



API Reference

Account access manager



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Account access manager: API Reference

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Welcome

Account access manager enables you to manage applications and entitlements that grant IAM Identity Center principals access to IAM roles across accounts.

This document was last published on August 7, 2026.

Actions

The following actions are supported:

- [CreateApplication](#)
- [CreateEntitlement](#)
- [DeleteApplication](#)
- [DeleteEntitlement](#)
- [GetApplication](#)
- [GetEntitlement](#)
- [ListApplications](#)
- [ListEntitlements](#)
- [ListTagsForResource](#)
- [TagResource](#)
- [UntagResource](#)

CreateApplication

Creates an account access manager instance and its AWS account access application in the associated IAM Identity Center instance. This operation is idempotent; calling it multiple times with the same parameters returns the existing application.

Request Syntax

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

{
  "identitySource": { ... },
  "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.

[identitySource](#)

Specifies the identity source for the application. The identity source defines the IAM Identity Center instance that provides principals for entitlements.

Type: [IdentitySource](#) object

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

Required: Yes

[tags](#)

Specifies the tags to assign to the application.

Type: String to string map

Required: No

Response Syntax

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

{
  "applicationArn": "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.

[applicationArn](#)

The Amazon Resource Name (ARN) of the created application.

Type: String

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

AlreadyCreatedException

The resource you are trying to create already exists. To retrieve the existing resource, use the corresponding Get operation.

HTTP Status Code: 400

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)

CreateEntitlement

Creates an entitlement (assignment) in account access manager. An entitlement (assignment) grants a principal (IAM Identity Center user or group) permission to assume a specified IAM role in an AWS account. This operation is idempotent.

Request Syntax

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

{
  "applicationArn": "string",
  "entitlement": { ... }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

applicationArn

Specifies the ARN of the application to create the entitlement for.

Type: String

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

entitlement

Specifies the entitlement configuration, including the principal and the IAM role to grant access to.

Type: [Entitlement](#) object

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

Required: Yes

Response Syntax

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

{
  "entitlementId": "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.

[entitlementId](#)

The unique identifier of the created entitlement.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ServiceQuotaExceededException

The request exceeds a service quota for your account.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)
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- [AWS SDK for Ruby V3](#)

DeleteApplication

Deletes an account access manager application. This operation is idempotent; deleting an application that has already been deleted does not return an error.

Request Syntax

```
DELETE /applications/applicationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationArn

Specifies the ARN of the application to delete.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

Request Body

The request does not have a request body.

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

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)
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- [AWS SDK for PHP V3](#)
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- [AWS SDK for Ruby V3](#)

DeleteEntitlement

Deletes an entitlement from an account access manager application. This operation is idempotent; deleting an entitlement that has already been deleted does not return an error.

Request Syntax

```
DELETE /entitlements/entitlementId?applicationArn=applicationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationArn

Specifies the ARN of the application that the entitlement belongs to.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

entitlementId

Specifies the unique identifier of the entitlement to delete.

Required: Yes

Request Body

The request does not have a request body.

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

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

ConflictException

The request conflicts with the current state of the resource.

HTTP Status Code: 409

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)
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- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetApplication

Retrieves details about an account access manager application, including its status, identity source, and tags.

Request Syntax

```
GET /applications/applicationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationArn

Specifies the ARN of the application to retrieve.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9-]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
  "createdAt": "string",
  "error": {
    "code": "string",
    "message": "string"
  },
}
```

```
"identitySource": { ... },
"status": "string",
"tags": {
  "string" : "string"
},
"tenantId": "string",
"updatedAt": "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.

createdAt

The date and time when the application was created.

Type: Timestamp

error

The error details if the application is in a failed state.

Type: [ErrorDetails](#) object

identitySource

The identity source details for the application, including the IAM Identity Center instance configuration.

Type: [IdentitySourceDetails](#) object

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

status

The current status of the application.

Type: String

Valid Values: CREATE_IN_PROGRESS | ACTIVE | DELETE_IN_PROGRESS |
CREATE_FAILED | DELETE_FAILED

tags

The tags associated with the application.

Type: String to string map

tenantId

The tenant identifier associated with the application.

Type: String

updatedAt

The date and time when the application was last updated.

Type: Timestamp

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

InternalServerError

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)

GetEntitlement

Retrieves details about a specific entitlement for an account access manager application, including the principal, IAM role, and target account.

Request Syntax

```
GET /entitlements/entitlementId?applicationArn=applicationArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

applicationArn

Specifies the ARN of the application that the entitlement belongs to.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9-]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

entitlementId

Specifies the unique identifier of the entitlement to retrieve.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "applicationArn": "string",
```

```
"createdAt": "string",  
"entitlement": { ... },  
"entitlementId": "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.

[applicationArn](#)

The ARN of the application that the entitlement belongs to.

Type: String

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

[createdAt](#)

The date and time when the entitlement was created.

Type: Timestamp

[entitlement](#)

The entitlement details, including the principal, IAM role, and target account.

Type: [EntitlementDetails](#) object

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

[entitlementId](#)

The unique identifier of the entitlement.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)
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ListApplications

Lists the account access manager applications in your account. Use pagination to ensure that the operation returns quickly and successfully.

Request Syntax

```
POST /applications-list 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

Specifies the maximum number of results to return in a single call.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

Specifies the pagination token from a previous call to retrieve the next set of results.

Type: String

Required: No

Response Syntax

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

{
  "applications": [
    {
      "applicationArn": "string",
      "createdAt": "string",
      "tenantId": "string",
      "updatedAt": "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.

applications

The list of applications.

Type: Array of [ApplicationSummary](#) objects

nextToken

The pagination token to use in a subsequent request to retrieve the next set of results. This value is null when there are no more results to return.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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](#)
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- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListEntitlements

Lists the entitlements for a specified account access manager application. You can filter results by principal, IAM role, or account. Use pagination to ensure that the operation returns quickly and successfully.

Request Syntax

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

```
{
  "applicationArn": "string",
  "filter": {
    "principalRole": {
      "account": "string",
      "principal": { ... },
      "roleArn": "string"
    }
  },
  "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.

applicationArn

Specifies the ARN of the application to list entitlements for.

Type: String

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9-]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

filter

Specifies filter criteria to narrow the entitlements returned. You can filter by principal, IAM role, or account.

Type: [EntitlementFilter](#) object

Required: Yes

maxResults

Specifies the maximum number of results to return in a single call.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

nextToken

Specifies the pagination token from a previous call to retrieve the next set of results.

Type: String

Required: No

Response Syntax

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

{
  "entitlements": [
    {
      "createdAt": "string",
      "entitlement": { ... },
      "entitlementId": "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.

entitlements

The list of entitlements for the specified application.

Type: Array of [EntitlementsListMember](#) objects

nextToken

The pagination token to use in a subsequent request to retrieve the next set of results. This value is null when there are no more results to return.

Type: String

Errors

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

AccessDeniedException

You do not have sufficient access to perform this operation.

HTTP Status Code: 403

InternalServerError

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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

Lists the tags associated with an account access manager resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

Specifies the ARN of the resource to list tags for.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "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

The tags associated with the resource.

Type: String to string map

Errors

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

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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 tags to an account access manager resource.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

Specifies the ARN of the resource to add tags to.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9-]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

Specifies the tags to add to the resource.

Type: String to string map

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](#).

InternalServerError

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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 tags from an account access manager resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

Specifies the ARN of the resource to remove tags from.

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

tagKeys

Specifies the tag keys to remove from the resource.

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](#).

InternalServerErrorException

An internal service error occurred. Try your request again later.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource does not exist. Verify that the resource identifier is correct and that the resource exists in the current Region.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling. Try your request again later.

HTTP Status Code: 429

ValidationException

The input does not satisfy the constraints specified by the service. Check your request parameters and retry the request.

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 Account Access 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:

- [ApplicationSummary](#)
- [Entitlement](#)
- [EntitlementDetails](#)
- [EntitlementFilter](#)
- [EntitlementsListMember](#)
- [EntitlementSummary](#)
- [ErrorDetails](#)
- [IdentityCenter](#)
- [IdentityCenterDetails](#)
- [IdentityCenterPrincipal](#)
- [IdentityCenterPrincipalFilter](#)
- [IdentitySource](#)
- [IdentitySourceDetails](#)
- [Principal](#)
- [PrincipalFilter](#)
- [PrincipalRoleEntitlement](#)
- [PrincipalRoleEntitlementDetails](#)
- [PrincipalRoleEntitlementFilter](#)
- [PrincipalRoleEntitlementSummary](#)

ApplicationSummary

Contains summary information about an account access manager application.

Contents

applicationArn

The ARN of the IAM Identity Center application created for this account access manager application. This property is not required or supported as input. It can be read after creation.

Type: String

Length Constraints: Minimum length of 49. Maximum length of 2048.

Pattern: `arn:[a-z0-9-]+:account-access:[a-z0-9]+(-[a-z0-9]+)*:[0-9]{12}:application/[a-zA-Z0-9-]+`

Required: Yes

createdAt

The date and time when the application was created.

Type: Timestamp

Required: Yes

updatedAt

The date and time when the application was last updated.

Type: Timestamp

Required: Yes

tenantId

The tenant identifier associated with the application.

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](#)

Entitlement

Specifies the entitlement configuration for an account access manager application, defining which principal can assume which IAM role.

Contents

Important

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

principalRole

The principal-to-role mapping for the entitlement.

Type: [PrincipalRoleEntitlement](#) 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](#)

EntitlementDetails

Contains detailed information about an entitlement, including the principal, IAM role, and target account.

Contents

Important

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

principalRole

The principal-to-role mapping details for the entitlement, including the target account.

Type: [PrincipalRoleEntitlementDetails](#) 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](#)

EntitlementFilter

Specifies filter criteria for listing entitlements.

Contents

principalRole

The principal-to-role filter criteria for narrowing entitlement results.

Type: [PrincipalRoleEntitlementFilter](#) 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](#)

EntitlementsListMember

Contains information about an entitlement in a list result.

Contents

createdAt

The date and time when the entitlement was created.

Type: Timestamp

Required: Yes

entitlement

The summary information for the entitlement.

Type: [EntitlementSummary](#) object

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

Required: Yes

entitlementId

The unique identifier of the entitlement.

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](#)

EntitlementSummary

Contains summary information about an entitlement.

Contents

Important

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

principalRole

The principal-to-role mapping summary for the entitlement.

Type: [PrincipalRoleEntitlementSummary](#) 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](#)

ErrorDetails

Contains information about an error that occurred during application processing.

Contents

code

The error code that identifies the type of error.

Type: String

Valid Values: AUTHORIZATION_ERROR | RESOURCE_NOT_FOUND_ERROR | SERVICE_QUOTA_EXCEEDED_ERROR | INTERNAL_SERVICE_ERROR

Required: Yes

message

A human-readable message that describes the error.

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](#)

IdentityCenter

Specifies the IAM Identity Center instance to use as the identity source for an application.

Contents

instanceArn

The ARN of the IAM Identity Center instance.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:[a-z0-9-]+:sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}`

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](#)

IdentityCenterDetails

Contains detailed information about the IAM Identity Center configuration for an application.

Contents

instanceArn

The ARN of the IAM Identity Center instance.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:[a-z0-9-]+:sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}`

Required: Yes

applicationArn

The ARN of the IAM Identity Center application created for this account access manager application. This property is not required or supported as input. It can be read after creation.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 1224.

Pattern: `arn:[a-z0-9-]+:sso:::[0-9]{12}:application/(sso)?ins-[a-zA-Z0-9-]{16}/ap1-[a-zA-Z0-9]{16}`

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](#)

IdentityCenterPrincipal

Identifies a user or group from IAM Identity Center.

Contents

Important

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

groupId

The unique identifier of a group in IAM Identity Center.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: (`[0-9a-f]{10}-` | `)``[A-Fa-f0-9]{8}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{12}`

Required: No

userId

The unique identifier of a user in IAM Identity Center.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: (`[0-9a-f]{10}-` | `)``[A-Fa-f0-9]{8}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{4}`-`[A-Fa-f0-9]{12}`

Required: No

See Also

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

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

IdentityCenterPrincipalFilter

Specifies filter criteria for an IAM Identity Center principal.

Contents

Important

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

groupId

The unique identifier of a group in IAM Identity Center to filter by.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: ([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}

Required: No

userId

The unique identifier of a user in IAM Identity Center to filter by.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: ([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}

Required: No

See Also

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

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

IdentitySource

Specifies the identity source for an account access manager application.

Contents

Important

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

identityCenter

The IAM Identity Center instance to use as the identity source.

Type: [IdentityCenter](#) 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](#)

IdentitySourceDetails

Contains detailed information about the identity source for an application.

Contents

Important

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

identityCenter

The IAM Identity Center configuration details for the identity source.

Type: [IdentityCenterDetails](#) 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](#)

Principal

Identifies a principal (user or group) that can be granted entitlements.

Contents

Important

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

identityCenter

The IAM Identity Center principal (user or group).

Type: [IdentityCenterPrincipal](#) object

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

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](#)

PrincipalFilter

Specifies filter criteria for a principal.

Contents

Important

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

identityCenter

The IAM Identity Center principal filter criteria.

Type: [IdentityCenterPrincipalFilter](#) object

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

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](#)

PrincipalRoleEntitlement

Specifies a principal-to-role entitlement that grants an IAM Identity Center principal permission to assume an IAM role.

Contents

principal

The principal (user or group) that is granted access to assume the IAM role.

Type: [Principal](#) object

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

Required: Yes

roleArn

The ARN of the IAM role that the principal can assume.

Type: String

Pattern: `arn:[a-z0-9-]+:iam::[0-9]{12}:role/([a-zA-Z0-9+=, .@_-]+/)*[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](#)

PrincipalRoleEntitlementDetails

Contains detailed information about a principal-to-role entitlement, including the target account.

Contents

account

The 12-digit AWS account ID where the IAM role resides.

Type: String

Length Constraints: Fixed length of 12.

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

Required: Yes

principal

The principal (user or group) that is granted access to assume the IAM role.

Type: [Principal](#) object

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

Required: Yes

roleArn

The ARN of the IAM role that the principal can assume.

Type: String

Pattern: `arn:[a-z0-9-]+:iam:[0-9]{12}:role/([a-zA-Z0-9+,.@_-]+)/*[a-zA-Z0-9+,.@_-]+`

Required: Yes

accountName

The friendly name of the AWS account where the IAM role resides.

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](#)

PrincipalRoleEntitlementFilter

Specifies filter criteria for principal-to-role entitlements. All specified criteria must match for an entitlement to be returned.

Contents

account

The 12-digit AWS account ID to filter entitlements by.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

principal

The principal to filter entitlements by.

Type: [PrincipalFilter](#) object

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

Required: No

roleArn

The IAM role ARN to filter entitlements by.

Type: String

Pattern: `arn:[a-z0-9-]+:iam::[0-9]{12}:role/([a-zA-Z0-9+=[.@_-]+/)*[a-zA-Z0-9+=[.@_-]+`

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](#)

PrincipalRoleEntitlementSummary

Contains summary information about a principal-to-role entitlement.

Contents

account

The 12-digit AWS account ID where the IAM role resides.

Type: String

Length Constraints: Fixed length of 12.

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

Required: Yes

principal

The principal (user or group) that is granted access to assume the IAM role.

Type: [Principal](#) object

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

Required: Yes

roleArn

The ARN of the IAM role that the principal can assume.

Type: String

Pattern: `arn:[a-z0-9-]+:iam:[0-9]{12}:role/([a-zA-Z0-9+,.@_-]+)/[a-zA-Z0-9+,.@_-]+`

Required: Yes

accountName

The friendly name of the AWS account where the IAM role resides.

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](#)

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