



Welcome

Multi-party approval



API Version 2022-07-26

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Multi-party approval: Welcome

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Table of Contents

Welcome	1
Actions	2
CancelSession	3
Request Syntax	3
URI Request Parameters	3
Request Body	3
Response Syntax	3
Response Elements	3
Errors	3
See Also	5
CreateApprovalTeam	6
Request Syntax	6
URI Request Parameters	6
Request Body	6
Response Syntax	9
Response Elements	9
Errors	10
See Also	11
CreateldentitySource	13
Request Syntax	13
URI Request Parameters	13
Request Body	13
Response Syntax	14
Response Elements	15
Errors	15
See Also	17
DeleteldentitySource	18
Request Syntax	18
URI Request Parameters	18
Request Body	18
Response Syntax	18
Response Elements	18
Errors	18
See Also	20

DeletelnativeApprovalTeamVersion	21
Request Syntax	21
URI Request Parameters	21
Request Body	21
Response Syntax	21
Response Elements	22
Errors	22
See Also	23
GetApprovalTeam	24
Request Syntax	24
URI Request Parameters	24
Request Body	24
Response Syntax	24
Response Elements	26
Errors	29
See Also	30
GetIdentitySource	31
Request Syntax	31
URI Request Parameters	31
Request Body	31
Response Syntax	31
Response Elements	32
Errors	33
See Also	34
GetPolicyVersion	36
Request Syntax	36
URI Request Parameters	36
Request Body	36
Response Syntax	36
Response Elements	37
Errors	37
See Also	38
GetResourcePolicy	40
Request Syntax	40
URI Request Parameters	40
Request Body	40

Response Syntax	41
Response Elements	41
Errors	42
See Also	43
GetSession	45
Request Syntax	45
URI Request Parameters	45
Request Body	45
Response Syntax	45
Response Elements	46
Errors	51
See Also	52
ListApprovalTeams	53
Request Syntax	53
URI Request Parameters	53
Request Body	53
Response Syntax	53
Response Elements	54
Errors	54
See Also	55
ListIdentitySources	57
Request Syntax	57
URI Request Parameters	57
Request Body	57
Response Syntax	57
Response Elements	58
Errors	58
See Also	59
ListPolicies	61
Request Syntax	61
URI Request Parameters	61
Request Body	61
Response Syntax	61
Response Elements	62
Errors	62
See Also	63

ListPolicyVersions	65
Request Syntax	65
URI Request Parameters	65
Request Body	65
Response Syntax	66
Response Elements	66
Errors	67
See Also	68
ListResourcePolicies	69
Request Syntax	69
URI Request Parameters	69
Request Body	69
Response Syntax	70
Response Elements	70
Errors	71
See Also	72
ListSessions	73
Request Syntax	73
URI Request Parameters	73
Request Body	73
Response Syntax	74
Response Elements	75
Errors	76
See Also	77
ListTagsForResource	78
Request Syntax	78
URI Request Parameters	78
Request Body	78
Response Syntax	78
Response Elements	78
Errors	79
See Also	80
StartActiveApprovalTeamDeletion	81
Request Syntax	81
URI Request Parameters	81
Request Body	81

Response Syntax	82
Response Elements	82
Errors	82
See Also	84
StartApprovalTeamBaseline	85
Request Syntax	85
URI Request Parameters	85
Request Body	85
Response Syntax	86
Response Elements	86
Errors	86
See Also	87
TagResource	89
Request Syntax	89
URI Request Parameters	89
Request Body	89
Response Syntax	90
Response Elements	90
Errors	90
See Also	91
UntagResource	93
Request Syntax	93
URI Request Parameters	93
Request Body	93
Response Syntax	94
Response Elements	94
Errors	94
See Also	95
UpdateApprovalTeam	96
Request Syntax	96
URI Request Parameters	96
Request Body	97
Response Syntax	98
Response Elements	98
Errors	98
See Also	100

Data Types	101
ApprovalStrategy	103
Contents	103
See Also	103
ApprovalStrategyResponse	104
Contents	104
See Also	104
ApprovalTeamRequestApprover	105
Contents	105
See Also	105
Filter	106
Contents	106
See Also	107
GetApprovalTeamResponseApprover	108
Contents	108
See Also	110
GetSessionResponseApproverResponse	111
Contents	111
See Also	112
IamIdentityCenter	113
Contents	113
See Also	113
IamIdentityCenterForGet	114
Contents	114
See Also	114
IamIdentityCenterForList	116
Contents	116
See Also	116
IdentitySourceForList	118
Contents	118
See Also	119
IdentitySourceParameters	120
Contents	120
See Also	120
IdentitySourceParametersForGet	121
Contents	121

See Also	121
IdentitySourceParametersForList	122
Contents	122
See Also	122
ListApprovalTeamsResponseApprovalTeam	123
Contents	123
See Also	125
ListResourcePoliciesResponseResourcePolicy	126
Contents	126
See Also	126
ListSessionsResponseSession	128
Contents	128
See Also	132
MfaMethod	133
Contents	133
See Also	133
MofNApprovalStrategy	134
Contents	134
See Also	134
PendingUpdate	135
Contents	135
See Also	137
Policy	138
Contents	138
See Also	139
PolicyReference	140
Contents	140
See Also	140
PolicyVersion	141
Contents	141
See Also	143
PolicyVersionSummary	144
Contents	144
See Also	146
Service-specific Errors	147
AccessDeniedException	148

Contents	148
See Also	148
ConflictException	149
Contents	149
See Also	149
InternalServerError	150
Contents	150
See Also	150
InvalidParameterException	151
Contents	151
See Also	151
ResourceNotFoundException	152
Contents	152
See Also	152
ServiceQuotaExceededException	153
Contents	153
See Also	153
ThrottlingException	154
Contents	154
See Also	154
TooManyTagsException	155
Contents	155
See Also	155
ValidationException	156
Contents	156
See Also	156
Common Parameters	157
Common Error Types	160

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 April 10, 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

[InternalServerError](#)

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

Message

Message for the `InternalServerError` 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](#)
- [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

InternalServerError

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

Message

Message for the InternalServerError 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](#)
- [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

InternalServerErrorException

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

Message

Message for the `InternalServerErrorException` 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](#)
- [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

InternalServerErrorException

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

Message

Message for the InternalServerErrorException 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](#)
- [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](#)

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

[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

[InternalServerError](#)

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

Message

Message for the `InternalServerError` 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](#)
- [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](#)
- [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

InternalServerError

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

Message

Message for the InternalServerError 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](#)
- [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

InternalServerError

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

Message

Message for the `InternalServerError` 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](#)
- [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](#)
- [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

InternalServerError

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

Message

Message for the `InternalServerError` 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](#)
- [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

[InternalServerErrorException](#)

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

Message

Message for the InternalServerErrorException 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](#)
- [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](#)
- [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](#)
- [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

[InternalServerErrorException](#)

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

Message

Message for the `InternalServerErrorException` 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](#)
- [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](#)
- [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](#)
- [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

InternalServerError

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

Message

Message for the `InternalServerError` 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](#)
- [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

[InternalServerError](#)

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

Message

Message for the `InternalServerError` 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](#)
- [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

[InternalServerErrorException](#)

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

Message

Message for the `InternalServerErrorException` 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](#)
- [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

[InternalServerErrorException](#)

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

Message

Message for the `InternalServerErrorException` 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](#)
- [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](#)
- [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

[InternalServerErrorException](#)

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

Message

Message for the InternalServerErrorException 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](#)
- [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 InitiationTime.

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 synchronization 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

Version 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](#)
- [InternalServerErrorException](#)
- [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](#)

InternalServerErrorException

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 InternalServerErrorException 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