



API Reference

License Manager User Subscriptions



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License Manager User Subscriptions: API Reference

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Welcome

With AWS License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.

This document was last published on July 3, 2024.

Actions

The following actions are supported:

- [AssociateUser](#)
- [DeregisterIdentityProvider](#)
- [DisassociateUser](#)
- [ListIdentityProviders](#)
- [ListInstances](#)
- [ListProductSubscriptions](#)
- [ListUserAssociations](#)
- [RegisterIdentityProvider](#)
- [StartProductSubscription](#)
- [StopProductSubscription](#)
- [UpdateIdentityProviderSettings](#)

AssociateUser

Associates the user to an EC2 instance to utilize user-based subscriptions.

Note

Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as **Pending** billing status) in AWS Billing. For more information, see [Viewing your monthly charges](#) in the *AWS Billing User Guide*.

Request Syntax

```
POST /user/AssociateUser HTTP/1.1
Content-type: application/json
```

```
{
  "Domain": "string",
  "IdentityProvider": { ... },
  "InstanceId": "string",
  "Username": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Domain

The domain name of the user.

Type: String

Required: No

IdentityProvider

The identity provider of the user.

Type: [IdentityProvider](#) object

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

Required: Yes

InstanceId

The ID of the EC2 instance, which provides user-based subscriptions.

Type: String

Required: Yes

Username

The user name from the identity provider for the user.

Type: String

Required: Yes

Response Syntax

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

{
  "InstanceUserSummary": {
    "AssociationDate": "string",
    "DisassociationDate": "string",
    "Domain": "string",
    "IdentityProvider": { ... },
    "InstanceId": "string",
    "Status": "string",
    "StatusMessage": "string",
    "Username": "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.

InstanceUserSummary

Metadata that describes the associate user operation.

Type: [InstanceUserSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

DeregisterIdentityProvider

Deregisters the identity provider from providing user-based subscriptions.

Request Syntax

```
POST /identity-provider/DeregisterIdentityProvider HTTP/1.1
Content-type: application/json

{
  "IdentityProvider": { ... },
  "Product": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

Response Syntax

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

{
  "IdentityProviderSummary": {
    "FailureMessage": "string",
    "IdentityProvider": { ... },
    "Product": "string",
    "Settings": {
      "SecurityGroupId": "string",
      "Subnets": [ "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.

[IdentityProviderSummary](#)

Metadata that describes the results of an identity provider operation.

Type: [IdentityProviderSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

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

DisassociateUser

Disassociates the user from an EC2 instance providing user-based subscriptions.

Request Syntax

```
POST /user/DisassociateUser HTTP/1.1
Content-type: application/json
```

```
{
  "Domain": "string",
  "IdentityProvider": { ... },
  "InstanceId": "string",
  "Username": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Domain

The domain name of the user.

Type: String

Required: No

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

InstanceId

The ID of the EC2 instance, which provides user-based subscriptions.

Type: String

Required: Yes

Username

The user name from the identity provider for the user.

Type: String

Required: Yes

Response Syntax

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

{
  "InstanceUserSummary": {
    "AssociationDate": "string",
    "DisassociationDate": "string",
    "Domain": "string",
    "IdentityProvider": { ... },
    "InstanceId": "string",
    "Status": "string",
    "StatusMessage": "string",
    "Username": "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.

InstanceUserSummary

Metadata that describes the associate user operation.

Type: [InstanceUserSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

ListIdentityProviders

Lists the identity providers for user-based subscriptions.

Request Syntax

```
POST /identity-provider/ListIdentityProviders HTTP/1.1  
Content-type: application/json
```

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

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[MaxResults](#)

Maximum number of results to return in a single call.

Type: Integer

Required: No

[NextToken](#)

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "IdentityProviderSummaries": [
    {
      "FailureMessage": "string",
      "IdentityProvider": { ... },
      "Product": "string",
      "Settings": {
        "SecurityGroupId": "string",
        "Subnets": [ "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.

[IdentityProviderSummaries](#)

Metadata that describes the list identity providers operation.

Type: Array of [IdentityProviderSummary](#) objects

[NextToken](#)

Token for the next set of results.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

ListInstances

Lists the EC2 instances providing user-based subscriptions.

Request Syntax

```
POST /instance/ListInstances HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": [
    {
      "Attribute": "string",
      "Operation": "string",
      "Value": "string"
    }
  ],
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Filters

An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.

Type: Array of [Filter](#) objects

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

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

{
  "InstanceSummaries": [
    {
      "InstanceId": "string",
      "LastStatusCheckDate": "string",
      "Products": [ "string" ],
      "Status": "string",
      "StatusMessage": "string"
    }
  ],
  "NextToken": "string"
}
```

Response Elements

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

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

InstanceSummaries

Metadata that describes the list instances operation.

Type: Array of [InstanceSummary](#) objects

NextToken

Token for the next set of results.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

ListProductSubscriptions

Lists the user-based subscription products available from an identity provider.

Request Syntax

```
POST /user/ListProductSubscriptions HTTP/1.1
```

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

```
{
  "Filters": [
    {
      "Attribute": "string",
      "Operation": "string",
      "Value": "string"
    }
  ],
  "IdentityProvider": { ... },
  "MaxResults": number,
  "NextToken": "string",
  "Product": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Filters

An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.

Type: Array of [Filter](#) objects

Required: No

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

MaxResults

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

Response Syntax

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

{
  "NextToken": "string",
  "ProductUserSummaries": [
    {
      "Domain": "string",
      "IdentityProvider": { ... },
    }
  ]
}
```

```
    "Product": "string",
    "Status": "string",
    "StatusMessage": "string",
    "SubscriptionEndDate": "string",
    "SubscriptionStartDate": "string",
    "Username": "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

Token for the next set of results.

Type: String

ProductUserSummaries

Metadata that describes the list product subscriptions operation.

Type: Array of [ProductUserSummary](#) objects

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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 v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListUserAssociations

Lists user associations for an identity provider.

Request Syntax

```
POST /user/ListUserAssociations HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": [
    {
      "Attribute": "string",
      "Operation": "string",
      "Value": "string"
    }
  ],
  "IdentityProvider": { ... },
  "InstanceId": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Filters

An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.

Type: Array of [Filter](#) objects

Required: No

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

[InstanceId](#)

The ID of the EC2 instance, which provides user-based subscriptions.

Type: String

Required: Yes

[MaxResults](#)

Maximum number of results to return in a single call.

Type: Integer

Required: No

[NextToken](#)

Token for the next set of results.

Type: String

Required: No

Response Syntax

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

{
  "InstanceUserSummaries": [
    {
      "AssociationDate": "string",
      "DisassociationDate": "string",
      "Domain": "string",
      "IdentityProvider": { ... },
      "InstanceId": "string",
      "Status": "string",
```

```
    "StatusMessage": "string",  
    "Username": "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.

InstanceUserSummaries

Metadata that describes the list user association operation.

Type: Array of [InstanceUserSummary](#) objects

NextToken

Token for the next set of results.

Type: String

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

RegisterIdentityProvider

Registers an identity provider for user-based subscriptions.

Request Syntax

```
POST /identity-provider/RegisterIdentityProvider HTTP/1.1
Content-type: application/json

{
  "IdentityProvider": { ... },
  "Product": "string",
  "Settings": {
    "SecurityGroupId": "string",
    "Subnets": [ "string" ]
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

Settings

The registered identity provider's product related configuration settings such as the subnets to provision VPC endpoints.

Type: [Settings](#) object

Required: No

Response Syntax

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

{
  "IdentityProviderSummary": {
    "FailureMessage": "string",
    "IdentityProvider": { ... },
    "Product": "string",
    "Settings": {
      "SecurityGroupId": "string",
      "Subnets": [ "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.

IdentityProviderSummary

Metadata that describes the results of an identity provider operation.

Type: [IdentityProviderSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

StartProductSubscription

Starts a product subscription for a user with the specified identity provider.

Note

Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as **Pending** billing status) in AWS Billing. For more information, see [Viewing your monthly charges](#) in the *AWS Billing User Guide*.

Request Syntax

```
POST /user/StartProductSubscription HTTP/1.1
```

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

```
{
  "Domain": "string",
  "IdentityProvider": { ... },
  "Product": "string",
  "Username": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Domain

The domain name of the user.

Type: String

Required: No

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

Username

The user name from the identity provider of the user.

Type: String

Required: Yes

Response Syntax

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

{
  "ProductUserSummary": {
    "Domain": "string",
    "IdentityProvider": { ... },
    "Product": "string",
    "Status": "string",
    "StatusMessage": "string",
    "SubscriptionEndDate": "string",
    "SubscriptionStartDate": "string",
```

```
    "Username": "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.

ProductUserSummary

Metadata that describes the start product subscription operation.

Type: [ProductUserSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerError

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

StopProductSubscription

Stops a product subscription for a user with the specified identity provider.

Request Syntax

```
POST /user/StopProductSubscription HTTP/1.1
Content-type: application/json
```

```
{
  "Domain": "string",
  "IdentityProvider": { ... },
  "Product": "string",
  "Username": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Domain

The domain name of the user.

Type: String

Required: No

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

Username

The user name from the identity provider for the user.

Type: String

Required: Yes

Response Syntax

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

{
  "ProductUserSummary": {
    "Domain": "string",
    "IdentityProvider": { ... },
    "Product": "string",
    "Status": "string",
    "StatusMessage": "string",
    "SubscriptionEndDate": "string",
    "SubscriptionStartDate": "string",
    "Username": "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.

ProductUserSummary

Metadata that describes the start product subscription operation.

Type: [ProductUserSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

ConflictException

The request couldn't be completed because it conflicted with the current state of the resource.

HTTP Status Code: 500

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

The resource couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

The request failed because a service quota is exceeded.

HTTP Status Code: 400

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

UpdateIdentityProviderSettings

Updates additional product configuration settings for the registered identity provider.

Request Syntax

```
POST /identity-provider/UpdateIdentityProviderSettings HTTP/1.1
Content-type: application/json
```

```
{
  "IdentityProvider": { ... },
  "Product": "string",
  "UpdateSettings": {
    "AddSubnets": [ "string" ],
    "RemoveSubnets": [ "string" ],
    "SecurityGroupId": "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

IdentityProvider

Details about an identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Valid values: VISUAL_STUDIO_ENTERPRISE | VISUAL_STUDIO_PROFESSIONAL | OFFICE_PROFESSIONAL_PLUS

Type: String

Required: Yes

UpdateSettings

Updates the registered identity provider's product related configuration settings. You can update any combination of settings in a single operation such as the:

- Subnets which you want to add to provision VPC endpoints.
- Subnets which you want to remove the VPC endpoints from.
- Security group ID which permits traffic to the VPC endpoints.

Type: [UpdateSettings](#) object

Required: Yes

Response Syntax

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

{
  "IdentityProviderSummary": {
    "FailureMessage": "string",
    "IdentityProvider": { ... },
    "Product": "string",
    "Settings": {
      "SecurityGroupId": "string",
      "Subnets": [ "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.

[IdentityProviderSummary](#)

Describes an identity provider.

Type: [IdentityProviderSummary](#) object

Errors

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

AccessDeniedException

You don't have sufficient access to perform this action.

HTTP Status Code: 400

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied because of request throttling. Retry the request.

HTTP Status Code: 400

ValidationException

A parameter is not valid.

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

Data Types

The AWS License Manager User Subscriptions 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:

- [ActiveDirectoryIdentityProvider](#)
- [Filter](#)
- [IdentityProvider](#)
- [IdentityProviderSummary](#)
- [InstanceSummary](#)
- [InstanceUserSummary](#)
- [ProductUserSummary](#)
- [Settings](#)
- [UpdateSettings](#)

ActiveDirectoryIdentityProvider

Details about an Active Directory identity provider.

Contents

DirectoryId

The directory ID for an Active Directory identity provider.

Type: String

Pattern: `^d-[0-9a-f]{10}$`

Required: No

See Also

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

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

Filter

A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.

Contents

Attribute

The name of an attribute to use as a filter.

Type: String

Required: No

Operation

The type of search (For example, eq, geq, leq)

Type: String

Required: No

Value

Value of the filter.

Type: String

Required: No

See Also

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

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

IdentityProvider

Details about an identity provider.

Contents

Important

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

ActiveDirectoryIdentityProvider

An object that details an Active Directory identity provider.

Type: [ActiveDirectoryIdentityProvider](#) object

Required: No

See Also

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

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

IdentityProviderSummary

Describes an identity provider.

Contents

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Type: String

Required: Yes

Settings

An object that details the registered identity provider's product related configuration settings such as the subnets to provision VPC endpoints.

Type: [Settings](#) object

Required: Yes

Status

The status of an identity provider.

Type: String

Required: Yes

FailureMessage

The failure message associated with an identity provider.

Type: String

Required: No

See Also

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

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

InstanceSummary

Describes an EC2 instance providing user-based subscriptions.

Contents

InstanceId

The ID of the EC2 instance, which provides user-based subscriptions.

Type: String

Required: Yes

Products

A list of provided user-based subscription products.

Type: Array of strings

Required: Yes

Status

The status of an EC2 instance resource.

Type: String

Required: Yes

LastStatusCheckDate

The date of the last status check.

Type: String

Required: No

StatusMessage

The status message for an EC2 instance.

Type: String

Required: No

See Also

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

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

InstanceUserSummary

Describes users of an EC2 instance providing user-based subscriptions.

Contents

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

InstanceId

The ID of the EC2 instance, which provides user-based subscriptions.

Type: String

Required: Yes

Status

The status of a user associated with an EC2 instance.

Type: String

Required: Yes

Username

The user name from the identity provider for the user.

Type: String

Required: Yes

AssociationDate

The date a user was associated with an EC2 instance.

Type: String

Required: No

DisassociationDate

The date a user was disassociated from an EC2 instance.

Type: String

Required: No

Domain

The domain name of the user.

Type: String

Required: No

StatusMessage

The status message for users of an EC2 instance.

Type: String

Required: No

See Also

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

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

ProductUserSummary

The summary of the user-based subscription products for a user.

Contents

IdentityProvider

An object that specifies details for the identity provider.

Type: [IdentityProvider](#) object

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

Required: Yes

Product

The name of the user-based subscription product.

Type: String

Required: Yes

Status

The status of a product for a user.

Type: String

Required: Yes

Username

The user name from the identity provider of the user.

Type: String

Required: Yes

Domain

The domain name of the user.

Type: String

Required: No

StatusMessage

The status message for a product for a user.

Type: String

Required: No

SubscriptionEndDate

The end date of a subscription.

Type: String

Required: No

SubscriptionStartDate

The start date of a subscription.

Type: String

Required: No

See Also

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

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

Settings

The registered identity provider's product related configuration settings such as the subnets to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group should permit inbound TCP port 1688 communication from resources in the VPC.

Contents

SecurityGroupid

A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoint for activation servers.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 200.

Pattern: `^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$`

Required: Yes

Subnets

The subnets defined for the registered identity provider.

Type: Array of strings

Array Members: Minimum number of 1 item.

Pattern: `subnet-[a-z0-9]{8,17}`

Required: Yes

See Also

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

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

UpdateSettings

Updates the registered identity provider's product related configuration settings such as the subnets to provision VPC endpoints.

Contents

AddSubnets

The ID of one or more subnets in which License Manager will create a VPC endpoint for products that require connectivity to activation servers.

Type: Array of strings

Pattern: subnet-[a-z0-9]{8,17}

Required: Yes

RemoveSubnets

The ID of one or more subnets to remove.

Type: Array of strings

Pattern: subnet-[a-z0-9]{8,17}

Required: Yes

SecurityGroupId

A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers.

Type: String

Length Constraints: Minimum length of 5. Maximum length of 200.

Pattern: ^sg-(([0-9a-z]{8})|([0-9a-z]{17}))\$

Required: No

See Also

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

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

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: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

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

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

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

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400