
IAM Identity Center

API Reference



IAM Identity Center: API Reference

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Welcome to the IAM Identity Center API Reference

With AWS IAM Identity Center, you can manage sign-in security for your *workforce identities*, also known as workforce users. IAM Identity Center provides one place where you can create or connect workforce users and manage their access centrally across all their AWS accounts and applications. IAM Identity Center is the recommended approach for workforce authentication and authorization in AWS, for organizations of any size and type.

Note

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

This guide provides information about single sign-on operations that you can use to manage access to AWS accounts. For information about IAM Identity Center features, see the [IAM Identity Center User Guide](#).

Many operations in the IAM Identity Center APIs rely on identifiers for users and groups, known as principals. For more information about how to work with principals and principal IDs in IAM Identity Center, see the [Identity Store API Reference](#).

Note

AWS provides SDKs that consist of libraries and sample code for various programming languages and platforms (Java, Ruby, .Net, iOS, Android, and more). 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](#).

Actions

The following actions are supported:

- [AttachCustomerManagedPolicyReferenceToPermissionSet \(p. 3\)](#)
- [AttachManagedPolicyToPermissionSet \(p. 6\)](#)
- [CreateAccountAssignment \(p. 9\)](#)
- [CreateInstanceAccessControlAttributeConfiguration \(p. 13\)](#)
- [CreatePermissionSet \(p. 16\)](#)
- [DeleteAccountAssignment \(p. 20\)](#)
- [DeleteInlinePolicyFromPermissionSet \(p. 24\)](#)
- [DeleteInstanceAccessControlAttributeConfiguration \(p. 26\)](#)
- [DeletePermissionsBoundaryFromPermissionSet \(p. 28\)](#)
- [DeletePermissionSet \(p. 30\)](#)
- [DescribeAccountAssignmentCreationStatus \(p. 32\)](#)
- [DescribeAccountAssignmentDeletionStatus \(p. 35\)](#)
- [DescribeInstanceAccessControlAttributeConfiguration \(p. 38\)](#)
- [DescribePermissionSet \(p. 41\)](#)
- [DescribePermissionSetProvisioningStatus \(p. 44\)](#)
- [DetachCustomerManagedPolicyReferenceFromPermissionSet \(p. 47\)](#)
- [DetachManagedPolicyFromPermissionSet \(p. 49\)](#)
- [GetInlinePolicyForPermissionSet \(p. 52\)](#)
- [GetPermissionsBoundaryForPermissionSet \(p. 55\)](#)
- [ListAccountAssignmentCreationStatus \(p. 58\)](#)
- [ListAccountAssignmentDeletionStatus \(p. 61\)](#)
- [ListAccountAssignments \(p. 64\)](#)
- [ListAccountsForProvisionedPermissionSet \(p. 67\)](#)
- [ListCustomerManagedPolicyReferencesInPermissionSet \(p. 70\)](#)
- [ListInstances \(p. 73\)](#)
- [ListManagedPoliciesInPermissionSet \(p. 76\)](#)
- [ListPermissionSetProvisioningStatus \(p. 79\)](#)
- [ListPermissionSets \(p. 82\)](#)
- [ListPermissionSetsProvisionedToAccount \(p. 85\)](#)
- [ListTagsForResource \(p. 88\)](#)
- [ProvisionPermissionSet \(p. 91\)](#)
- [PutInlinePolicyToPermissionSet \(p. 94\)](#)
- [PutPermissionsBoundaryToPermissionSet \(p. 97\)](#)
- [TagResource \(p. 100\)](#)
- [UntagResource \(p. 103\)](#)
- [UpdateInstanceAccessControlAttributeConfiguration \(p. 106\)](#)
- [UpdatePermissionSet \(p. 108\)](#)

AttachCustomerManagedPolicyReferenceToPermissionSet

Attaches the specified customer managed policy to the specified [PermissionSet \(p. 125\)](#).

Request Syntax

```
{
  "CustomerManagedPolicyReference": {
    "Name": "string",
    "Path": "string"
  },
  "InstanceArn": "string",
  "PermissionSetArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[CustomerManagedPolicyReference \(p. 3\)](#)

Specifies the name and path of a customer managed policy. You must have an IAM policy that matches the name and path in each AWS account where you want to deploy your permission set.

Type: [CustomerManagedPolicyReference \(p. 120\)](#) object

Required: Yes

[InstanceArn \(p. 3\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-./]{16}$`

Required: Yes

[PermissionSetArn \(p. 3\)](#)

The ARN of the PermissionSet.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-./]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

AttachManagedPolicyToPermissionSet

Attaches an AWS managed policy ARN to a permission set.

Note

If the permission set is already referenced by one or more account assignments, you will need to call [ProvisionPermissionSet \(p. 91\)](#) after this operation. Calling `ProvisionPermissionSet` applies the corresponding IAM policy updates to all assigned accounts.

Request Syntax

```
{
  "InstanceArn": "string",
  "ManagedPolicyArn": "string",
  "PermissionSetArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 6\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[ManagedPolicyArn \(p. 6\)](#)

The AWS managed policy ARN to be attached to a permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):iam::aws:policy/[\p{L}\p{M}\p{Z}\p{S}\p{N}\p{P}]+$`

Required: Yes

[PermissionSetArn \(p. 6\)](#)

The ARN of the [PermissionSet \(p. 125\)](#) that the managed policy should be attached to.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateAccountAssignment

Assigns access to a principal for a specified AWS account using a specified permission set.

Note

The term *principal* here refers to a user or group that is defined in IAM Identity Center.

Note

As part of a successful `CreateAccountAssignment` call, the specified permission set will automatically be provisioned to the account in the form of an IAM policy. That policy is attached to the IAM role created in IAM Identity Center. If the permission set is subsequently updated, the corresponding IAM policies attached to roles in your accounts will not be updated automatically. In this case, you must call [ProvisionPermissionSet \(p. 91\)](#) to make these updates.

Note

After a successful response, call `DescribeAccountAssignmentCreationStatus` to describe the status of an assignment creation request.

Request Syntax

```
{
  "InstanceArn": "string",
  "PermissionSetArn": "string",
  "PrincipalId": "string",
  "PrincipalType": "string",
  "TargetId": "string",
  "TargetType": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 9\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 9\)](#)

The ARN of the permission set that the admin wants to grant the principal access to.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[PrincipalId \(p. 9\)](#)

An identifier for an object in IAM Identity Center, such as a user or group. PrincipalIds are GUIDs (For example, f81d4fae-7dec-11d0-a765-00a0c91e6bf6). For more information about PrincipalIds in IAM Identity Center, see the [IAM Identity Center Identity Store API Reference](#).

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: Yes

[PrincipalType \(p. 9\)](#)

The entity type for which the assignment will be created.

Type: String

Valid Values: USER | GROUP

Required: Yes

[TargetId \(p. 9\)](#)

TargetID is an AWS account identifier, (For example, 123456789012).

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

[TargetType \(p. 9\)](#)

The entity type for which the assignment will be created.

Type: String

Valid Values: AWS_ACCOUNT

Required: Yes

Response Syntax

```
{
  "AccountAssignmentCreationStatus": {
    "CreatedDate": number,
    "FailureReason": "string",
    "PermissionSetArn": "string",
    "PrincipalId": "string",
    "PrincipalType": "string",
    "RequestId": "string",
    "Status": "string",
```

```
    "TargetId": "string",  
    "TargetType": "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.

[AccountAssignmentCreationStatus \(p. 10\)](#)

The status object for the account assignment creation operation.

Type: [AccountAssignmentOperationStatus \(p. 116\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateInstanceAccessControlAttributeConfiguration

Enables the attributes-based access control (ABAC) feature for the specified IAM Identity Center instance. You can also specify new attributes to add to your ABAC configuration during the enabling process. For more information about ABAC, see [Attribute-Based Access Control](#) in the *IAM Identity Center User Guide*.

Note

After a successful response, call `DescribeInstanceAccessControlAttributeConfiguration` to validate that `InstanceAccessControlAttributeConfiguration` was created.

Request Syntax

```
{
  "InstanceAccessControlAttributeConfiguration": {
    "AccessControlAttributes": [
      {
        "Key": "string",
        "Value": {
          "Source": [ "string" ]
        }
      }
    ]
  },
  "InstanceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceAccessControlAttributeConfiguration \(p. 13\)](#)

Specifies the IAM Identity Center identity store attributes to add to your ABAC configuration. When using an external identity provider as an identity source, you can pass attributes through the SAML assertion. Doing so provides an alternative to configuring attributes from the IAM Identity Center identity store. If a SAML assertion passes any of these attributes, IAM Identity Center will replace the attribute value with the value from the IAM Identity Center identity store.

Type: [InstanceAccessControlAttributeConfiguration \(p. 121\)](#) object

Required: Yes

[InstanceArn \(p. 13\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

CreatePermissionSet

Creates a permission set within a specified IAM Identity Center instance.

Note

To grant users and groups access to AWS account resources, use [CreateAccountAssignment \(p. 9\)](#).

Request Syntax

```
{
  "Description": "string",
  "InstanceArn": "string",
  "Name": "string",
  "RelayState": "string",
  "SessionDuration": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[Description \(p. 16\)](#)

The description of the [PermissionSet \(p. 125\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 700.

Pattern: `^[^\u0009\u000A\u000D\u0020-\u007E\u00A1-\u00FF]*$`

Required: No

[InstanceArn \(p. 16\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[Name \(p. 16\)](#)

The name of the [PermissionSet \(p. 125\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: ^[\w+=, .@-]+\$

Required: Yes

[RelayState \(p. 16\)](#)

Used to redirect users within the application during the federation authentication process.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 240.

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

Required: No

[SessionDuration \(p. 16\)](#)

The length of time that the application user sessions are valid in the ISO-8601 standard.

Type: String

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

Pattern: ^(-?)P(?:\d|T\d)(?:\d+)Y(?:\d+)M(?:\d+)([DW])?(?:T(?:\d+)H)?(?:\d+)M(?:\d+(?:\.\d+)?)S)?)?\$

Required: No

[Tags \(p. 16\)](#)

The tags to attach to the new [PermissionSet \(p. 125\)](#).

Type: Array of [Tag \(p. 130\)](#) objects

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

Required: No

Response Syntax

```
{
  "PermissionSet": {
    "CreateDate": number,
    "Description": "string",
    "Name": "string",
    "PermissionSetArn": "string",
    "RelayState": "string",
    "SessionDuration": "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.

[PermissionSet \(p. 17\)](#)

Defines the level of access on an AWS account.

Type: [PermissionSet \(p. 125\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

DeleteAccountAssignment

Deletes a principal's access from a specified AWS account using a specified permission set.

Note

After a successful response, call `DescribeAccountAssignmentDeletionStatus` to describe the status of an assignment deletion request.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string",  
  "PrincipalId": "string",  
  "PrincipalType": "string",  
  "TargetId": "string",  
  "TargetType": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 20\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 20\)](#)

The ARN of the permission set that will be used to remove access.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

[PrincipalId \(p. 20\)](#)

An identifier for an object in IAM Identity Center, such as a user or group. PrincipalIds are GUIDs (For example, f81d4fae-7dec-11d0-a765-00a0c91e6bf6). For more information about PrincipalIds in IAM Identity Center, see the [IAM Identity Center Identity Store API Reference](#).

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: Yes

[PrincipalType \(p. 20\)](#)

The entity type for which the assignment will be deleted.

Type: String

Valid Values: USER | GROUP

Required: Yes

[TargetId \(p. 20\)](#)

TargetID is an AWS account identifier, (For example, 123456789012).

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

[TargetType \(p. 20\)](#)

The entity type for which the assignment will be deleted.

Type: String

Valid Values: AWS_ACCOUNT

Required: Yes

Response Syntax

```
{
  "AccountAssignmentDeletionStatus": {
    "CreateDate": number,
    "FailureReason": "string",
    "PermissionSetArn": "string",
    "PrincipalId": "string",
    "PrincipalType": "string",
    "RequestId": "string",
    "Status": "string",
    "TargetId": "string",
    "TargetType": "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.

[AccountAssignmentDeletionStatus \(p. 21\)](#)

The status object for the account assignment deletion operation.

Type: [AccountAssignmentOperationStatus \(p. 116\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

DeleteInlinePolicyFromPermissionSet

Deletes the inline policy from a specified permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 24\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 24\)](#)

The ARN of the permission set that will be used to remove access.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteInstanceAccessControlAttributeConfiguration

Disables the attributes-based access control (ABAC) feature for the specified IAM Identity Center instance and deletes all of the attribute mappings that have been configured. Once deleted, any attributes that are received from an identity source and any custom attributes you have previously configured will not be passed. For more information about ABAC, see [Attribute-Based Access Control](#) in the *IAM Identity Center User Guide*.

Request Syntax

```
{  
  "InstanceArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 26\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeletePermissionsBoundaryFromPermissionSet

Deletes the permissions boundary from a specified [PermissionSet \(p. 125\)](#).

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 28\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 28\)](#)

The ARN of the PermissionSet.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeletePermissionSet

Deletes the specified permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 30\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 30\)](#)

The ARN of the permission set that should be deleted.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeAccountAssignmentCreationStatus

Describes the status of the assignment creation request.

Request Syntax

```
{  
  "AccountAssignmentCreationRequestId": "string",  
  "InstanceArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 131).

The request accepts the following data in JSON format.

[AccountAssignmentCreationRequestId](#) (p. 32)

The identifier that is used to track the request operation progress.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: Yes

[InstanceArn](#) (p. 32)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

Response Syntax

```
{  
  "AccountAssignmentCreationStatus": {  
    "CreateDate": number,  
    "FailureReason": "string",  
    "PermissionSetArn": "string",  
    "PrincipalId": "string",  
    "PrincipalType": "string",  
    "RequestId": "string",  
  }
```



```
    "Status": "string",  
    "TargetId": "string",  
    "TargetType": "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.

[AccountAssignmentCreationStatus \(p. 32\)](#)

The status object for the account assignment creation operation.

Type: [AccountAssignmentOperationStatus \(p. 116\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

DescribeAccountAssignmentDeletionStatus

Describes the status of the assignment deletion request.

Request Syntax

```
{  
  "AccountAssignmentDeletionRequestId": "string",  
  "InstanceArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 131).

The request accepts the following data in JSON format.

[AccountAssignmentDeletionRequestId](#) (p. 35)

The identifier that is used to track the request operation progress.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: Yes

[InstanceArn](#) (p. 35)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

Response Syntax

```
{  
  "AccountAssignmentDeletionStatus": {  
    "CreateDate": number,  
    "FailureReason": "string",  
    "PermissionSetArn": "string",  
    "PrincipalId": "string",  
    "PrincipalType": "string",  
    "RequestId": "string",  
  }  
}
```

```
    "Status": "string",  
    "TargetId": "string",  
    "TargetType": "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.

[AccountAssignmentDeletionStatus \(p. 35\)](#)

The status object for the account assignment deletion operation.

Type: [AccountAssignmentOperationStatus \(p. 116\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

DescribeInstanceAccessControlAttributeConfiguration

Returns the list of IAM Identity Center identity store attributes that have been configured to work with attributes-based access control (ABAC) for the specified IAM Identity Center instance. This will not return attributes configured and sent by an external identity provider. For more information about ABAC, see [Attribute-Based Access Control](#) in the *IAM Identity Center User Guide*.

Request Syntax

```
{  
  "InstanceArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 38\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

Response Syntax

```
{  
  "InstanceAccessControlAttributeConfiguration": {  
    "AccessControlAttributes": [  
      {  
        "Key": "string",  
        "Value": {  
          "Source": [ "string" ]  
        }  
      }  
    ]  
  },  
  "Status": "string",  
  "StatusReason": "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.

[InstanceAccessControlAttributeConfiguration \(p. 38\)](#)

Gets the list of IAM Identity Center identity store attributes that have been added to your ABAC configuration.

Type: [InstanceAccessControlAttributeConfiguration \(p. 121\)](#) object

[Status \(p. 38\)](#)

The status of the attribute configuration process.

Type: String

Valid Values: ENABLED | CREATION_IN_PROGRESS | CREATION_FAILED

[StatusReason \(p. 38\)](#)

Provides more details about the current status of the specified attribute.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

DescribePermissionSet

Gets the details of the permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 41\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 41\)](#)

The ARN of the permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

Response Syntax

```
{  
  "PermissionSet": {  
    "CreateDate": number,  
    "Description": "string",  
    "Name": "string",  
    "PermissionSetArn": "string",  
    "RelayState": "string",  
    "SessionDuration": "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.

[PermissionSet \(p. 41\)](#)

Describes the level of access on an AWS account.

Type: [PermissionSet \(p. 125\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

DescribePermissionSetProvisioningStatus

Describes the status for the given permission set provisioning request.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "ProvisionPermissionSetRequestId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 44\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}$`

Required: Yes

[ProvisionPermissionSetRequestId \(p. 44\)](#)

The identifier that is provided by the [ProvisionPermissionSet \(p. 91\)](#) call to retrieve the current status of the provisioning workflow.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: Yes

Response Syntax

```
{  
  "PermissionSetProvisioningStatus": {  
    "AccountId": "string",  
    "CreateDate": number,  
    "FailureReason": "string",  
    "PermissionSetArn": "string",  
    "RequestId": "string",
```

```
    "Status": "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.

[PermissionSetProvisioningStatus \(p. 44\)](#)

The status object for the permission set provisioning operation.

Type: [PermissionSetProvisioningStatus \(p. 127\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

DetachCustomerManagedPolicyReferenceFromPermissionSet

Detaches the specified customer managed policy from the specified [PermissionSet \(p. 125\)](#).

Request Syntax

```
{
  "CustomerManagedPolicyReference": {
    "Name": "string",
    "Path": "string"
  },
  "InstanceArn": "string",
  "PermissionSetArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[CustomerManagedPolicyReference \(p. 47\)](#)

Specifies the name and path of a customer managed policy. You must have an IAM policy that matches the name and path in each AWS account where you want to deploy your permission set.

Type: [CustomerManagedPolicyReference \(p. 120\)](#) object

Required: Yes

[InstanceArn \(p. 47\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 47\)](#)

The ARN of the PermissionSet.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DetachManagedPolicyFromPermissionSet

Detaches the attached AWS managed policy ARN from the specified permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "ManagedPolicyArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 49\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[ManagedPolicyArn \(p. 49\)](#)

The AWS managed policy ARN to be detached from a permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):iam::aws:policy/[\p{L}\p{M}\p{Z}\p{S}\p{N}\p{P}]+$`

Required: Yes

[PermissionSetArn \(p. 49\)](#)

The ARN of the [PermissionSet \(p. 125\)](#) from which the policy should be detached.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

GetInlinePolicyForPermissionSet

Obtains the inline policy assigned to the permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 52\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-./]{16}$`

Required: Yes

[PermissionSetArn \(p. 52\)](#)

The ARN of the permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-./]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

Response Syntax

```
{  
  "InlinePolicy": "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.

[InlinePolicy \(p. 52\)](#)

The inline policy that is attached to the permission set.

Note

For `Length Constraints`, if a valid ARN is provided for a permission set, it is possible for an empty inline policy to be returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32768.

Pattern: `^\[\u0009\u000A\u000D\u0020-\u00FF\]+$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

GetPermissionsBoundaryForPermissionSet

Obtains the permissions boundary for a specified [PermissionSet \(p. 125\)](#).

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 55\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 55\)](#)

The ARN of the PermissionSet.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

Response Syntax

```
{  
  "PermissionsBoundary": {  
    "CustomerManagedPolicyReference": {  
      "Name": "string",  
      "Path": "string"  
    },  
    "ManagedPolicyArn": "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.

[PermissionsBoundary \(p. 55\)](#)

The permissions boundary attached to the specified permission set.

Type: [PermissionsBoundary \(p. 124\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)

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

ListAccountAssignmentCreationStatus

Lists the status of the AWS account assignment creation requests for a specified IAM Identity Center instance.

Request Syntax

```
{
  "Filter": {
    "Status": "string"
  },
  "InstanceArn": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[Filter \(p. 58\)](#)

Filters results based on the passed attribute value.

Type: [OperationStatusFilter \(p. 123\)](#) object

Required: No

[InstanceArn \(p. 58\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 58\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 58\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Required: No

Response Syntax

```
{
  "AccountAssignmentsCreationStatus": [
    {
      "CreatedDate": number,
      "RequestId": "string",
      "Status": "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.

[AccountAssignmentsCreationStatus \(p. 59\)](#)

The status object for the account assignment creation operation.

Type: Array of [AccountAssignmentOperationStatusMetadata \(p. 118\)](#) objects

[NextToken \(p. 59\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAccountAssignmentDeletionStatus

Lists the status of the AWS account assignment deletion requests for a specified IAM Identity Center instance.

Request Syntax

```
{  
  "Filter": {  
    "Status": "string"  
  },  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[Filter \(p. 61\)](#)

Filters results based on the passed attribute value.

Type: [OperationStatusFilter \(p. 123\)](#) object

Required: No

[InstanceArn \(p. 61\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 61\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 61\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Required: No

Response Syntax

```
{
  "AccountAssignmentsDeletionStatus": [
    {
      "CreateDate": number,
      "RequestId": "string",
      "Status": "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.

[AccountAssignmentsDeletionStatus \(p. 62\)](#)

The status object for the account assignment deletion operation.

Type: Array of [AccountAssignmentOperationStatusMetadata \(p. 118\)](#) objects

[NextToken \(p. 62\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAccountAssignments

Lists the assignee of the specified AWS account with the specified permission set.

Request Syntax

```
{  
  "AccountId": "string",  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[AccountId \(p. 64\)](#)

The identifier of the AWS account from which to list the assignments.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

[InstanceArn \(p. 64\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 64\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 64\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Required: No

[PermissionSetArn \(p. 64\)](#)

The ARN of the permission set from which to list assignments.

Type: String

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

Pattern: ^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}\$

Required: Yes

Response Syntax

```
{
  "AccountAssignments": [
    {
      "AccountId": "string",
      "PermissionSetArn": "string",
      "PrincipalId": "string",
      "PrincipalType": "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.

[AccountAssignments \(p. 65\)](#)

The list of assignments that match the input AWS account and permission set.

Type: Array of [AccountAssignment \(p. 114\)](#) objects

[NextToken \(p. 65\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAccountsForProvisionedPermissionSet

Lists all the AWS accounts where the specified permission set is provisioned.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "PermissionSetArn": "string",  
  "ProvisioningStatus": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 67\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 67\)](#)

The maximum number of results to display for the [PermissionSet \(p. 125\)](#).

Type: Integer

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

Required: No

[NextToken \(p. 67\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

[PermissionSetArn \(p. 67\)](#)

The ARN of the [PermissionSet \(p. 125\)](#) from which the associated AWS accounts will be listed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[ProvisioningStatus \(p. 67\)](#)

The permission set provisioning status for an AWS account.

Type: String

Valid Values: LATEST_PERMISSION_SET_PROVISIONED | LATEST_PERMISSION_SET_NOT_PROVISIONED

Required: No

Response Syntax

```
{
  "AccountIds": [ "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.

[AccountIds \(p. 68\)](#)

The list of AWS AccountIds.

Type: Array of strings

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

[NextToken \(p. 68\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCustomerManagedPolicyReferencesInPermissionSet

Lists all customer managed policies attached to a specified [PermissionSet \(p. 125\)](#).

Request Syntax

```
{  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 70\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 70\)](#)

The maximum number of results to display for the list call.

Type: Integer

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

Required: No

[NextToken \(p. 70\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

[PermissionSetArn \(p. 70\)](#)

The ARN of the PermissionSet.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

Response Syntax

```
{
  "CustomerManagedPolicyReferences": [
    {
      "Name": "string",
      "Path": "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.

CustomerManagedPolicyReferences (p. 71)

Specifies the names and paths of the customer managed policies that you have attached to your permission set.

Type: Array of [CustomerManagedPolicyReference \(p. 120\)](#) objects

NextToken (p. 71)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListInstances

Lists the IAM Identity Center instances that the caller has access to.

Request Syntax

```
{  
  "MaxResults": number,  
  "NextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[MaxResults \(p. 73\)](#)

The maximum number of results to display for the instance.

Type: Integer

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

Required: No

[NextToken \(p. 73\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

Response Syntax

```
{  
  "Instances": [  
    {  
      "IdentityStoreId": "string",  
      "InstanceArn": "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.

[Instances \(p. 73\)](#)

Lists the IAM Identity Center instances that the caller has access to.

Type: Array of [InstanceMetadata \(p. 122\)](#) objects

[NextToken \(p. 73\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)

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

ListManagedPoliciesInPermissionSet

Lists the AWS managed policy that is attached to a specified permission set.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 76\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 76\)](#)

The maximum number of results to display for the [PermissionSet \(p. 125\)](#).

Type: Integer

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

Required: No

[NextToken \(p. 76\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

[PermissionSetArn \(p. 76\)](#)

The ARN of the [PermissionSet \(p. 125\)](#) whose managed policies will be listed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

Response Syntax

```
{
  "AttachedManagedPolicies": [
    {
      "Arn": "string",
      "Name": "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.

[AttachedManagedPolicies \(p. 77\)](#)

An array of the [AttachedManagedPolicy \(p. 119\)](#) data type object.

Type: Array of [AttachedManagedPolicy \(p. 119\)](#) objects

[NextToken \(p. 77\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPermissionSetProvisioningStatus

Lists the status of the permission set provisioning requests for a specified IAM Identity Center instance.

Request Syntax

```
{
  "Filter": {
    "Status": "string"
  },
  "InstanceArn": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[Filter \(p. 79\)](#)

Filters results based on the passed attribute value.

Type: [OperationStatusFilter \(p. 123\)](#) object

Required: No

[InstanceArn \(p. 79\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 79\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 79\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "PermissionSetsProvisioningStatus": [
    {
      "CreateDate": number,
      "RequestId": "string",
      "Status": "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 \(p. 80\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

[PermissionSetsProvisioningStatus \(p. 80\)](#)

The status object for the permission set provisioning operation.

Type: Array of [PermissionSetProvisioningStatusMetadata \(p. 129\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPermissionSets

Lists the [PermissionSet \(p. 125\)](#)s in an IAM Identity Center instance.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 82\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 82\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 82\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

Response Syntax

```
{  
  "NextToken": "string",  
  "PermissionSets": [ "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 \(p. 83\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

[PermissionSets \(p. 83\)](#)

Defines the level of access on an AWS account.

Type: Array of strings

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

Pattern: ^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}\$

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPermissionSetsProvisionedToAccount

Lists all the permission sets that are provisioned to a specified AWS account.

Request Syntax

```
{  
  "AccountId": "string",  
  "InstanceArn": "string",  
  "MaxResults": number,  
  "NextToken": "string",  
  "ProvisioningStatus": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[AccountId \(p. 85\)](#)

The identifier of the AWS account from which to list the assignments.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: Yes

[InstanceArn \(p. 85\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[MaxResults \(p. 85\)](#)

The maximum number of results to display for the assignment.

Type: Integer

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

Required: No

[NextToken \(p. 85\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

[ProvisioningStatus \(p. 85\)](#)

The status object for the permission set provisioning operation.

Type: String

Valid Values: LATEST_PERMISSION_SET_PROVISIONED | LATEST_PERMISSION_SET_NOT_PROVISIONED

Required: No

Response Syntax

```
{
  "NextToken": "string",
  "PermissionSets": [ "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 \(p. 86\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

[PermissionSets \(p. 86\)](#)

Defines the level of access that an AWS account has.

Type: Array of strings

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Lists the tags that are attached to a specified resource.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "NextToken": "string",  
  "ResourceArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 88\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[NextToken \(p. 88\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `^[-a-zA-Z0-9+/_]*$`

Required: No

[ResourceArn \(p. 88\)](#)

The ARN of the resource with the tags to be listed.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 2048.

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

Response Syntax

```
{
  "NextToken": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "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 \(p. 89\)](#)

The pagination token for the list API. Initially the value is null. Use the output of previous API calls to make subsequent calls.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: ^[-a-zA-Z0-9+/_]*\$

[Tags \(p. 89\)](#)

A set of key-value pairs that are used to manage the resource.

Type: Array of [Tag \(p. 130\)](#) objects

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ProvisionPermissionSet

The process by which a specified permission set is provisioned to the specified target.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "PermissionSetArn": "string",  
  "TargetId": "string",  
  "TargetType": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 91\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 91\)](#)

The ARN of the permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[TargetId \(p. 91\)](#)

TargetID is an AWS account identifier, (For example, 123456789012).

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

[TargetType \(p. 91\)](#)

The entity type for which the assignment will be created.

Type: String

Valid Values: AWS_ACCOUNT | ALL_PROVISIONED_ACCOUNTS

Required: Yes

Response Syntax

```
{
  "PermissionSetProvisioningStatus": {
    "AccountId": "string",
    "CreatedDate": number,
    "FailureReason": "string",
    "PermissionSetArn": "string",
    "RequestId": "string",
    "Status": "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.

[PermissionSetProvisioningStatus \(p. 92\)](#)

The status object for the permission set provisioning operation.

Type: [PermissionSetProvisioningStatus \(p. 127\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutInlinePolicyToPermissionSet

Attaches an inline policy to a permission set.

Note

If the permission set is already referenced by one or more account assignments, you will need to call [ProvisionPermissionSet \(p. 91\)](#) after this action to apply the corresponding IAM policy updates to all assigned accounts.

Request Syntax

```
{  
  "InlinePolicy": "string",  
  "InstanceArn": "string",  
  "PermissionSetArn": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InlinePolicy \(p. 94\)](#)

The inline policy to attach to a [PermissionSet \(p. 125\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32768.

Pattern: `^\[\u0009\u000A\u000D\u0020-\u00FF\]+$`

Required: Yes

[InstanceArn \(p. 94\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}$`

Required: Yes

[PermissionSetArn \(p. 94\)](#)

The ARN of the permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutPermissionsBoundaryToPermissionSet

Attaches an AWS managed or customer managed policy to the specified [PermissionSet \(p. 125\)](#) as a permissions boundary.

Request Syntax

```
{
  "InstanceArn": "string",
  "PermissionsBoundary": {
    "CustomerManagedPolicyReference": {
      "Name": "string",
      "Path": "string"
    },
    "ManagedPolicyArn": "string"
  },
  "PermissionSetArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 97\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionsBoundary \(p. 97\)](#)

The permissions boundary that you want to attach to a `PermissionSet`.

Type: [PermissionsBoundary \(p. 124\)](#) object

Required: Yes

[PermissionSetArn \(p. 97\)](#)

The ARN of the `PermissionSet`.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

TagResource

Associates a set of tags with a specified resource.

Request Syntax

```
{
  "InstanceArn": "string",
  "ResourceArn": "string",
  "Tags": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 100\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[ResourceArn \(p. 100\)](#)

The ARN of the resource with the tags to be listed.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 2048.

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[Tags \(p. 100\)](#)

A set of key-value pairs that are used to manage the resource.

Type: Array of [Tag \(p. 130\)](#) objects

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

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ServiceQuotaExceededException

Indicates that the principal has crossed the permitted number of resources that can be created.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

UntagResource

Disassociates a set of tags from a specified resource.

Request Syntax

```
{  
  "InstanceArn": "string",  
  "ResourceArn": "string",  
  "TagKeys": [ "string" ]  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceArn \(p. 103\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[ResourceArn \(p. 103\)](#)

The ARN of the resource with the tags to be listed.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 2048.

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[TagKeys \(p. 103\)](#)

The keys of tags that are attached to the resource.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

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

Pattern: `^[^\p{L}\p{Z}\p{N}_.:/+\\-@]*$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

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

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

UpdateInstanceAccessControlAttributeConfiguration

Updates the IAM Identity Center identity store attributes that you can use with the IAM Identity Center instance for attributes-based access control (ABAC). When using an external identity provider as an identity source, you can pass attributes through the SAML assertion as an alternative to configuring attributes from the IAM Identity Center identity store. If a SAML assertion passes any of these attributes, IAM Identity Center replaces the attribute value with the value from the IAM Identity Center identity store. For more information about ABAC, see [Attribute-Based Access Control](#) in the *IAM Identity Center User Guide*.

Request Syntax

```
{
  "InstanceAccessControlAttributeConfiguration": {
    "AccessControlAttributes": [
      {
        "Key": "string",
        "Value": {
          "Source": [ "string" ]
        }
      }
    ]
  },
  "InstanceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[InstanceAccessControlAttributeConfiguration \(p. 106\)](#)

Updates the attributes for your ABAC configuration.

Type: [InstanceAccessControlAttributeConfiguration \(p. 121\)](#) object

Required: Yes

[InstanceArn \(p. 106\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerErrorException

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdatePermissionSet

Updates an existing permission set.

Request Syntax

```
{  
  "Description": "string",  
  "InstanceArn": "string",  
  "PermissionSetArn": "string",  
  "RelayState": "string",  
  "SessionDuration": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 131\)](#).

The request accepts the following data in JSON format.

[Description \(p. 108\)](#)

The description of the [PermissionSet \(p. 125\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 700.

Pattern: `^\[\u0009\u000A\u000D\u0020-\u007E\u00A1-\u00FF]*$`

Required: No

[InstanceArn \(p. 108\)](#)

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-]{16}$`

Required: Yes

[PermissionSetArn \(p. 108\)](#)

The ARN of the permission set.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: Yes

[RelayState \(p. 108\)](#)

Used to redirect users within the application during the federation authentication process.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 240.

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

Required: No

[SessionDuration \(p. 108\)](#)

The length of time that the application user sessions are valid for in the ISO-8601 standard.

Type: String

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

Pattern: `^(- ?) P (? = \ d | T \ d) (? : (\ d +) Y) ? (? : (\ d +) M) ? (? : (\ d +) ([DW])) ? (? : T (? : (\ d +) H) ? (? : (\ d +) M) ? (? : (\ d + (? : \ . \ d +) ?) S) ?) ? $`

Required: No

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 Errors \(p. 133\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

Occurs when a conflict with a previous successful write is detected. This generally occurs when the previous write did not have time to propagate to the host serving the current request. A retry (with appropriate backoff logic) is the recommended response to this exception.

HTTP Status Code: 400

InternalServerError

The request processing has failed because of an unknown error, exception, or failure with an internal server.

HTTP Status Code: 500

ResourceNotFoundException

Indicates that a requested resource is not found.

HTTP Status Code: 400

ThrottlingException

Indicates that the principal has crossed the throttling limits of the API operations.

HTTP Status Code: 400

ValidationException

The request failed because it contains a syntax error.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The 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:

- [AccessControlAttribute \(p. 112\)](#)
- [AccessControlAttributeValue \(p. 113\)](#)
- [AccountAssignment \(p. 114\)](#)
- [AccountAssignmentOperationStatus \(p. 116\)](#)
- [AccountAssignmentOperationStatusMetadata \(p. 118\)](#)
- [AttachedManagedPolicy \(p. 119\)](#)
- [CustomerManagedPolicyReference \(p. 120\)](#)
- [InstanceAccessControlAttributeConfiguration \(p. 121\)](#)
- [InstanceMetadata \(p. 122\)](#)
- [OperationStatusFilter \(p. 123\)](#)
- [PermissionsBoundary \(p. 124\)](#)
- [PermissionSet \(p. 125\)](#)
- [PermissionSetProvisioningStatus \(p. 127\)](#)
- [PermissionSetProvisioningStatusMetadata \(p. 129\)](#)
- [Tag \(p. 130\)](#)

AccessControlAttribute

These are IAM Identity Center identity store attributes that you can configure for use in attributes-based access control (ABAC). You can create permissions policies that determine who can access your AWS resources based upon the configured attribute values. When you enable ABAC and specify `AccessControlAttributes`, IAM Identity Center passes the attribute values of the authenticated user into IAM for use in policy evaluation.

Contents

Key

The name of the attribute associated with your identities in your identity source. This is used to map a specified attribute in your identity source with an attribute in IAM Identity Center.

Type: String

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

Pattern: `^[\\p{L}\\p{Z}\\p{N}_. :\\/+=\\-@]+`

Required: Yes

Value

The value used for mapping a specified attribute to an identity source.

Type: [AccessControlAttributeValue \(p. 113\)](#) object

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

AccessControlAttributeValue

The value used for mapping a specified attribute to an identity source. For more information, see [Attribute mappings](#) in the *IAM Identity Center User Guide*.

Contents

Source

The identity source to use when mapping a specified attribute to IAM Identity Center.

Type: Array of strings

Array Members: Fixed number of 1 item.

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

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

AccountAssignment

The assignment that indicates a principal's limited access to a specified AWS account with a specified permission set.

Note

The term *principal* here refers to a user or group that is defined in IAM Identity Center.

Contents

AccountId

The identifier of the AWS account.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

PermissionSetArn

The ARN of the permission set. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-./]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: No

PrincipalId

An identifier for an object in IAM Identity Center, such as a user or group. PrincipalIds are GUIDs (For example, f81d4fae-7dec-11d0-a765-00a0c91e6bf6). For more information about PrincipalIds in IAM Identity Center, see the [IAM Identity Center Identity Store API Reference](#).

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

PrincipalType

The entity type for which the assignment will be created.

Type: String

Valid Values: USER | GROUP

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

AccountAssignmentOperationStatus

The status of the creation or deletion operation of an assignment that a principal needs to access an account.

Contents

CreatedDate

The date that the permission set was created.

Type: Timestamp

Required: No

FailureReason

The message that contains an error or exception in case of an operation failure.

Type: String

Pattern: `^\p{L}\p{M}\p{Z}\p{S}\p{N}\p{P}]*$`

Required: No

PermissionSetArn

The ARN of the permission set. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: No

PrincipalId

An identifier for an object in IAM Identity Center, such as a user or group. PrincipalIds are GUIDs (For example, f81d4fae-7dec-11d0-a765-00a0c91e6bf6). For more information about PrincipalIds in IAM Identity Center, see the [IAM Identity Center Identity Store API Reference](#).

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

PrincipalType

The entity type for which the assignment will be created.

Type: String

Valid Values: USER | GROUP

Required: No

RequestId

The identifier for tracking the request operation that is generated by the universally unique identifier (UUID) workflow.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: No

Status

The status of the permission set provisioning process.

Type: String

Valid Values: IN_PROGRESS | FAILED | SUCCEEDED

Required: No

TargetId

TargetID is an AWS account identifier, (For example, 123456789012).

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

TargetType

The entity type for which the assignment will be created.

Type: String

Valid Values: AWS_ACCOUNT

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

AccountAssignmentOperationStatusMetadata

Provides information about the [AccountAssignment \(p. 114\)](#) creation request.

Contents

CreatedDate

The date that the permission set was created.

Type: Timestamp

Required: No

RequestId

The identifier for tracking the request operation that is generated by the universally unique identifier (UUID) workflow.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: No

Status

The status of the permission set provisioning process.

Type: String

Valid Values: IN_PROGRESS | FAILED | SUCCEEDED

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

AttachedManagedPolicy

A structure that stores the details of the AWS managed policy.

Contents

Arn

The ARN of the AWS managed policy. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):iam::aws:policy/[\p{L}\p{M}\p{Z}\p{S}\p{N}\p{P}]+$`

Required: No

Name

The name of the AWS managed policy.

Type: String

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

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

CustomerManagedPolicyReference

Specifies the name and path of a customer managed policy. You must have an IAM policy that matches the name and path in each AWS account where you want to deploy your permission set.

Contents

Name

The name of the IAM policy that you have configured in each account where you want to deploy your permission set.

Type: String

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

Pattern: `^[\\w+=, .@-]+$`

Required: Yes

Path

The path to the IAM policy that you have configured in each account where you want to deploy your permission set. The default is /. For more information, see [Friendly names and paths](#) in the *IAM User Guide*.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Pattern: `^((/[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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

InstanceAccessControlAttributeConfiguration

Specifies the attributes to add to your attribute-based access control (ABAC) configuration.

Contents

AccessControlAttributes

Lists the attributes that are configured for ABAC in the specified IAM Identity Center instance.

Type: Array of [AccessControlAttribute \(p. 112\)](#) objects

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

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

InstanceMetadata

Provides information about the IAM Identity Center instance.

Contents

IdentityStoreId

The identifier of the identity store that is connected to the IAM Identity Center instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

InstanceArn

The ARN of the IAM Identity Center instance under which the operation will be executed. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[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 Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

OperationStatusFilter

Filters the operation status list based on the passed attribute value.

Contents

Status

Filters the list operations result based on the status attribute.

Type: String

Valid Values: IN_PROGRESS | FAILED | SUCCEEDED

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

PermissionsBoundary

Specifies the configuration of the AWS managed or customer managed policy that you want to set as a permissions boundary. Specify either `CustomerManagedPolicyReference` to use the name and path of a customer managed policy, or `ManagedPolicyArn` to use the ARN of an AWS managed policy. A permissions boundary represents the maximum permissions that any policy can grant your role. For more information, see [Permissions boundaries for IAM entities](#) in the *IAM User Guide*.

Important

Policies used as permissions boundaries don't provide permissions. You must also attach an IAM policy to the role. To learn how the effective permissions for a role are evaluated, see [IAM JSON policy evaluation logic](#) in the *IAM User Guide*.

Contents

CustomerManagedPolicyReference

Specifies the name and path of a customer managed policy. You must have an IAM policy that matches the name and path in each AWS account where you want to deploy your permission set.

Type: [CustomerManagedPolicyReference \(p. 120\)](#) object

Required: No

ManagedPolicyArn

The AWS managed policy ARN that you want to attach to a permission set as a permissions boundary.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):iam::aws:policy/[\p{L}\p{M}\p{Z}\p{S}\p{N}\p{P}]+$`

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

PermissionSet

An entity that contains IAM policies.

Contents

CreatedDate

The date that the permission set was created.

Type: Timestamp

Required: No

Description

The description of the [PermissionSet \(p. 125\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 700.

Pattern: `^\[\u0009\u000A\u000D\u0020-\u007E\u00A1-\u00FF\]*$`

Required: No

Name

The name of the permission set.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `^\[w+=, .@-]+\ $`

Required: No

PermissionSetArn

The ARN of the permission set. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-]{16}/ps-[a-zA-Z0-9-./]{16}$`

Required: No

RelayState

Used to redirect users within the application during the federation authentication process.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 240.

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

Required: No

SessionDuration

The length of time that the application user sessions are valid for in the ISO-8601 standard.

Type: String

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

Pattern: `^(~?)P(?:\d|T\d)(?:\d+Y)?(?:\d+M)?(?:\d+([DW]))?(?:T(?:\d+H)?(?:\d+M)?(?:\d+(?:\.\d+)?)S)?)?$`

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

PermissionSetProvisioningStatus

A structure that is used to provide the status of the provisioning operation for a specified permission set.

Contents

AccountId

The identifier of the AWS account from which to list the assignments.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^\d{12}$`

Required: No

CreatedDate

The date that the permission set was created.

Type: Timestamp

Required: No

FailureReason

The message that contains an error or exception in case of an operation failure.

Type: String

Pattern: `^[a-zA-Z0-9-._]{16}/ps-[a-zA-Z0-9-._]{16}$`

Required: No

PermissionSetArn

The ARN of the permission set that is being provisioned. For more information about ARNs, see [Amazon Resource Names \(ARNs\) and AWS Service Namespaces](#) in the *AWS General Reference*.

Type: String

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

Pattern: `^arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::permissionSet/(sso)?ins-[a-zA-Z0-9-._]{16}/ps-[a-zA-Z0-9-._]{16}$`

Required: No

RequestId

The identifier for tracking the request operation that is generated by the universally unique identifier (UUID) workflow.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: No

Status

The status of the permission set provisioning process.

Type: String

Valid Values: IN_PROGRESS | FAILED | SUCCEEDED

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

PermissionSetProvisioningStatusMetadata

Provides information about the permission set provisioning status.

Contents

CreatedDate

The date that the permission set was created.

Type: Timestamp

Required: No

RequestId

The identifier for tracking the request operation that is generated by the universally unique identifier (UUID) workflow.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `^\b[0-9a-f]{8}\b-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-\b[0-9a-f]{12}\b$`

Required: No

Status

The status of the permission set provisioning process.

Type: String

Valid Values: IN_PROGRESS | FAILED | SUCCEEDED

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

Tag

A set of key-value pairs that are used to manage the resource. Tags can only be applied to permission sets and cannot be applied to corresponding roles that IAM Identity Center creates in AWS accounts.

Contents

Key

The key for the tag.

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)$`

Required: Yes

Value

The value of the tag.

Type: String

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

Pattern: `^([\p{L}\p{Z}\p{N}_ . : / = + \ - @] *)$`

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 Go](#)
- [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*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

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 Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

InvalidAction

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

InvalidClientTokenId

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400

Document History

The following table describes the important changes to the documentation in this release of the *IAM Identity Center* API Reference Guide.

- **Latest documentation update:** July 26, 2022

Change	Description	Date Changed
AWS Single Sign-On (AWS SSO) renamed to AWS IAM Identity Center	AWS introduces AWS IAM Identity Center. IAM Identity Center expands the capabilities of AWS Identity and Access Management (IAM) to help you centrally manage account and access to cloud applications for your workforce users. For more information, see IAM Identity Center rename .	July 26th, 2022
Permission boundaries	Added new APIs to support permission boundaries and customer managed policies in permission sets. For more information, see Permission sets .	July 14, 2022
ABAC	Added new APIs to support attribute-based access control (ABAC). For more information, see Attribute-based access control .	November 4, 2020
New guide	This is the first release of the IAM Identity Center API Reference Guide.	September 10, 2020