



Portal API Reference

AWS IAM Identity Center



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AWS IAM Identity Center: Portal API Reference

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Welcome

AWS IAM Identity Center Portal is a web service that you can use to assign your users access to IAM Identity Center resources such as the AWS access portal. The AWS access portal provides your users with single sign-on access to their assigned AWS accounts and applications. For information about how to assign your users access to AWS accounts and applications, see the [IAM Identity Center User Guide](#).

Note

IAM Identity Center uses the `sso` and `identitystore` API namespaces.

This reference guide describes the AWS access portal operations that you can call programmatically, and it includes detailed information about data types and errors.

Note

AWS provides SDKs that consist of libraries and sample code for various programming languages and platforms, such as Java, Ruby, .Net, iOS, or Android. The SDKs provide a convenient way to programmatically access IAM Identity Center and other AWS services. For more information about the AWS SDKs, including how to download and install them, see [Tools for Amazon Web Services](#).

This document was last published on July 7, 2026.

Actions

The following actions are supported:

- [GetRoleCredentials](#)
- [ListAccountRoles](#)
- [ListAccounts](#)
- [Logout](#)

GetRoleCredentials

Returns the STS short-term credentials for a given role name that is assigned to the user.

Request Syntax

```
GET /federation/credentials?account_id=accountId&role_name=roleName HTTP/1.1
x-amz-ssr_bearer_token: accessToken
```

URI Request Parameters

The request uses the following URI parameters.

accessToken

The token issued by the `CreateToken` API call. For more information, see [CreateToken](#) in the *IAM Identity Center OIDC API Reference Guide*.

Required: Yes

accountId

The identifier for the AWS account that is assigned to the user.

Required: Yes

roleName

The friendly name of the role that is assigned to the user.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"roleCredentials": {  
  "accessKeyId": "string",  
  "expiration": number,  
  "secretAccessKey": "string",  
  "sessionToken": "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.

roleCredentials

The credentials for the role that is assigned to the user.

Type: [RoleCredentials](#) object

Errors

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

InvalidRequestException

Indicates that a problem occurred with the input to the request. For example, a required parameter might be missing or out of range.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Indicates that the request is being made too frequently and is more than what the server can handle.

HTTP Status Code: 429

UnauthorizedException

Indicates that the request is not authorized. This can happen due to an invalid access token in the request.

HTTP Status Code: 401

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](#)

ListAccountRoles

Lists all roles that are assigned to the user for a given AWS account.

Request Syntax

```
GET /assignment/roles?account_id=accountId&max_result=maxResults&next_token=nextToken
HTTP/1.1
x-amz-ssso-bearer-token: accessToken
```

URI Request Parameters

The request uses the following URI parameters.

accessToken

The token issued by the `CreateToken` API call. For more information, see [CreateToken](#) in the *IAM Identity Center OIDC API Reference Guide*.

Required: Yes

accountId

The identifier for the AWS account that is assigned to the user.

Required: Yes

maxResults

The number of items that clients can request per page.

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

nextToken

The page token from the previous response output when you request subsequent pages.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "roleList": [
    {
      "accountId": "string",
      "roleName": "string"
    }
  ]
}
```

Response Elements

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

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

nextToken

The page token client that is used to retrieve the list of accounts.

Type: String

roleList

A paginated response with the list of roles and the next token if more results are available.

Type: Array of [RoleInfo](#) objects

Errors

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

InvalidRequestException

Indicates that a problem occurred with the input to the request. For example, a required parameter might be missing or out of range.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Indicates that the request is being made too frequently and is more than what the server can handle.

HTTP Status Code: 429

UnauthorizedException

Indicates that the request is not authorized. This can happen due to an invalid access token in the request.

HTTP Status Code: 401

See Also

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

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- [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](#)

ListAccounts

Lists all AWS accounts assigned to the user. These AWS accounts are assigned by the administrator of the account. For more information, see [Assign User Access](#) in the *IAM Identity Center User Guide*. This operation returns a paginated response.

Request Syntax

```
GET /assignment/accounts?max_result=maxResults&next_token=nextToken HTTP/1.1
x-amz-ssr_bearer_token: accessToken
```

URI Request Parameters

The request uses the following URI parameters.

[accessToken](#)

The token issued by the CreateToken API call. For more information, see [CreateToken](#) in the *IAM Identity Center OIDC API Reference Guide*.

Required: Yes

[maxResults](#)

This is the number of items clients can request per page.

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

[nextToken](#)

(Optional) When requesting subsequent pages, this is the page token from the previous response output.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "accountList": [
    {
      "accountId": "string",
      "accountName": "string",
      "emailAddress": "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.

accountList

A paginated response with the list of account information and the next token if more results are available.

Type: Array of [AccountInfo](#) objects

nextToken

The page token client that is used to retrieve the list of accounts.

Type: String

Errors

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

InvalidRequestException

Indicates that a problem occurred with the input to the request. For example, a required parameter might be missing or out of range.

HTTP Status Code: 400

ResourceNotFoundException

The specified resource doesn't exist.

HTTP Status Code: 404

TooManyRequestsException

Indicates that the request is being made too frequently and is more than what the server can handle.

HTTP Status Code: 429

UnauthorizedException

Indicates that the request is not authorized. This can happen due to an invalid access token in the request.

HTTP Status Code: 401

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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Logout

Removes the locally stored SSO tokens from the client-side cache and sends an API call to the IAM Identity Center service to invalidate the corresponding server-side IAM Identity Center sign in session.

Note

If a user uses IAM Identity Center to access the AWS CLI, the user's IAM Identity Center sign in session is used to obtain an IAM session, as specified in the corresponding IAM Identity Center permission set. More specifically, IAM Identity Center assumes an IAM role in the target account on behalf of the user, and the corresponding temporary AWS credentials are returned to the client.

After user logout, any existing IAM role sessions that were created by using IAM Identity Center permission sets continue based on the duration configured in the permission set. For more information, see [User authentications](#) in the *IAM Identity Center User Guide*.

Request Syntax

```
POST /logout HTTP/1.1
x-amz-sso_bearer_token: accessToken
```

URI Request Parameters

The request uses the following URI parameters.

accessToken

The token issued by the CreateToken API call. For more information, see [CreateToken](#) in the *IAM Identity Center OIDC API Reference Guide*.

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](#).

InvalidRequestException

Indicates that a problem occurred with the input to the request. For example, a required parameter might be missing or out of range.

HTTP Status Code: 400

TooManyRequestsException

Indicates that the request is being made too frequently and is more than what the server can handle.

HTTP Status Code: 429

UnauthorizedException

Indicates that the request is not authorized. This can happen due to an invalid access token in the request.

HTTP Status Code: 401

See Also


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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS IAM Identity Center 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:

- [AccountInfo](#)
- [RoleCredentials](#)
- [RoleInfo](#)

AccountInfo

Provides information about your AWS account.

Contents

accountId

The identifier of the AWS account that is assigned to the user.

Type: String

Required: No

accountName

The display name of the AWS account that is assigned to the user.

Type: String

Required: No

emailAddress

The email address of the AWS account that is assigned to the user.

Type: String

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

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](#)

RoleCredentials

Provides information about the role credentials that are assigned to the user.

Contents

accessKeyId

The identifier used for the temporary security credentials. For more information, see [Using Temporary Security Credentials to Request Access to AWS Resources](#) in the *AWS IAM Identity Center User Guide*.

Type: String

Required: No

expiration

The date on which temporary security credentials expire.

Type: Long

Required: No

secretAccessKey

The key that is used to sign the request. For more information, see [Using Temporary Security Credentials to Request Access to AWS Resources](#) in the *AWS IAM Identity Center User Guide*.

Type: String

Required: No

sessionToken

The token used for temporary credentials. For more information, see [Using Temporary Security Credentials to Request Access to AWS Resources](#) in the *AWS IAM Identity Center User Guide User Guide*.

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](#)

RoleInfo

Provides information about the role that is assigned to the user.

Contents

accountId

The identifier of the AWS account assigned to the user.

Type: String

Required: No

roleName

The friendly name of the role that is assigned to the user.

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