "RequesterServicePrincipal": "string",
            "SessionArn": "string",
            "Status": "string",
            "StatusCode": "string",
            "StatusMessage": "string"
        }
    ]
}
```

Response Elements

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

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

NextToken

If present, indicates that more output is available than is included in the current response. Use this value in the `NextToken` request parameter in a next call to the operation to get more output. You can repeat this until the `NextToken` response element returns `null`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Sessions

An array of `ListSessionsResponseSession` objects. Contains details for the sessions.

Type: Array of ListSessionsResponseSession objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

ListTagsForResource

Returns a list of the tags for a resource.

Request Syntax

```
GET /tags/ResourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

Amazon Resource Name (ARN) for the resource.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
   "Tags": {
      "string" : "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.

Tags

Tags attached to the resource.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

StartActiveApprovalTeamDeletion

Starts the deletion process for an active approval team.

> **Note**
>
> **Deletions require team approval**
> Requests to delete an active team must be approved by the team.

Request Syntax

```
POST /approval-teams/{Arn}?Delete HTTP/1.1
Content-type: application/json

{
   "PendingWindowDays": number
}
```

URI Request Parameters

The request uses the following URI parameters.

Arn

Amazon Resource Name (ARN) for the team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

PendingWindowDays

Number of days between when the team approves the delete request and when the team is deleted.

Type: Integer

Required: No

Response Syntax

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

{
   "DeletionCompletionTime": "string",
   "DeletionStartTime": "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.

DeletionCompletionTime

Timestamp when the deletion process is scheduled to complete.

Type: Timestamp

DeletionStartTime

Timestamp when the deletion process was initiated.

Type: Timestamp

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

StartApprovalTeamBaseline

Starts a baseline session for specified approvers on an `ACTIVE` approval team.

Request Syntax

```
POST /approval-teams/Arn/baseline HTTP/1.1
Content-type: application/json

{
   "ApproverIds": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

Arn

Amazon Resource Name (ARN) for the approval team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ApproverIds

Array of approver IDs.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Syntax

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

{
   "BaselineSessionArn": "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.

BaselineSessionArn

Amazon Resource Name (ARN) for the session.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

TagResource

Creates or updates a resource tag. Each tag is a label consisting of a user-defined key and value. Tags can help you manage, identify, organize, search for, and filter resources.

Request Syntax

```
PUT /tags/ResourceArn HTTP/1.1
Content-type: application/json

{
   "Tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

Amazon Resource Name (ARN) for the resource you want to tag.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

Tags that you have added to the specified resource.

Type: String to string map

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

Value Length Constraints: Minimum length of 0. Maximum length of 256.

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

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

TooManyTagsException

The request exceeds the maximum number of tags allowed for this resource. Remove some tags, and try again.

Message

Message for the `TooManyTagsException` error.

ResourceName

Name of the resource for the `TooManyTagsException` error.

HTTP Status Code: 400

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

UntagResource

Removes a resource tag. Each tag is a label consisting of a user-defined key and value. Tags can help you manage, identify, organize, search for, and filter resources.

Request Syntax

```
POST /tags/ResourceArn HTTP/1.1
Content-type: application/json

{
   "TagKeys": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

ResourceArn

Amazon Resource Name (ARN) for the resource you want to untag.

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

Required: Yes

Request Body

The request accepts the following data in JSON format.

TagKeys

Array of tag key-value pairs that you want to untag.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 50 items.

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

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

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

UpdateApprovalTeam

Updates an approval team. You can request to update the team description, approval threshold, and approvers in the team.

> **Note**
>
> **Updates require team approval**
> Updates to an active team must be approved by the team.

Request Syntax

```
PATCH /approval-teams/Arn HTTP/1.1
Content-type: application/json

{
   "ApprovalStrategy": { ... },
   "Approvers": [
      {
         "PrimaryIdentityId": "string",
         "PrimaryIdentitySourceArn": "string"
      }
   ],
   "Description": "string",
   "UpdateActions": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

Arn

Amazon Resource Name (ARN) for the team.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ApprovalStrategy

An `ApprovalStrategy` object. Contains details for how the team grants approval.

Type: ApprovalStrategy object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

Approvers

An array of `ApprovalTeamRequestApprover` objects. Contains details for the approvers in the team.

Type: Array of ApprovalTeamRequestApprover objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Required: No

Description

Description for the team.

Type: String

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

Required: No

UpdateActions

A list of `UpdateAction` to perform when updating the team.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Valid Values: `SYNCHRONIZE_MFA_DEVICES`

Required: No

Response Syntax

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

{
   "VersionId": "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.

VersionId

Version ID for the team that was created. When an approval team is updated, the version ID changes.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

Message

Message for the `AccessDeniedException` error.

HTTP Status Code: 403

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

Message

Message for the `ConflictException` error.

HTTP Status Code: 409

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

Message

Message for the `InternalServerException` error.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

Message

Message for the `ResourceNotFoundException` error.

HTTP Status Code: 404

ServiceQuotaExceededException

The request exceeds the service quota for your account. Request a quota increase or reduce your request size.

Message

Message for the `ServiceQuotaExceededException` error.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

Message

Message for the `ThrottlingException` error.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

Message

Message for the `ValidationException` error.

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

Data Types

The AWS Multi-party Approval 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:

- ApprovalStrategy
- ApprovalStrategyResponse
- ApprovalTeamRequestApprover
- Filter
- GetApprovalTeamResponseApprover
- GetSessionResponseApproverResponse
- IamIdentityCenter
- IamIdentityCenterForGet
- IamIdentityCenterForList
- IdentitySourceForList
- IdentitySourceParameters
- IdentitySourceParametersForGet
- IdentitySourceParametersForList
- ListApprovalTeamsResponseApprovalTeam
- ListResourcePoliciesResponseResourcePolicy
- ListSessionsResponseSession
- MfaMethod
- MofNApprovalStrategy
- PendingUpdate
- Policy

- PolicyReference
- PolicyVersion
- PolicyVersionSummary

ApprovalStrategy

Strategy for how an approval team grants approval.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

MofN

Minimum number of approvals (M) required for a total number of approvers (N).

Type: MofNApprovalStrategy object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ApprovalStrategyResponse

Contains details for how an approval team grants approval.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

MofN

Minimum number of approvals (M) required for a total number of approvers (N).

Type: MofNApprovalStrategy object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ApprovalTeamRequestApprover

Contains details for an approver.

Contents

PrimaryIdentityId

ID for the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

PrimaryIdentitySourceArn

Amazon Resource Name (ARN) for the identity source. The identity source manages the user authentication for approvers.

Type: String

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

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

Filter

Contains the filter to apply to requests. You can specify up to 10 filters for a request.

Contents

FieldName

Name of the filter to use.

> **Note**
>
> **Supported filters**
> The supported filters for ListSessions are: `ActionName`, `SessionStatus`, and `InitationTime`.

Type: String

Valid Values: `ActionName | ApprovalTeamName | VotingTime | Vote | SessionStatus | InitiationTime`

Required: No

Operator

Operator to use for filtering.

- `EQ`: Equal to the specified value
- `NE`: Not equal to the specified value
- `GT`: Greater than the specified value
- `LT`: Less than the specified value
- `GTE`: Greater than or equal to the specified value
- `LTE`: Less than or equal to the specified value
- `CONTAINS`: Contains the specified value
- `NOT_CONTAINS`: Does not contain the specified value
- `BETWEEN`: Between two values, inclusive of the specified values.

> **Note**
>
> **Supported operators for each filter**:
>
> - `ActionName`: `EQ` | `NE` | `CONTAINS` | `NOT_CONTAINS`
> - `SessionStatus`: `EQ` | `NE`
> - `InitiationTime`: `GT` | `LT` | `GTE` | `LTE` | `BETWEEN`

Type: String

Valid Values: `EQ` | `NE` | `GT` | `LT` | `GTE` | `LTE` | `CONTAINS` | `NOT_CONTAINS` | `BETWEEN`

Required: No

Value

Value to use for filtering. For the `BETWEEN` operator, specify values in the format a `AND` b (`AND` is case-insensitive).

Type: String

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

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

GetApprovalTeamResponseApprover

Contains details for an approver.

Contents

ApproverId

ID for the approver.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

LastActivity

Last Activity performed by the approver.

Type: String

Valid Values: `VOTED | BASELINED | RESPONDED_TO_INVITATION`

Required: No

LastActivityTime

Timestamp when the approver last responded to an operation or invitation request.

Type: Timestamp

Required: No

MfaMethods

Multi-factor authentication configuration for the approver

Type: Array of MfaMethod objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

PendingBaselineSessionArn

Amazon Resource Name (ARN) for the pending baseline session.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Required: No

PrimaryIdentityId

ID for the user.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

PrimaryIdentitySourceArn

Amazon Resource Name (ARN) for the identity source. The identity source manages the user authentication for approvers.

Type: String

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

Required: No

PrimaryIdentityStatus

Status for the identity source. For example, if an approver has accepted a team invitation with a user authentication method managed by the identity source.

Type: String

Valid Values: `PENDING | ACCEPTED | REJECTED | INVALID`

Required: No

ResponseTime

Timestamp when the approver responded to an approval team invitation.

Type: Timestamp

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

GetSessionResponseApproverResponse

Contains details for an approver response in an approval session.

Contents

ApproverId

ID for the approver.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

IdentityId

ID for the identity source. The identity source manages the user authentication for approvers.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

IdentitySourceArn

Amazon Resource Name (ARN) for the identity source. The identity source manages the user authentication for approvers.

Type: String

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

Required: No

Response

Response to the operation request.

Type: String

Valid Values: `APPROVED | REJECTED | NO_RESPONSE`

Required: No

ResponseTime

Timestamp when a approver responded to the operation request.

Type: Timestamp

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

IamIdentityCenter

AWS IAM Identity Center credentials. For more information see, AWS IAM Identity Center .

Contents

InstanceArn

Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:.+:sso:::instance/(?:sso)?ins-[a-zA-Z0-9-.]{16}`

Required: Yes

Region

AWS Region where the IAM Identity Center instance is located.

Type: String

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

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

IamIdentityCenterForGet

AWS IAM Identity Center credentials. For more information see, AWS IAM Identity Center .

Contents

ApprovalPortalUrl

URL for the approval portal associated with the IAM Identity Center instance.

Type: String

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

Required: No

InstanceArn

Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

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

Required: No

Region

AWS Region where the IAM Identity Center instance is located.

Type: String

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

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

IamIdentityCenterForList

AWS IAM Identity Center credentials. For more information see, AWS IAM Identity Center .

Contents

ApprovalPortalUrl

URL for the approval portal associated with the IAM Identity Center instance.

Type: String

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

Required: No

InstanceArn

Amazon Resource Name (ARN) for the IAM Identity Center instance.

Type: String

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

Required: No

Region

AWS Region where the IAM Identity Center instance is located.

Type: String

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

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

IdentitySourceForList

Contains details for an identity source. For more information, see Identity source in the *Multi-party approval User Guide*.

Contents

CreationTime

Timestamp when the identity source was created.

Type: Timestamp

Required: No

IdentitySourceArn

Amazon Resource Name (ARN) for the identity source.

Type: String

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

Required: No

IdentitySourceParameters

A `IdentitySourceParametersForList` object. Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance.

Type: IdentitySourceParametersForList object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

IdentitySourceType

The type of resource that provided identities to the identity source. For example, an IAM Identity Center instance.

Type: String

Valid Values: `IAM_IDENTITY_CENTER`

Required: No

Status

Status for the identity source. For example, if the identity source is `ACTIVE`.

Type: String

Valid Values: `CREATING | ACTIVE | DELETING | ERROR`

Required: No

StatusCode

Status code of the identity source.

Type: String

Valid Values: `ACCESS_DENIED | DELETION_FAILED | IDC_INSTANCE_NOT_FOUND | IDC_INSTANCE_NOT_VALID`

Required: No

StatusMessage

Message describing the status for the identity source.

Type: String

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

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

IdentitySourceParameters

Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance.

Contents

IamIdentityCenter

AWS IAM Identity Center credentials.

Type: IamIdentityCenter object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IdentitySourceParametersForGet

Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance. For more information, see Identity source in the *Multi-party approval User Guide*.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

IamIdentityCenter

AWS IAM Identity Center credentials.

Type: IamIdentityCenterForGet object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IdentitySourceParametersForList

Contains details for the resource that provides identities to the identity source. For example, an IAM Identity Center instance. For more information, see Identity source in the *Multi-party approval User Guide*.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

IamIdentityCenter

AWS IAM Identity Center credentials.

Type: IamIdentityCenterForList object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ListApprovalTeamsResponseApprovalTeam

Contains details for an approval team

Contents

ApprovalStrategy

An `ApprovalStrategyResponse` object. Contains details for how an approval team grants approval.

Type: ApprovalStrategyResponse object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

Arn

Amazon Resource Name (ARN) for the team.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: No

CreationTime

Timestamp when the team was created.

Type: Timestamp

Required: No

Description

Description for the team.

Type: String

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

Required: No

Name

Name of the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]+`

Required: No

NumberOfApprovers

Total number of approvers in the team.

Type: Integer

Required: No

Status

Status for the team. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `ACTIVE | INACTIVE | DELETING | PENDING`

Required: No

StatusCode

Status code for the team. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `VALIDATING | PENDING_ACTIVATION | FAILED_VALIDATION | FAILED_ACTIVATION | UPDATE_PENDING_APPROVAL | UPDATE_PENDING_ACTIVATION | UPDATE_FAILED_APPROVAL | UPDATE_FAILED_ACTIVATION | UPDATE_FAILED_VALIDATION | DELETE_PENDING_APPROVAL | DELETE_FAILED_APPROVAL | DELETE_FAILED_VALIDATION`

Required: No

StatusMessage

Message describing the status for the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

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

ListResourcePoliciesResponseResourcePolicy

Contains details about a policy for a resource.

Contents

PolicyArn

Amazon Resource Name (ARN) for policy.

Type: String

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

Required: No

PolicyName

Name of the policy.

Type: String

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

Required: No

PolicyType

The type of policy.

Type: String

Valid Values: `AWS_MANAGED | AWS_RAM`

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

ListSessionsResponseSession

Contains details for an approval session. For more information, see Session in the *Multi-party approval User Guide*

Contents

ActionCompletionStrategy

Strategy for executing the protected operation. `AUTO_COMPLETION_UPON_APPROVAL` means the operation is executed automatically using the requester's permissions, if approved.

Type: String

Valid Values: `AUTO_COMPLETION_UPON_APPROVAL`

Required: No

ActionName

Name of the protected operation.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

AdditionalSecurityRequirements

A list of `AdditionalSecurityRequirement` applied to the session.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Valid Values: `APPROVER_VERIFICATION_REQUIRED`

Required: No

ApprovalTeamArn

Amazon Resource Name (ARN) for the approval team.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:approval-team/[a-zA-Z0-9._-]+`

Required: No

ApprovalTeamName

Name of the approval team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `[a-zA-Z0-9._-]+`

Required: No

CompletionTime

Timestamp when the session was completed.

Type: Timestamp

Required: No

Description

Description for the team.

Type: String

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

Required: No

ExpirationTime

Timestamp when the session was expire.

Type: Timestamp

Required: No

InitiationTime

Timestamp when the session was initiated.

Type: Timestamp

Required: No

ProtectedResourceArn

Amazon Resource Name (ARN) for the protected operation.

Type: String

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

Required: No

RequesterAccountId

ID for the account that made the operation request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 12.

Pattern: `\d{12}`

Required: No

RequesterPrincipalArn

IAM principal that made the operation request.

Type: String

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

Required: No

RequesterRegion

AWS Region where the operation request originated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

RequesterServicePrincipal

Service principal for the service associated with the protected operation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

SessionArn

Amazon Resource Name (ARN) for the session.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws(-[^:]+)?:mpa:[a-z0-9-]{1,20}:[0-9]{12}:session/[a-zA-Z0-9._-]+/[a-zA-Z0-9_-]+`

Required: No

Status

Status for the protected operation. For example, if the operation is `PENDING`.

Type: String

Valid Values: `PENDING | CANCELLED | APPROVED | FAILED | CREATING`

Required: No

StatusCode

Status code of the session.

Type: String

Valid Values: `REJECTED | EXPIRED | CONFIGURATION_CHANGED | ALL_APPROVERS_IN_SESSION`

Required: No

StatusMessage

Message describing the status for session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

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

MfaMethod

MFA configuration and sycnronization status for an approver

Contents

SyncStatus

Indicates if the approver's MFA device is in-sync with the Identity Source

Type: String

Valid Values: `IN_SYNC | OUT_OF_SYNC`

Required: Yes

Type

The type of MFA configuration used by the approver

Type: String

Valid Values: `EMAIL_OTP`

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

MofNApprovalStrategy

Strategy for how an approval team grants approval.

Contents

MinApprovalsRequired

Minimum number of approvals (M) required for a total number of approvers (N).

Type: Integer

Valid Range: Minimum value of 1.

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

PendingUpdate

Contains details for the pending updates for an approval team, if applicable.

Contents

ApprovalStrategy

An `ApprovalStrategyResponse` object. Contains details for how the team grants approval.

Type: ApprovalStrategyResponse object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

Approvers

An array of `GetApprovalTeamResponseApprover` objects. Contains details for the approvers in the team.

Type: Array of GetApprovalTeamResponseApprover objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

Description

Description for the team.

Type: String

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

Required: No

NumberOfApprovers

Total number of approvers in the team.

Type: Integer

Required: No

Status

Status for the team. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `ACTIVE | INACTIVE | DELETING | PENDING`

Required: No

StatusCode

Status code for the update. For more information, see Team health in the *Multi-party approval User Guide*.

Type: String

Valid Values: `VALIDATING | PENDING_ACTIVATION | FAILED_VALIDATION | FAILED_ACTIVATION | UPDATE_PENDING_APPROVAL | UPDATE_PENDING_ACTIVATION | UPDATE_FAILED_APPROVAL | UPDATE_FAILED_ACTIVATION | UPDATE_FAILED_VALIDATION | DELETE_PENDING_APPROVAL | DELETE_FAILED_APPROVAL | DELETE_FAILED_VALIDATION`

Required: No

StatusMessage

Message describing the status for the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

UpdateInitiationTime

Timestamp when the update request was initiated.

Type: Timestamp

Required: No

VersionId

Version ID for the team.

Type: String

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

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Policy

Contains details for a policy. Policies define what operations a team that define the permissions for team resources.

Contents

Arn

Amazon Resource Name (ARN) for the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}`

Required: Yes

DefaultVersion

Determines if the specified policy is the default for the team.

Type: Integer

Valid Range: Minimum value of 1.

Required: Yes

Name

Name of the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: Yes

PolicyType

The type of policy.

Type: String

Valid Values: `AWS_MANAGED` | `AWS_RAM`

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

PolicyReference

Contains the Amazon Resource Name (ARN) for a policy. Policies define what operations a team that define the permissions for team resources.

Contents

PolicyArn

Amazon Resource Name (ARN) for the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}/(?:[\d]+|\$DEFAULT)`

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

PolicyVersion

Contains details for the version of a policy. Policies define what operations a team that define the permissions for team resources.

Contents

Arn

Amazon Resource Name (ARN) for the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}/(?:[\d]+|\$DEFAULT)`

Required: Yes

CreationTime

Timestamp when the policy was created.

Type: Timestamp

Required: Yes

Document

Document that contains the policy contents.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 400000.

Required: Yes

IsDefault

Determines if the specified policy is the default for the team.

Type: Boolean

Required: Yes

LastUpdatedTime

Timestamp when the policy was last updated.

Type: Timestamp

Required: Yes

Name

Name of the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: Yes

PolicyArn

Amazon Resource Name (ARN) for the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}`

Required: Yes

PolicyType

The type of policy.

Type: String

Valid Values: `AWS_MANAGED | AWS_RAM`

Required: Yes

Status

Status for the policy. For example, if the policy is attachable or deprecated.

Type: String

Valid Values: `ATTACHABLE | DEPRECATED`

Required: Yes

VersionId

Verison ID

Type: Integer

Valid Range: Minimum value of 1.

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

PolicyVersionSummary

Contains details for the version of a policy. Policies define what operations a team that define the permissions for team resources.

Contents

Arn

Amazon Resource Name (ARN) for the team.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}/(?:[\d]+|\$DEFAULT)`

Required: Yes

CreationTime

Timestamp when the policy was created.

Type: Timestamp

Required: Yes

IsDefault

Determines if the specified policy is the default for the team.

Type: Boolean

Required: Yes

LastUpdatedTime

Timestamp when the policy was last updated.

Type: Timestamp

Required: Yes

Name

Name of the policy

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Required: Yes

PolicyArn

Amazon Resource Name (ARN) for the policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1224.

Pattern: `arn:.{1,63}:mpa:::aws:policy/[a-zA-Z0-9_\.-]{1,1023}/[a-zA-Z0-9_\.-]{1,1023}`

Required: Yes

PolicyType

The type of policy.

Type: String

Valid Values: `AWS_MANAGED | AWS_RAM`

Required: Yes

Status

Status for the policy. For example, if the policy is attachable or deprecated.

Type: String

Valid Values: `ATTACHABLE | DEPRECATED`

Required: Yes

VersionId

Version ID for the policy.

Type: Integer

Valid Range: Minimum value of 1.

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

Service-specific Errors

The AWS Multi-party Approval API contains service-specific exceptions that various actions return. This section describes each exception in detail.

The following service-specific exceptions are returned:

- AccessDeniedException
- ConflictException
- InternalServerException
- InvalidParameterException
- ResourceNotFoundException
- ServiceQuotaExceededException
- ThrottlingException
- TooManyTagsException
- ValidationException

AccessDeniedException

You do not have sufficient access to perform this action. Check your permissions, and try again.

HTTP Status Code returned: 403

Contents

Message

Message for the `AccessDeniedException` error.

Type: String

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

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 Ruby V3

ConflictException

The request cannot be completed because it conflicts with the current state of a resource.

HTTP Status Code returned: 409

Contents

Message

Message for the `ConflictException` error.

Type: String

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

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 Ruby V3

InternalServerException

The service encountered an internal error. Try your request again. If the problem persists, contact AWS Support.

HTTP Status Code returned: 500

Contents

Message

Message for the `InternalServerException` error.

Type: String

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

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 Ruby V3

InvalidParameterException

The request contains an invalid parameter value.

HTTP Status Code returned: 400

Contents

Message

Message for the `InvalidParameterException` error.

Type: String

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

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 Ruby V3

ResourceNotFoundException

The specified resource doesn't exist. Check the resource ID, and try again.

HTTP Status Code returned: 404

Contents

Message

Message for the `ResourceNotFoundException` error.

Type: String

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

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 Ruby V3

ServiceQuotaExceededException

The request exceeds the service quota for your account. Request a quota increase or reduce your request size.

HTTP Status Code returned: 402

Contents

Message

Message for the `ServiceQuotaExceededException` error.

Type: String

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

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 Ruby V3

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code returned: 429

Contents

Message

Message for the `ThrottlingException` error.

Type: String

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

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 Ruby V3

TooManyTagsException

The request exceeds the maximum number of tags allowed for this resource. Remove some tags, and try again.

HTTP Status Code returned: 400

Contents

Message

Message for the `TooManyTagsException` error.

Type: String

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

Required: Yes

ResourceName

Name of the resource for the `TooManyTagsException` error.

Type: String

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

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 Ruby V3

ValidationException

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code returned: 400

Contents

Message

Message for the `ValidationException` error.

Type: String

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

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 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