



API Reference

# AWS Security Incident Response



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# AWS Security Incident Response: API Reference

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# Welcome

This guide documents the action and response elements for use of the service.

This document was last published on April 27, 2026.

# Actions

The following actions are supported:

- [BatchGetMemberAccountDetails](#)
- [CancelMembership](#)
- [CloseCase](#)
- [CreateCase](#)
- [CreateCaseComment](#)
- [CreateMembership](#)
- [GetCase](#)
- [GetCaseAttachmentDownloadUrl](#)
- [GetCaseAttachmentUploadUrl](#)
- [GetMembership](#)
- [ListCaseEdits](#)
- [ListCases](#)
- [ListComments](#)
- [ListInvestigations](#)
- [ListMemberships](#)
- [ListTagsForResource](#)
- [SendFeedback](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateCase](#)
- [UpdateCaseComment](#)
- [UpdateCaseStatus](#)
- [UpdateMembership](#)
- [UpdateResolverType](#)

# BatchGetMemberAccountDetails

Provides information on whether the supplied account IDs are associated with a membership.

## Note

AWS account ID's may appear less than 12 characters and need to be zero-prepended. An example would be 123123123 which is nine digits, and with zero-prepend would be 000123123123. Not zero-prepending to 12 digits could result in errors.

## Request Syntax

```
POST /v1/membership/membershipId/batch-member-details HTTP/1.1
Content-type: application/json

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

## URI Request Parameters

The request uses the following URI parameters.

### membershipId

Required element used in combination with BatchGetMemberAccountDetails to identify the membership ID to query.

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## accountIds

Optional element to query the membership relationship status to a provided list of account IDs.

### Note

AWS account ID's may appear less than 12 characters and need to be zero-prepended. An example would be 123123123 which is nine digits, and with zero-prepend would be 000123123123. Not zero-prepending to 12 digits could result in errors.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

Required: Yes

## Response Syntax

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

{
  "errors": [
    {
      "accountId": "string",
      "error": "string",
      "message": "string"
    }
  ],
  "items": [
    {
      "accountId": "string",
      "relationshipStatus": "string",
      "relationshipType": "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.

### errors

The response element providing error messages for requests to `GetMembershipAccountDetails`.

Type: Array of [GetMembershipAccountDetailError](#) objects

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

### items

The response element providing responses for requests to `GetMembershipAccountDetails`.

Type: Array of [GetMembershipAccountDetailItem](#) 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**

#### **message**

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### **ConflictException**

Returned when there is a conflict with the current state of the resource.

For `UpdateResolverType`, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

**message**

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

### **ThrottlingException**

#### **message**

The exception message.

#### **quotaCode**

The quota code of the exception.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

#### **serviceCode**

The service code of the exception.

HTTP Status Code: 429

### **ValidationException**

Returned when the request contains invalid parameters.

For `UpdateResolverType`, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# CancelMembership

Cancels an existing membership.

## Note

When you cancel a membership, it will be closed immediately. You will lose access to all membership features and services right away.

## Request Syntax

```
PUT /v1/membership/membershipId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### membershipId

The unique identifier of the membership to cancel.

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "membershipId": "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.

### membershipId

The unique identifier of the membership that was canceled.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# CloseCase

Closes an existing case.

## Request Syntax

```
POST /v1/cases/caseId/close-case HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element used in combination with CloseCase to identify the case ID to close.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "caseStatus": "string",
  "closedDate": 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.

### caseStatus

A response element providing responses for requests to CloseCase. This element responds Closed if successful.

Type: String

Valid Values: Submitted | Acknowledged | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities | Ready to Close | Closed

### closedDate

A response element providing responses for requests to CloseCase. This element responds with the ISO-8601 formatted timestamp of the moment when the case was closed.

Type: Timestamp

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException**

**message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# CreateCase

Creates a new case.

## Request Syntax

```
POST /v1/create-case HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "description": "string",
  "engagementType": "string",
  "impactedAccounts": [ "string" ],
  "impactedAwsRegions": [
    {
      "region": "string"
    }
  ],
  "impactedServices": [ "string" ],
  "reportedIncidentStartDate": number,
  "resolverType": "string",
  "tags": {
    "string" : "string"
  },
  "threatActorIpAddresses": [
    {
      "ipAddress": "string",
      "userAgent": "string"
    }
  ],
  "title": "string",
  "watchers": [
    {
      "email": "string",
      "jobTitle": "string",
      "name": "string"
    }
  ]
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### clientToken

#### Note

The `clientToken` field is an idempotency key used to ensure that repeated attempts for a single action will be ignored by the server during retries. A caller supplied unique ID (typically a UUID) should be provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

### description

Required element used in combination with `CreateCase`

to provide a description for the new case.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Required: Yes

### engagementType

Required element used in combination with `CreateCase` to provide an engagement type for the new cases. Available engagement types include `Security Incident | Investigation`

Type: String

Valid Values: `Security Incident | Investigation`

Required: Yes

### impactedAccounts

Required element used in combination with CreateCase to provide a list of impacted accounts.

#### Note

AWS account ID's may appear less than 12 characters and need to be zero-prepended. An example would be 123123123 which is nine digits, and with zero-prepend would be 000123123123. Not zero-prepending to 12 digits could result in errors.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: Yes

### impactedAwsRegions

An optional element used in combination with CreateCase to provide a list of impacted regions.

Type: Array of [ImpactedAwsRegion](#) objects

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

Required: No

### impactedServices

An optional element used in combination with CreateCase to provide a list of services impacted.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 600 items.

Length Constraints: Minimum length of 2. Maximum length of 50.

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

Required: No

### reportedIncidentStartDate

Required element used in combination with CreateCase to provide an initial start date for the unauthorized activity.

Type: Timestamp

Required: Yes

### resolverType

Required element used in combination with CreateCase to identify the resolver type.

Type: String

Valid Values: AWS | Self

Required: Yes

### tags

An optional element used in combination with CreateCase to add customer specified tags to a case.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

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

Required: No

### threatActorIpAddresses

An optional element used in combination with CreateCase to provide a list of suspicious internet protocol addresses associated with unauthorized activity.

Type: Array of [ThreatActorIp](#) objects

Array Members: Minimum number of 0 items. Maximum number of 500 items.

Required: No

## title

Required element used in combination with CreateCase to provide a title for the new case.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

Required: Yes

## watchers

Required element used in combination with CreateCase to provide a list of entities to receive notifications for case updates.

Type: Array of [Watcher](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "caseId": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### caseId

A response element providing responses for requests to CreateCase. This element responds with the case ID.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

## ThrottlingException

### message

The exception message.

### quotaCode

The quota code of the exception.

### retryAfterSeconds

The number of seconds after which to retry the request.

### serviceCode

The service code of the exception.

HTTP Status Code: 429

## ValidationException

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

### fieldList

The fields which lead to the exception.

### message

The exception message.

### reason

The reason for the exception.

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](#)

# CreateCaseComment

Adds a comment to an existing case.

## Request Syntax

```
POST /v1/cases/caseId/create-comment HTTP/1.1
Content-type: application/json

{
  "body": "string",
  "clientToken": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element used in combination with CreateCaseComment to specify a case ID.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### body

Required element used in combination with CreateCaseComment to add content for the new comment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 12000.

Required: Yes

## clientToken

### Note

The `clientToken` field is an idempotency key used to ensure that repeated attempts for a single action will be ignored by the server during retries. A caller supplied unique ID (typically a UUID) should be provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "commentId": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### commentId

Response element indicating the new comment ID.

Type: String

Length Constraints: Fixed length of 6.

Pattern: `\d{6}`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

### InvalidTokenException

**message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException**

**message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# CreateMembership

Creates a new membership.

## Request Syntax

```
POST /v1/membership HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "coverEntireOrganization": boolean,
  "incidentResponseTeam": [
    {
      "communicationPreferences": [ "string" ],
      "email": "string",
      "jobTitle": "string",
      "name": "string"
    }
  ],
  "membershipName": "string",
  "optInFeatures": [
    {
      "featureName": "string",
      "isEnabled": boolean
    }
  ],
  "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

### Note

The `clientToken` field is an idempotency key used to ensure that repeated attempts for a single action will be ignored by the server during retries. A caller supplied unique ID (typically a UUID) should be provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

## coverEntireOrganization

The `coverEntireOrganization` parameter is a boolean flag that determines whether the membership should be applied to the entire AWS Organization. When set to true, the membership will be created for all accounts within the organization. When set to false, the membership will only be created for specified accounts.

This parameter is optional. If not specified, the default value is false.

- If set to *true*: The membership will automatically include all existing and future accounts in the AWS Organization.
- If set to *false*: The membership will only apply to explicitly specified accounts.

Type: Boolean

Required: No

## incidentResponseTeam

Required element used in combination with `CreateMembership` to add customer incident response team members and trusted partners to the membership.

Type: Array of [IncidentResponder](#) objects

Array Members: Minimum number of 2 items. Maximum number of 10 items.

Required: Yes

## membershipName

Required element used in combination with CreateMembership to create a name for the membership.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Required: Yes

## optInFeatures

A list of optional features to enable for the membership. These features provide additional capabilities beyond the standard membership functionality.

Type: Array of [OptInFeature](#) objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

## tags

Optional element for customer configured tags.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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/1.1 201
Content-type: application/json

{
  "membershipId": "string"
```

```
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### membershipId

Response element for CreateMembership providing the newly created membership ID.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# GetCase

Returns the attributes of a case.

## Request Syntax

```
GET /v1/cases/caseId/get-case HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for GetCase to identify the requested case ID.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "actualIncidentStartDate": number,
  "caseArn": "string",
  "caseAttachments": [
    {
      "attachmentId": "string",
      "attachmentStatus": "string",
      "createdDate": number,
      "creator": "string",
      "fileName": "string"
    }
  ]
}
```

```
],
  "caseMetadata": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "caseStatus": "string",
  "closedDate": number,
  "closureCode": "string",
  "createdDate": number,
  "description": "string",
  "engagementType": "string",
  "impactedAccounts": [ "string" ],
  "impactedAwsRegions": [
    {
      "region": "string"
    }
  ],
  "impactedServices": [ "string" ],
  "lastUpdatedDate": number,
  "pendingAction": "string",
  "reportedIncidentStartDate": number,
  "resolverType": "string",
  "threatActorIpAddresses": [
    {
      "ipAddress": "string",
      "userAgent": "string"
    }
  ],
  "title": "string",
  "watchers": [
    {
      "email": "string",
      "jobTitle": "string",
      "name": "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.

### actualIncidentStartDate

Response element for GetCase that provides the actual incident start date as identified by data analysis during the investigation.

Type: Timestamp

### caseArn

Response element for GetCase that provides the case ARN

Type: String

Length Constraints: Minimum length of 12. Maximum length of 80.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:case/[0-9]{10}`

### caseAttachments

Response element for GetCase that provides a list of current case attachments.

Type: Array of [CaseAttachmentAttributes](#) objects

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

### caseMetadata

Case response metadata

Type: Array of [CaseMetadataEntry](#) objects

Array Members: Minimum number of 1 item. Maximum number of 30 items.

### caseStatus

Response element for GetCase that provides the case status. Options for statuses include Submitted | Detection and Analysis | Eradication, Containment and Recovery | Post-Incident Activities | Closed

Type: String

Valid Values: Submitted | Acknowledged | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities | Ready to Close | Closed

### closedDate

Response element for GetCase that provides the date a specified case was closed.

Type: Timestamp

### closureCode

Response element for GetCase that provides the summary code for why a case was closed.

Type: String

Valid Values: Investigation Completed | Not Resolved | False Positive | Duplicate

### createdDate

Response element for GetCase that provides the date the case was created.

Type: Timestamp

### description

Response element for GetCase that provides contents of the case description.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

### engagementType

Response element for GetCase that provides the engagement type. Options for engagement type include Active Security Event | Investigations

Type: String

Valid Values: Security Incident | Investigation

### impactedAccounts

Response element for GetCase that provides a list of impacted accounts.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

### impactedAwsRegions

Response element for GetCase that provides the impacted regions.

Type: Array of [ImpactedAwsRegion](#) objects

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

### impactedServices

Response element for GetCase that provides a list of impacted services.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 600 items.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-zA-Z0-9 - . ( ) : ]+

### lastUpdatedDate

Response element for GetCase that provides the date a case was last modified.

Type: Timestamp

### pendingAction

Response element for GetCase that identifies the case is waiting on customer input.

Type: String

Valid Values: Customer | None

### reportedIncidentStartDate

Response element for GetCase that provides the customer provided incident start date.

Type: Timestamp

### resolverType

Response element for GetCase that provides the current resolver types.

Type: String

Valid Values: AWS | Self

### threatActorIpAddresses

Response element for GetCase that provides a list of suspicious IP addresses associated with unauthorized activity.

Type: Array of [ThreatActorIp](#) objects

Array Members: Minimum number of 0 items. Maximum number of 500 items.

### title

Response element for GetCase that provides the case title.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

### watchers

Response element for GetCase that provides a list of Watchers added to the case.

Type: Array of [Watcher](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

#### **message**

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### **ConflictException**

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

**message**

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

### **ThrottlingException**

#### **message**

The exception message.

#### **quotaCode**

The quota code of the exception.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

#### **serviceCode**

The service code of the exception.

HTTP Status Code: 429

### **ValidationException**

Returned when the request contains invalid parameters.

For `UpdateResolverType`, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# GetCaseAttachmentDownloadUrl

Returns a Pre-Signed URL for uploading attachments into a case.

## Request Syntax

```
GET /v1/cases/caseId/get-presigned-url/attachmentId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### attachmentId

Required element for GetCaseAttachmentDownloadUrl to identify the attachment ID for downloading an attachment.

Pattern: `[0-9a-fA-F]{8}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{12}`

Required: Yes

### caseId

Required element for GetCaseAttachmentDownloadUrl to identify the case ID for downloading an attachment from.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 201
```

```
Content-type: application/json

{
  "attachmentPresignedUrl": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### attachmentPresignedUrl

Response element providing the Amazon S3 presigned URL to download an attachment.

Type: String

Pattern: `https?://(?:www.)?[a-zA-Z0-9@:._+~#=-]{2,256}\.[a-z]{2,6}\b(?:[-a-zA-Z0-9@:%_+.~#?&/=]{0,2048})`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException**

**message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# GetCaseAttachmentUploadUrl

Uploads an attachment to a case.

## Request Syntax

```
POST /v1/cases/caseId/get-presigned-url HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "contentLength": number,
  "fileName": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for GetCaseAttachmentUploadUrl to identify the case ID for uploading an attachment.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## clientToken

### Note

The `clientToken` field is an idempotency key used to ensure that repeated attempts for a single action will be ignored by the server during retries. A caller supplied unique ID (typically a UUID) should be provided.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: No

## contentLength

Required element for `GetCaseAttachmentUploadUrl` to identify the size of the file attachment.

Type: Long

Valid Range: Minimum value of 1. Maximum value of 104857600.

Required: Yes

## fileName

Required element for `GetCaseAttachmentUploadUrl` to identify the file name of the attachment to upload.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

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

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json
```

```
{  
  "attachmentPresignedUrl": "string"  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [attachmentPresignedUrl](#)

Response element providing the Amazon S3 presigned URL to upload the attachment.

Type: String

Pattern: `https?://(?:www.)?[a-zA-Z0-9@:._+~#=-]{2,256}\.[a-z]{2,6}\b(?:[-a-zA-Z0-9@:%_+~#?&/=]{0,2048})`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException**

**message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# GetMembership

Returns the attributes of a membership.

## Request Syntax

```
GET /v1/membership/membershipId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [membershipId](#)

Required element for GetMembership to identify the membership ID to query.

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: `m-[a-z0-9]{10,32}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "accountId": "string",
  "customerType": "string",
  "incidentResponseTeam": [
    {
      "communicationPreferences": [ "string" ],
      "email": "string",
      "jobTitle": "string",
      "name": "string"
    }
  ]
}
```

```
],
  "membershipAccountsConfigurations": {
    "coverEntireOrganization": boolean,
    "organizationalUnits": [ "string" ]
  },
  "membershipActivationTimestamp": number,
  "membershipArn": "string",
  "membershipDeactivationTimestamp": number,
  "membershipId": "string",
  "membershipName": "string",
  "membershipStatus": "string",
  "numberOfAccountsCovered": number,
  "optInFeatures": [
    {
      "featureName": "string",
      "isEnabled": boolean
    }
  ],
  "region": "string"
}
```

## Response Elements

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

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

### accountId

Response element for GetMembership that provides the account configured to manage the membership.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

### customerType

Response element for GetMembership that provides the configured membership type. Options include Standalone | Organizations.

Type: String

Valid Values: Standalone | Organization

### incidentResponseTeam

Response element for GetMembership that provides the configured membership incident response team members.

Type: Array of [IncidentResponder](#) objects

Array Members: Minimum number of 2 items. Maximum number of 10 items.

### membershipAccountsConfigurations

The membershipAccountsConfigurations field contains the configuration details for member accounts within the AWS Organizations membership structure.

This field returns a structure containing information about:

- Account configurations for member accounts
- Membership settings and preferences
- Account-level permissions and roles

Type: [MembershipAccountsConfigurations](#) object

### membershipActivationTimestamp

Response element for GetMembership that provides the configured membership activation timestamp.

Type: Timestamp

### membershipArn

Response element for GetMembership that provides the membership ARN.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 80.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:membership/m-[a-z0-9]{10,32}`

### membershipDeactivationTimestamp

Response element for GetMembership that provides the configured membership name deactivation timestamp.

Type: Timestamp

### membershipId

Response element for GetMembership that provides the queried membership ID.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

### membershipName

Response element for GetMembership that provides the configured membership name.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

### membershipStatus

Response element for GetMembership that provides the current membership status.

Type: String

Valid Values: Active | Cancelled | Terminated

### numberOfAccountsCovered

Response element for GetMembership that provides the number of accounts in the membership.

Type: Long

### optInFeatures

Response element for GetMembership that provides the if opt-in features have been enabled.

Type: Array of [OptInFeature](#) objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

### region

Response element for GetMembership that provides the region configured to manage the membership.

Type: String

Valid Values: af-south-1 | ap-east-1 | ap-east-2 | ap-northeast-1 | ap-northeast-2 | ap-northeast-3 | ap-south-1 | ap-south-2 | ap-southeast-1 | ap-southeast-2 | ap-southeast-3 | ap-southeast-4 | ap-southeast-5 | ap-southeast-6 | ap-southeast-7 | ca-central-1 | ca-west-1 | cn-north-1 | cn-northwest-1 | eu-central-1 | eu-central-2 | eu-north-1 | eu-south-1 | eu-south-2 | eu-west-1 | eu-west-2 | eu-west-3 | il-central-1 | me-central-1 | me-south-1 | mx-central-1 | sa-east-1 | us-east-1 | us-east-2 | us-west-1 | us-west-2

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

## InternalServerErrorException

### message

The exception message.

### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

## InvalidTokenException

### message

The exception message.

HTTP Status Code: 423

## ResourceNotFoundException

### message

The exception message.

HTTP Status Code: 404

## SecurityIncidentResponseNotActiveException

### message

The exception message.

HTTP Status Code: 400

## ServiceQuotaExceededException

### message

The exception message.

### quotaCode

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# ListCaseEdits

Views the case history for edits made to a designated case.

## Request Syntax

```
POST /v1/cases/caseId/list-case-edits HTTP/1.1
Content-type: application/json
```

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element used with ListCaseEdits to identify the case to query.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### maxResults

Optional element to identify how many results to obtain. There is a maximum value of 25.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 25.

Required: No

## nextToken

An optional string that, if supplied, must be copied from the output of a previous call to ListCaseEdits. When provided in this manner, the API fetches the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

## Response Syntax

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

{
  "items": [
    {
      "action": "string",
      "eventTimestamp": number,
      "message": "string",
      "principal": "string"
    }
  ],
  "nextToken": "string",
  "total": 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.

### items

Response element for ListCaseEdits that includes the action, event timestamp, message, and principal for the response.

Type: Array of [CaseEditItem](#) objects

## nextToken

An optional string that, if supplied on subsequent calls to ListCaseEdits, allows the API to fetch the next page of results.

Type: String

## total

Response element for ListCaseEdits that identifies the total number of edits.

Type: Integer

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

## InternalServerErrorException

### message

The exception message.

### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

## InvalidTokenException

### message

The exception message.

HTTP Status Code: 423

## ResourceNotFoundException

### message

The exception message.

HTTP Status Code: 404

## SecurityIncidentResponseNotActiveException

### message

The exception message.

HTTP Status Code: 400

## ServiceQuotaExceededException

### message

The exception message.

### quotaCode

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# ListCases

Lists all cases the requester has access to.

## Request Syntax

```
POST /v1/list-cases HTTP/1.1
Content-type: application/json

{
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### maxResults

Optional element for ListCases to limit the number of responses.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 25.

Required: No

### nextToken

An optional string that, if supplied, must be copied from the output of a previous call to ListCases. When provided in this manner, the API fetches the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

## Response Syntax

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

{
  "items": [
    {
      "caseArn": "string",
      "caseId": "string",
      "caseStatus": "string",
      "closedDate": number,
      "createdDate": number,
      "engagementType": "string",
      "lastUpdatedDate": number,
      "pendingAction": "string",
      "resolverType": "string",
      "title": "string"
    }
  ],
  "nextToken": "string",
  "total": 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.

### items

Response element for ListCases that includes caseARN, caseID, caseStatus, closedDate, createdDate, engagementType, lastUpdatedDate, pendingAction, resolverType, and title for each response.

Type: Array of [ListCasesItem](#) objects

### nextToken

An optional string that, if supplied on subsequent calls to ListCases, allows the API to fetch the next page of results.

Type: String

### **total**

Response element for ListCases providing the total number of responses.

Type: Long

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

#### **message**

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### **ConflictException**

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### **message**

The exception message.

#### **resourceId**

The ID of the conflicting resource.

#### **resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

### **InternalServerError**

#### **message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# ListComments

Returns comments for a designated case.

## Request Syntax

```
POST /v1/cases/caseId/list-comments HTTP/1.1
Content-type: application/json
```

```
{
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for ListComments to designate the case to query.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### maxResults

Optional element for ListComments to limit the number of responses.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 25.

Required: No

## nextToken

An optional string that, if supplied, must be copied from the output of a previous call to ListComments. When provided in this manner, the API fetches the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

## Response Syntax

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

{
  "items": [
    {
      "body": "string",
      "commentId": "string",
      "createdDate": number,
      "creator": "string",
      "lastUpdatedBy": "string",
      "lastUpdatedDate": number
    }
  ],
  "nextToken": "string",
  "total": 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.

### items

Response element for ListComments providing the body, commentID, createDate, creator, lastUpdatedBy and lastUpdatedDate for each response.

Type: Array of [ListCommentsItem](#) objects

### **nextToken**

An optional string that, if supplied on subsequent calls to ListComments, allows the API to fetch the next page of results.

Type: String

### **total**

Response element for ListComments identifying the number of responses.

Type: Integer

## **Errors**

For information about the errors that are common to all actions, see [Common Error Types](#).

### **AccessDeniedException**

#### **message**

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### **ConflictException**

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### **message**

The exception message.

#### **resourceId**

The ID of the conflicting resource.

#### **resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

### **InternalServerErrorException**

#### **message**

The exception message.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# ListInvestigations

Lists all investigations associated with cases that the requester has access to. Investigations are performed by agents to analyze and respond to security incidents.

## Request Syntax

```
GET /v1/cases/caseId/list-investigations?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element that specifies the unique identifier of the case for which to list investigations.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

### maxResults

Optional element for ListInvestigations to limit the number of responses.

Valid Range: Minimum value of 1. Maximum value of 25.

### nextToken

An optional string that, if supplied, must be copied from the output of a previous call to ListInvestigations. When provided in this manner, the API fetches the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2000.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "investigationActions": [
    {
      "actionType": "string",
      "content": "string",
      "feedback": {
        "comment": "string",
        "submittedAt": number,
        "usefulness": "string"
      },
      "investigationId": "string",
      "lastUpdated": number,
      "status": "string",
      "title": "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.

### investigationActions

A list of investigation actions associated with the returned investigations. Each action represents a specific step or activity performed during the investigation process.

Type: Array of [InvestigationAction](#) objects

### nextToken

An optional string that, if supplied on subsequent calls to ListInvestigations, allows the API to fetch the next page of results.

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerErrorException

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

### InvalidTokenException

**message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException**

**message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# ListMemberships

Returns the memberships that the calling principal can access.

## Request Syntax

```
POST /v1/memberships HTTP/1.1
Content-type: application/json

{
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### maxResults

Request element for ListMemberships to limit the number of responses.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 25.

Required: No

### nextToken

An optional string that, if supplied, must be copied from the output of a previous call to ListMemberships. When provided in this manner, the API fetches the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2000.

Required: No

## Response Syntax

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

{
  "items": [
    {
      "accountId": "string",
      "membershipArn": "string",
      "membershipId": "string",
      "membershipStatus": "string",
      "region": "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.

### [items](#)

Request element for ListMemberships including the accountId, membershipARN, membershipID, membershipStatus, and region for each response.

Type: Array of [ListMembershipItem](#) objects

### [nextToken](#)

An optional string that, if supplied on subsequent calls to ListMemberships, allows the API to fetch the next page of results.

Type: String

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

## AccessDeniedException

### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

## ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

### message

The exception message.

### resourceId

The ID of the conflicting resource.

### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

## InternalServerError

### message

The exception message.

### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

## InvalidTokenException

### message

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

### **ThrottlingException**

#### **message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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 currently configured tags on a resource.

## Request Syntax

```
GET /v1/tags/resourceArn HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

Required element for ListTagsForResource to provide the ARN to identify a specific resource.

Length Constraints: Minimum length of 12. Maximum length of 1010.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:(membership/m-[a-z0-9]{10,32}|case/[0-9]{10})`

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

Response element for ListTagsForResource providing content for each configured tag.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### **InternalServerErrorException**

#### **message**

The exception message.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# SendFeedback

Submits feedback about an investigation action or result. This operation allows users to provide usefulness ratings and comments to help improve the quality of investigation recommendations and actions.

## Request Syntax

```
POST /v1/cases/caseId/feedback/resultId/send-feedback HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "comment": "string",
  "usefulness": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element that specifies the unique identifier of the case for which to submit feedback.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

### resultId

The unique identifier of the investigation result or action for which feedback is being provided.

Pattern: `inv-[a-z0-9]{10,32}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## comment

Optional text feedback providing additional context or details about the usefulness rating. This can include specific suggestions for improvement or explanations of the rating.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

## usefulness

A rating indicating how useful the investigation result or action was. This helps improve future recommendations and investigation quality.

Type: String

Valid Values: USEFUL | NOT\_USEFUL

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

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

## **ConflictException**

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

### **message**

The exception message.

### **resourceId**

The ID of the conflicting resource.

### **resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

## **InternalServerErrorException**

### **message**

The exception message.

### **retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

## **InvalidTokenException**

### **message**

The exception message.

HTTP Status Code: 423

## **ResourceNotFoundException**

### **message**

The exception message.

HTTP Status Code: 404

## SecurityIncidentResponseNotActiveException

### message

The exception message.

HTTP Status Code: 400

## ServiceQuotaExceededException

### message

The exception message.

### quotaCode

The code of the quota.

### resourceId

The ID of the requested resource which lead to the service quota exception.

### resourceType

The type of the requested resource which lead to the service quota exception.

### serviceCode

The service code of the quota.

HTTP Status Code: 402

## ThrottlingException

### message

The exception message.

### quotaCode

The quota code of the exception.

### retryAfterSeconds

The number of seconds after which to retry the request.

### serviceCode

The service code of the exception.

HTTP Status Code: 429

## ValidationException

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

### fieldList

The fields which lead to the exception.

### message

The exception message.

### reason

The reason for the exception.

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

Adds a tag(s) to a designated resource.

## Request Syntax

```
POST /v1/tags/resourceArn HTTP/1.1
Content-type: application/json
```

```
{
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

Required element for TagResource to identify the ARN for the resource to add a tag to.

Length Constraints: Minimum length of 12. Maximum length of 1010.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:(membership/m-[a-z0-9]{10,32}|case/[0-9]{10})`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

Required element for ListTagsForResource to provide the content for a tag.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

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/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### **InternalServerErrorException**

#### **message**

The exception message.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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 tag(s) from a designate resource.

## Request Syntax

```
DELETE /v1/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

Required element for UntagResource to identify the ARN for the resource to remove a tag from.

Length Constraints: Minimum length of 12. Maximum length of 1010.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:(membership/m-[a-z0-9]{10,32}|case/[0-9]{10})`

Required: Yes

### tagKeys

Required element for UntagResource to identify tag to remove.

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

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

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

## **ThrottlingException**

### **message**

The exception message.

### **quotaCode**

The quota code of the exception.

### **retryAfterSeconds**

The number of seconds after which to retry the request.

### **serviceCode**

The service code of the exception.

HTTP Status Code: 429

## **ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

### **fieldList**

The fields which lead to the exception.

### **message**

The exception message.

### **reason**

The reason for the exception.

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](#)

# UpdateCase

Updates an existing case.

## Request Syntax

```
POST /v1/cases/caseId/update-case HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "actualIncidentStartDate": number,
  "caseMetadata": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "description": "string",
  "engagementType": "string",
  "impactedAccountsToAdd": [ "string" ],
  "impactedAccountsToDelete": [ "string" ],
  "impactedAwsRegionsToAdd": [
    {
      "region": "string"
    }
  ],
  "impactedAwsRegionsToDelete": [
    {
      "region": "string"
    }
  ],
  "impactedServicesToAdd": [ "string" ],
  "impactedServicesToDelete": [ "string" ],
  "reportedIncidentStartDate": number,
  "threatActorIpAddressesToAdd": [
    {
      "ipAddress": "string",
      "userAgent": "string"
    }
  ],
  "threatActorIpAddressesToDelete": [
    {
      "ipAddress": "string",
```

```
    "userAgent": "string"
  }
],
"title": "string",
"watchersToAdd": [
  {
    "email": "string",
    "jobTitle": "string",
    "name": "string"
  }
],
"watchersToDelete": [
  {
    "email": "string",
    "jobTitle": "string",
    "name": "string"
  }
]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for UpdateCase to identify the case ID for updates.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### actualIncidentStartDate

Optional element for UpdateCase to provide content for the incident start date field.

Type: Timestamp

Required: No

### caseMetadata

Metadata entries to update for the case. This allows you to modify custom key-value pairs associated with the case for organizational and tracking purposes.

Type: Array of [CaseMetadataEntry](#) objects

Array Members: Minimum number of 1 item. Maximum number of 30 items.

Required: No

### description

Optional element for UpdateCase to provide content for the description field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Required: No

### engagementType

Optional element for UpdateCase to provide content for the engagement type field.

Available engagement types include Security Incident | Investigation.

Type: String

Valid Values: Security Incident | Investigation

Required: No

### impactedAccountsToAdd

Optional element for UpdateCase to provide content to add accounts impacted.

#### Note

AWS account ID's may appear less than 12 characters and need to be zero-prepended. An example would be 123123123 which is nine digits, and with zero-prepend would be 000123123123. Not zero-prepending to 12 digits could result in errors.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

### [impactedAccountsToDelete](#)

Optional element for UpdateCase to provide content to add accounts impacted.

#### Note

AWS account ID's may appear less than 12 characters and need to be zero-prepended. An example would be 123123123 which is nine digits, and with zero-prepend would be 000123123123. Not zero-prepending to 12 digits could result in errors.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

### [impactedAwsRegionsToAdd](#)

Optional element for UpdateCase to provide content to add regions impacted.

Type: Array of [ImpactedAwsRegion](#) objects

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

Required: No

### [impactedAwsRegionsToDelete](#)

Optional element for UpdateCase to provide content to remove regions impacted.

Type: Array of [ImpactedAwsRegion](#) objects

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

Required: No

### [impactedServicesToAdd](#)

Optional element for UpdateCase to provide content to add services impacted.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 600 items.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-zA-Z0-9 - . ( ) : ]+

Required: No

### [impactedServicesToDelete](#)

Optional element for UpdateCase to provide content to remove services impacted.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 600 items.

Length Constraints: Minimum length of 2. Maximum length of 50.

Pattern: [a-zA-Z0-9 - . ( ) : ]+

Required: No

### [reportedIncidentStartDate](#)

Optional element for UpdateCase to provide content for the customer reported incident start date field.

Type: Timestamp

Required: No

### [threatActorIpAddressesToAdd](#)

Optional element for UpdateCase to provide content to add additional suspicious IP addresses related to a case.

Type: Array of [ThreatActorIp](#) objects

Array Members: Minimum number of 0 items. Maximum number of 500 items.

Required: No

### [threatActorIpAddressesToDelete](#)

Optional element for UpdateCase to provide content to remove suspicious IP addresses from a case.

Type: Array of [ThreatActorIp](#) objects

Array Members: Minimum number of 0 items. Maximum number of 500 items.

Required: No

### [title](#)

Optional element for UpdateCase to provide content for the title field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

Required: No

### [watchersToAdd](#)

Optional element for UpdateCase to provide content to add additional watchers to a case.

Type: Array of [Watcher](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

### [watchersToDelete](#)

Optional element for UpdateCase to provide content to remove existing watchers from a case.

Type: Array of [Watcher](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

## 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

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

**message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

**ServiceQuotaExceededException****message**

The exception message.

**quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# UpdateCaseComment

Updates an existing case comment.

## Request Syntax

```
PUT /v1/cases/caseId/update-case-comment/commentId HTTP/1.1  
Content-type: application/json
```

```
{  
  "body": "string"  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for UpdateCaseComment to identify the case ID containing the comment to be updated.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

### commentId

Required element for UpdateCaseComment to identify the case ID to be updated.

Length Constraints: Fixed length of 6.

Pattern: `\d{6}`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## body

Required element for UpdateCaseComment to identify the content for the comment to be updated.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 12000.

Required: Yes

## Response Syntax

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

{
  "body": "string",
  "commentId": "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.

### body

Response element for UpdateCaseComment providing the updated comment content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 12000.

### commentId

Response element for UpdateCaseComment providing the updated comment ID.

Type: String

Length Constraints: Fixed length of 6.

Pattern: `\d{6}`

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

## **InvalidTokenException**

### **message**

The exception message.

HTTP Status Code: 423

## **ResourceNotFoundException**

### **message**

The exception message.

HTTP Status Code: 404

## **SecurityIncidentResponseNotActiveException**

### **message**

The exception message.

HTTP Status Code: 400

## **ServiceQuotaExceededException**

### **message**

The exception message.

### **quotaCode**

The code of the quota.

### **resourceId**

The ID of the requested resource which lead to the service quota exception.

### **resourceType**

The type of the requested resource which lead to the service quota exception.

### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

## ThrottlingException

### message

The exception message.

### quotaCode

The quota code of the exception.

### retryAfterSeconds

The number of seconds after which to retry the request.

### serviceCode

The service code of the exception.

HTTP Status Code: 429

## ValidationException

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

### fieldList

The fields which lead to the exception.

### message

The exception message.

### reason

The reason for the exception.

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](#)

# UpdateCaseStatus

Updates the state transitions for a designated cases.

**Self-managed:** the following states are available for self-managed cases.

- Submitted → Detection and Analysis
- Submitted → Post-incident Activities
- Submitted → Containment, Eradication, and Recovery
- Detection and Analysis → Containment, Eradication, and Recovery
- Detection and Analysis → Post-incident Activities
- Containment, Eradication, and Recovery → Detection and Analysis
- Containment, Eradication, and Recovery → Post-incident Activities
- Post-incident Activities → Containment, Eradication, and Recovery
- Post-incident Activities → Detection and Analysis
- Any → Closed

**AWS supported:** You must use the `CloseCase` API to close.

## Request Syntax

```
POST /v1/cases/caseId/update-case-status HTTP/1.1
Content-type: application/json

{
  "caseStatus": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for `UpdateCaseStatus` to identify the case to update.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### caseStatus

Required element for UpdateCaseStatus to identify the status for a case. Options include Submitted | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities.

Type: String

Valid Values: Submitted | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "caseStatus": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### caseStatus

Response element for UpdateCaseStatus showing the newly configured status.

Type: String

Valid Values: Submitted | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### InternalServerError

#### message

The exception message.

#### retryAfterSeconds

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

## **ThrottlingException**

### **message**

The exception message.

### **quotaCode**

The quota code of the exception.

### **retryAfterSeconds**

The number of seconds after which to retry the request.

### **serviceCode**

The service code of the exception.

HTTP Status Code: 429

## **ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

### **fieldList**

The fields which lead to the exception.

### **message**

The exception message.

### **reason**

The reason for the exception.

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](#)

# UpdateMembership

Updates membership configuration.

## Request Syntax

```
PUT /v1/membership/membershipId/update-membership HTTP/1.1
Content-type: application/json
```

```
{
  "incidentResponseTeam": [
    {
      "communicationPreferences": [ "string" ],
      "email": "string",
      "jobTitle": "string",
      "name": "string"
    }
  ],
  "membershipAccountsConfigurationsUpdate": {
    "coverEntireOrganization": boolean,
    "organizationalUnitsToAdd": [ "string" ],
    "organizationalUnitsToRemove": [ "string" ]
  },
  "membershipName": "string",
  "optInFeatures": [
    {
      "featureName": "string",
      "isEnabled": boolean
    }
  ],
  "undoMembershipCancellation": boolean
}
```

## URI Request Parameters

The request uses the following URI parameters.

### membershipId

Required element for UpdateMembership to identify the membership to update.

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### incidentResponseTeam

Optional element for UpdateMembership to update the membership name.

Type: Array of [IncidentResponder](#) objects

Array Members: Minimum number of 2 items. Maximum number of 10 items.

Required: No

### membershipAccountsConfigurationsUpdate

The membershipAccountsConfigurationsUpdate field in the UpdateMembershipRequest structure allows you to update the configuration settings for accounts within a membership.

This field is optional and contains a structure of type MembershipAccountsConfigurationsUpdate that specifies the updated account configurations for the membership.

Type: [MembershipAccountsConfigurationsUpdate](#) object

Required: No

### membershipName

Optional element for UpdateMembership to update the membership name.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Required: No

### optInFeatures

Optional element for UpdateMembership to enable or disable opt-in features for the service.

Type: Array of [OptInFeature](#) objects

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Required: No

### [undoMembershipCancellation](#)

When set to true, reverses a previous membership cancellation and restores the membership to active status.

Type: Boolean

Required: No

## 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**

#### **message**

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### **ConflictException**

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

**message**

The exception message.

**resourceId**

The ID of the conflicting resource.

**resourceType**

The type of the conflicting resource.

HTTP Status Code: 409

**InternalServerErrorException****message**

The exception message.

**retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

**InvalidTokenException****message**

The exception message.

HTTP Status Code: 423

**ResourceNotFoundException****message**

The exception message.

HTTP Status Code: 404

**SecurityIncidentResponseNotActiveException****message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

#### **resourceId**

The ID of the requested resource which lead to the service quota exception.

#### **resourceType**

The type of the requested resource which lead to the service quota exception.

#### **serviceCode**

The service code of the quota.

HTTP Status Code: 402

### **ThrottlingException**

#### **message**

The exception message.

#### **quotaCode**

The quota code of the exception.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

#### **serviceCode**

The service code of the exception.

HTTP Status Code: 429

### **ValidationException**

Returned when the request contains invalid parameters.

For `UpdateResolverType`, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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](#)

# UpdateResolverType

Updates the resolver type for a case.

## Important

This operation only supports changing a case from Self-managed to AWS-supported resolution. Once a case is changed to AWS-supported, it cannot be changed back to Self-managed.

## Request Syntax

```
POST /v1/cases/caseId/update-resolver-type HTTP/1.1
Content-type: application/json
```

```
{
  "resolverType": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### caseId

Required element for UpdateResolverType to identify the case to update.

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### resolverType

Required element for UpdateResolverType to identify the new resolver.

Valid values are `AWS` (for AWS-supported) or `Self` (for Self-managed). Note that you can only transition from Self-managed to AWS-supported. Attempting to change an AWS-supported case to Self-managed will result in an error.

Type: String

Valid Values: `AWS` | `Self`

Required: Yes

## Response Syntax

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

{
  "caseId": "string",
  "caseStatus": "string",
  "resolverType": "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.

### caseId

Response element for UpdateResolver identifying the case ID being updated.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

### caseStatus

Response element for UpdateResolver identifying the current status of the case.

Type: String

Valid Values: Submitted | Acknowledged | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities | Ready to Close | Closed

### resolverType

Response element for UpdateResolver identifying the current resolver of the case.

This value will be AWS after a successful transition from Self-managed to AWS-supported.

Type: String

Valid Values: AWS | Self

## Errors

For information about the errors that are common to all actions, see [Common Error Types](#).

### AccessDeniedException

#### message

The ID of the resource which lead to the access denial.

HTTP Status Code: 403

### ConflictException

Returned when there is a conflict with the current state of the resource.

For UpdateResolverType, this error may occur when attempting to change an AWS-supported case to Self-managed, which is not supported.

#### message

The exception message.

#### resourceId

The ID of the conflicting resource.

#### resourceType

The type of the conflicting resource.

HTTP Status Code: 409

### **InternalServerErrorException**

#### **message**

The exception message.

#### **retryAfterSeconds**

The number of seconds after which to retry the request.

HTTP Status Code: 500

### **InvalidTokenException**

#### **message**

The exception message.

HTTP Status Code: 423

### **ResourceNotFoundException**

#### **message**

The exception message.

HTTP Status Code: 404

### **SecurityIncidentResponseNotActiveException**

#### **message**

The exception message.

HTTP Status Code: 400

### **ServiceQuotaExceededException**

#### **message**

The exception message.

#### **quotaCode**

The code of the quota.

**resourceId**

The ID of the requested resource which lead to the service quota exception.

**resourceType**

The type of the requested resource which lead to the service quota exception.

**serviceCode**

The service code of the quota.

HTTP Status Code: 402

**ThrottlingException****message**

The exception message.

**quotaCode**

The quota code of the exception.

**retryAfterSeconds**

The number of seconds after which to retry the request.

**serviceCode**

The service code of the exception.

HTTP Status Code: 429

**ValidationException**

Returned when the request contains invalid parameters.

For UpdateResolverType, this error may occur when attempting an unsupported resolver type transition.

**fieldList**

The fields which lead to the exception.

**message**

The exception message.

**reason**

The reason for the exception.

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 Security Incident Response 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:

- [CaseAttachmentAttributes](#)
- [CaseEditItem](#)
- [CaseMetadataEntry](#)
- [GetMembershipAccountDetailError](#)
- [GetMembershipAccountDetailItem](#)
- [ImpactedAwsRegion](#)
- [IncidentResponder](#)
- [InvestigationAction](#)
- [InvestigationFeedback](#)
- [ListCasesItem](#)
- [ListCommentsItem](#)
- [ListMembershipItem](#)
- [MembershipAccountsConfigurations](#)
- [MembershipAccountsConfigurationsUpdate](#)
- [OptInFeature](#)
- [ThreatActorIp](#)
- [ValidationExceptionField](#)
- [Watcher](#)

# CaseAttachmentAttributes

## Contents

### attachmentId

Type: String

Pattern: `[0-9a-fA-F]{8}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{4}\b-[0-9a-fA-F]{12}`

Required: Yes

### attachmentStatus

Type: String

Valid Values: `Verified | Failed | Pending`

Required: Yes

### createdDate

Type: Timestamp

Required: Yes

### creator

Type: String

Pattern: `.*((^AWS Responder)|(^d{12}$)|(^arn:([^\:]*aws[^\:]*):(?:(:iam)::\d{12}:(?:user|role|group|root)(?:(:?/[^\:]+)+)?|(:sts)::\d{12}:assumed-role/[^\:]+/[^\:]+)$)|(^security-ir.amazonaws.com)).*`

Required: Yes

### fileName

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

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

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](#)

# CaseEditItem

## Contents

### action

Type: String

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

Required: No

### eventTimestamp

Type: Timestamp

Required: No

### message

Type: String

Length Constraints: Minimum length of 10. Maximum length of 4096.

Required: No

### principal

Type: String

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

# CaseMetadataEntry

Represents a single metadata entry associated with a case. Each entry consists of a key-value pair that provides additional contextual information about the case, such as classification tags, custom attributes, or system-generated properties.

## Contents

### key

The identifier for the metadata field. This key uniquely identifies the type of metadata being stored, such as "severity", "category", or "assignee".

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

### value

The value associated with the metadata key. This contains the actual data for the metadata field identified by the key.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

# GetMembershipAccountDetailError

## Contents

### accountId

Type: String

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

Required: Yes

### error

Type: String

Required: Yes

### message

Type: String

Required: Yes

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# GetMembershipAccountDetailItem

## Contents

### accountId

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

### relationshipStatus

Type: String

Valid Values: `Associated` | `Disassociated` | `Unassociated`

Required: No

### relationshipType

Type: String

Valid Values: `Organization` | `Unrelated`

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](#)



# ImpactedAwsRegion

## Contents

### region

Type: String

Valid Values: af-south-1 | ap-east-1 | ap-east-2 | ap-northeast-1 | ap-northeast-2 | ap-northeast-3 | ap-south-1 | ap-south-2 | ap-southeast-1 | ap-southeast-2 | ap-southeast-3 | ap-southeast-4 | ap-southeast-5 | ap-southeast-6 | ap-southeast-7 | ca-central-1 | ca-west-1 | cn-north-1 | cn-northwest-1 | eu-central-1 | eu-central-2 | eu-north-1 | eu-south-1 | eu-south-2 | eu-west-1 | eu-west-2 | eu-west-3 | il-central-1 | me-central-1 | me-south-1 | mx-central-1 | sa-east-1 | us-east-1 | us-east-2 | us-west-1 | us-west-2

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](#)

# IncidentResponder

## Contents

### email

Type: String

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: `[a-zA-Z0-9.!#$%&'*/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*`

Required: Yes

### jobTitle

Type: String

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

Required: Yes

### name

Type: String

Length Constraints: Minimum length of 3. Maximum length of 50.

Required: Yes

### communicationPreferences

Type: Array of strings

Valid Values: Case Created | Case Updated | Case Acknowledged | Case Closed | Case Updated To Service Managed | Case Status Updated | Case Pending Customer Action Reminder | Case Attachment Url Uploaded | Case Comment Added | Case Comment Updated | Membership Created | Membership Updated | Membership Cancelled | Register Delegated Administrator | Deregister Delegated Administrator | Disable AWS Service Access

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](#)

# InvestigationAction

Represents a specific action or recommendation generated during a security investigation. Investigation actions provide guidance on steps to take in response to security incidents.

## Contents

### actionType

The type or category of the investigation action, indicating the nature of the recommended step (e.g., containment, remediation, analysis).

Type: String

Valid Values: Evidence | Investigation | Summarization

Required: Yes

### content

Detailed information about the investigation action, including specific steps, context, and guidance for implementation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5000.

Required: Yes

### investigationId

The unique identifier of the investigation to which this action belongs.

Type: String

Pattern: `inv-[a-z0-9]{10,32}`

Required: Yes

### lastUpdated

The timestamp when the investigation action was last modified or updated.

Type: Timestamp

Required: Yes

### status

The current status of the investigation action (e.g., pending, in progress, completed, dismissed).

Type: String

Valid Values: Pending | InProgress | Waiting | Completed | Failed | Cancelled

Required: Yes

### title

A brief, descriptive title summarizing the investigation action.

Type: String

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

Required: Yes

### feedback

User feedback associated with this investigation action, including usefulness ratings and comments.

Type: [InvestigationFeedback](#) 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](#)

# InvestigationFeedback

Contains user feedback about an investigation action, including ratings and comments to help improve investigation quality.

## Contents

### comment

Optional text feedback providing additional details about the usefulness rating or suggestions for improvement.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

### submittedAt

The timestamp when the feedback was submitted.

Type: Timestamp

Required: No

### usefulness

A rating indicating how useful the investigation action was to the user.

Type: String

Valid Values: USEFUL | NOT\_USEFUL

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](#)

# ListCasesItem

## Contents

### caseId

Type: String

Length Constraints: Minimum length of 10. Maximum length of 32.

Pattern: `\d{10,32}.*`

Required: Yes

### caseArn

Type: String

Length Constraints: Minimum length of 12. Maximum length of 80.

Pattern: `arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:case/[0-9]{10}`

Required: No

### caseStatus

Type: String

Valid Values: Submitted | Acknowledged | Detection and Analysis | Containment, Eradication and Recovery | Post-incident Activities | Ready to Close | Closed

Required: No

### closedDate

Type: Timestamp

Required: No

**createdDate**

Type: Timestamp

Required: No

**engagementType**

Type: String

Valid Values: Security Incident | Investigation

Required: No

**lastUpdatedDate**

Type: Timestamp

Required: No

**pendingAction**

Type: String

Valid Values: Customer | None

Required: No

**resolverType**

Type: String

Valid Values: AWS | Self

Required: No

**title**

Type: String

Length Constraints: Minimum length of 1. Maximum length of 300.

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](#)

# ListCommentsItem

## Contents

### commentId

Type: String

Length Constraints: Fixed length of 6.

Pattern: `\d{6}`

Required: Yes

### body

Type: String

Length Constraints: Minimum length of 1. Maximum length of 12000.

Required: No

### createdDate

Type: Timestamp

Required: No

### creator

Type: String

Pattern: `.*((^AWS Responder)|(^d{12}$)|(^arn:([^:]*aws[^:]*):(?:(:iam)::\d{12}:(?:user|role|group|root)(?:(:?/[^/]+)+)?|(:sts)::\d{12}:assumed-role/[^/]+/[^/]+)$)|(^security-ir.amazonaws.com)).*`

Required: No

### lastUpdatedBy

Type: String

Pattern: `.*((^AWS Responder)|(^\\d{12}$)|(^arn:([^:]*aws[^:]*):(?:(:iam)::\\d{12}:(?:user|role|group|root)(?:(:/[^/]+)+)?|(:sts)::\\d{12}:assumed-role/[^/]+/[^/]+)$)|(^security-ir.amazonaws.com)).*`

Required: No

## **lastUpdatedDate**

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](#)

# ListMembershipItem

## Contents

### membershipId

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: m-[a-z0-9]{10,32}

Required: Yes

### accountId

Type: String

Length Constraints: Fixed length of 12.

Pattern: [0-9]{12}

Required: No

### membershipArn

Type: String

Length Constraints: Minimum length of 12. Maximum length of 80.

Pattern: arn:aws:security-ir:\w+?-\w+?-\d+:[0-9]{12}:membership/m-[a-z0-9]{10,32}

Required: No

### membershipStatus

Type: String

Valid Values: Active | Cancelled | Terminated

Required: No

## region

Type: String

Valid Values: af-south-1 | ap-east-1 | ap-east-2 | ap-northeast-1 | ap-northeast-2 | ap-northeast-3 | ap-south-1 | ap-south-2 | ap-southeast-1 | ap-southeast-2 | ap-southeast-3 | ap-southeast-4 | ap-southeast-5 | ap-southeast-6 | ap-southeast-7 | ca-central-1 | ca-west-1 | cn-north-1 | cn-northwest-1 | eu-central-1 | eu-central-2 | eu-north-1 | eu-south-1 | eu-south-2 | eu-west-1 | eu-west-2 | eu-west-3 | il-central-1 | me-central-1 | me-south-1 | mx-central-1 | sa-east-1 | us-east-1 | us-east-2 | us-west-1 | us-west-2

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](#)

# MembershipAccountsConfigurations

The `MembershipAccountsConfigurations` structure defines the configuration settings for managing membership accounts within AWS.

This structure contains settings that determine how member accounts are configured and managed within your organization, including:

- Account configuration preferences
- Membership validation rules
- Account access settings

You can use this structure to define and maintain standardized configurations across multiple member accounts in your organization.

## Contents

### `coverEntireOrganization`

The `coverEntireOrganization` field is a boolean value that determines whether the membership configuration applies to all accounts within an AWS Organization.

When set to `true`, the configuration will be applied across all accounts in the organization. When set to `false`, the configuration will only apply to specifically designated accounts under the AWS Organizational Units specified.

Type: Boolean

Required: No

### `organizationalUnits`

A list of organizational unit IDs that follow the pattern `ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}`. These IDs represent the organizational units within an AWS Organizations structure that are covered by the membership.

Each organizational unit ID in the list must:

- Begin with the prefix 'ou-'
- Contain between 4 and 32 alphanumeric characters in the first segment

- Contain between 8 and 32 alphanumeric characters in the second segment

Type: Array of strings

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

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# MembershipAccountsConfigurationsUpdate

The `MembershipAccountsConfigurationsUpdate` structure represents the configuration updates for member accounts within an AWS organization.

This structure is used to modify existing account configurations and settings for members in the organization. When applying updates, ensure all required fields are properly specified to maintain account consistency.

Key considerations when using this structure:

- All configuration changes are validated before being applied
- Updates are processed asynchronously in the background
- Configuration changes may take several minutes to propagate across all affected accounts

## Contents

### `coverEntireOrganization`

The `coverEntireOrganization` field is a boolean value that determines whether the membership configuration should be applied across the entire AWS Organization.

When set to `true`, the configuration will be applied to all accounts within the organization. When set to `false`, the configuration will only apply to specifically designated accounts.

Type: Boolean

Required: No

### `organizationalUnitsToAdd`

A list of organizational unit IDs to add to the membership configuration. Each organizational unit ID must match the pattern `ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}`.

The list must contain between 1 and 5 organizational unit IDs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

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

Required: No

### **organizationalUnitsToRemove**

A list of organizational unit IDs to remove from the membership configuration. Each organizational unit ID must match the pattern `ou-[0-9a-z]{4,32}-[a-z0-9]{8,32}`.

The list must contain between 1 and 5 organizational unit IDs per invocation of the API request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

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

Required: No

## **See Also**

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# OptInFeature

## Contents

### featureName

Type: String

Valid Values: Triage

Required: Yes

### isEnabled

Type: Boolean

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](#)

# ThreatActorIp

## Contents

### ipAddress

Type: String

Pattern: `(?:((?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.){3}(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?))|((?:[A-F0-9]{1,4}:){7}[A-F0-9]{1,4}|(?:[A-F0-9]{1,4}:){6}(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.){3}(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?))`

Required: Yes

### userAgent

Type: String

Length Constraints: Minimum length of 1. 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](#)

# ValidationExceptionField

## Contents

### message

Type: String

Required: Yes

### name

Type: String

Required: Yes

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# Watcher

## Contents

### email

Type: String

Length Constraints: Minimum length of 6. Maximum length of 254.

Pattern: `[a-zA-Z0-9.!#$%&'*/=?^_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)*`

Required: Yes

### jobTitle

Type: String

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

Required: No

### name

Type: String

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

Required: No

## See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

# 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