



API Reference

License Manager Linux Subscriptions



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License Manager Linux Subscriptions: API Reference

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Welcome

With AWS License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.

This document was last published on October 1, 2024.

Actions

The following actions are supported:

- [DeregisterSubscriptionProvider](#)
- [GetRegisteredSubscriptionProvider](#)
- [GetServiceSettings](#)
- [ListLinuxSubscriptionInstances](#)
- [ListLinuxSubscriptions](#)
- [ListRegisteredSubscriptionProviders](#)
- [ListTagsForResource](#)
- [RegisterSubscriptionProvider](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateServiceSettings](#)

DeregisterSubscriptionProvider

Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions registered to your account.

Request Syntax

```
POST /subscription/DeregisterSubscriptionProvider HTTP/1.1
Content-type: application/json

{
  "SubscriptionProviderArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SubscriptionProviderArn

The Amazon Resource Name (ARN) of the subscription provider resource to deregister.

Type: String

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,510}/[a-z0-9-\.]{1,510}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

Unable to find the requested AWS resource.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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](#)

GetRegisteredSubscriptionProvider

Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.

Request Syntax

```
POST /subscription/GetRegisteredSubscriptionProvider HTTP/1.1
Content-type: application/json

{
  "SubscriptionProviderArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SubscriptionProviderArn

The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.

Type: String

Pattern: `^arn:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,510\}/[a-z0-9-\.]\{1,510\}$`

Required: Yes

Response Syntax

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

{
  "LastSuccessfulDataRetrievalTime": "string",
  "SecretArn": "string",
```

```
"SubscriptionProviderArn": "string",  
"SubscriptionProviderSource": "string",  
"SubscriptionProviderStatus": "string",  
"SubscriptionProviderStatusMessage": "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.

LastSuccessfulDataRetrievalTime

The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider.

Type: String

SecretArn

The Amazon Resource Name (ARN) of the third-party access secret stored in AWS Secrets Manager for the BYOL registration resource specified in the request.

Type: String

Pattern: `^arn:[a-z0-9-\.]{1,63}:secretsmanager:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:secret:[^/]{1,1023}$`

SubscriptionProviderArn

The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request.

Type: String

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,510}/[a-z0-9-\.]{1,510}$`

SubscriptionProviderSource

The subscription provider for the BYOL registration resource specified in the request.

Type: String

Valid Values: RedHat

SubscriptionProviderStatus

The status of the Linux subscription provider access token from the last successful subscription data request.

Type: String

Valid Values: ACTIVE | INVALID | PENDING

SubscriptionProviderStatusMessage

The detailed message from your subscription provider token status.

Type: String

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

Unable to find the requested AWS resource.

HTTP Status Code: 400

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

HTTP Status Code: 400

See Also

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- [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](#)

GetServiceSettings

Lists the Linux subscriptions service settings for your account.

Request Syntax

```
POST /subscription/GetServiceSettings HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "HomeRegions": [ "string" ],
  "LinuxSubscriptionsDiscovery": "string",
  "LinuxSubscriptionsDiscoverySettings": {
    "OrganizationIntegration": "string",
    "SourceRegions": [ "string" ]
  },
  "Status": "string",
  "StatusMessage": {
    "string" : "string"
  }
}
```

Response Elements

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

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

HomeRegions

The Region in which License Manager displays the aggregated data for Linux subscriptions.

Type: Array of strings

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

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

LinuxSubscriptionsDiscovery

Lists if discovery has been enabled for Linux subscriptions.

Type: String

Valid Values: Enabled | Disabled

LinuxSubscriptionsDiscoverySettings

Lists the settings defined for Linux subscriptions discovery. The settings include if AWS Organizations integration has been enabled, and which Regions data will be aggregated from.

Type: [LinuxSubscriptionsDiscoverySettings](#) object

Status

Indicates the status of Linux subscriptions settings being applied.

Type: String

Valid Values: InProgress | Completed | Successful | Failed

StatusMessage

A message which details the Linux subscriptions service settings current status.

Type: String to string map

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

HTTP Status Code: 400

See Also

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

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

ListLinuxSubscriptionInstances

Lists the running Amazon EC2 instances that were discovered with commercial Linux subscriptions.

Request Syntax

```
POST /subscription/ListLinuxSubscriptionInstances HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": [
    {
      "Name": "string",
      "Operator": "string",
      "Values": [ "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 by your specified criteria. For example, you can specify Region in the Name, with the contains operator to list all subscriptions that match a partial string in the Value, such as us-west.

For each filter, you can specify one of the following values for the Name key to streamline results:

- AccountID
- AmiID
- DualSubscription

- InstanceID
- InstanceType
- ProductCode
- Region
- Status
- UsageOperation

For each filter, you can use one of the following `Operator` values to define the behavior of the filter:

- `contains`
- `equals`
- `Notequal`

Type: Array of [Filter](#) objects

Required: No

[MaxResults](#)

The maximum items to return in a request.

Type: Integer

Required: No

[NextToken](#)

A token to specify where to start paginating. This is the `nextToken` from a previously truncated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "Instances": [
    {
      "AccountID": "string",
      "AmiId": "string",
      "DualSubscription": "string",
      "InstanceID": "string",
      "InstanceType": "string",
      "LastUpdatedTime": "string",
      "OsVersion": "string",
      "ProductCode": [ "string" ],
      "Region": "string",
      "RegisteredWithSubscriptionProvider": "string",
      "Status": "string",
      "SubscriptionName": "string",
      "SubscriptionProviderCreateTime": "string",
      "SubscriptionProviderUpdateTime": "string",
      "UsageOperation": "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

An array that contains instance objects.

Type: Array of [Instance](#) objects

NextToken

The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.

Type: String

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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](#)

ListLinuxSubscriptions

Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in AWS Organizations.

Request Syntax

```
POST /subscription/ListLinuxSubscriptions HTTP/1.1
Content-type: application/json
```

```
{
  "Filters": [
    {
      "Name": "string",
      "Operator": "string",
      "Values": [ "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. For example, you can filter by the name of Subscription with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.

The valid names for this filter are:

- Subscription

The valid Operators for this filter are:

- contains
- equals
- Notequal

Type: Array of [Filter](#) objects

Required: No

[MaxResults](#)

The maximum items to return in a request.

Type: Integer

Required: No

[NextToken](#)

A token to specify where to start paginating. This is the nextToken from a previously truncated response.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 16384.

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "Subscriptions": [
    {
      "InstanceCount": number,
      "Name": "string",
      "Type": "string"
    }
  ]
}
```



```
}
```

Response Elements

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

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

NextToken

The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.

Type: String

Subscriptions

An array that contains subscription objects.

Type: Array of [Subscription](#) objects

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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](#)

ListRegisteredSubscriptionProviders

List Bring Your Own License (BYOL) subscription registration resources for your account.

Request Syntax

```
POST /subscription/ListRegisteredSubscriptionProviders HTTP/1.1
Content-type: application/json
```

```
{
  "MaxResults": number,
  "NextToken": "string",
  "SubscriptionProviderSources": [ "string" ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

MaxResults

The maximum items to return in a request.

Type: Integer

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

Required: No

NextToken

A token to specify where to start paginating. This is the nextToken from a previously truncated response.

Type: String

Required: No

SubscriptionProviderSources

To filter your results, specify which subscription providers to return in the list.

Type: Array of strings

Valid Values: RedHat

Required: No

Response Syntax

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

{
  "NextToken": "string",
  "RegisteredSubscriptionProviders": [
    {
      "LastSuccessfulDataRetrievalTime": "string",
      "SecretArn": "string",
      "SubscriptionProviderArn": "string",
      "SubscriptionProviderSource": "string",
      "SubscriptionProviderStatus": "string",
      "SubscriptionProviderStatusMessage": "string"
    }
  ]
}
```

Response Elements

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

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

NextToken

The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.

Type: String

[RegisteredSubscriptionProviders](#)

The list of BYOL registration resources that fit the criteria you specified in the request.

Type: Array of [RegisteredSubscriptionProvider](#) objects

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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](#)

ListTagsForResource

List the metadata tags that are assigned to the specified AWS resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which to list metadata tags.

Pattern: `^arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{1,510}/[a-z0-9-\.]{1,510}$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags

The metadata tags for the requested resource.

Type: String to string map

Map Entries: 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](#).

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

Unable to find the requested AWS resource.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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](#)

RegisterSubscriptionProvider

Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.

Request Syntax

```
POST /subscription/RegisterSubscriptionProvider HTTP/1.1
Content-type: application/json
```

```
{
  "SecretArn": "string",
  "SubscriptionProviderSource": "string",
  "Tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

SecretArn

The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token.

Type: String

Pattern: `^arn:[a-z0-9-\.]{1,63}:secretsmanager:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:secret:[^/]{1,1023}$`

Required: Yes

SubscriptionProviderSource

The supported Linux subscription provider to register.

Type: String

Valid Values: RedHat

Required: Yes

Tags

The metadata tags to assign to your registered Linux subscription provider resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Required: No

Response Syntax

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

{
  "SubscriptionProviderArn": "string",
  "SubscriptionProviderSource": "string",
  "SubscriptionProviderStatus": "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.

SubscriptionProviderArn

The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.

Type: String

SubscriptionProviderSource

The Linux subscription provider that you registered.

Type: String

Valid Values: RedHat

SubscriptionProviderStatus

Indicates the status of the registration action for the Linux subscription provider that you requested.

Type: String

Valid Values: ACTIVE | INVALID | PENDING

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

HTTP Status Code: 400

See Also

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- [AWS SDK for .NET](#)

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

TagResource

Add metadata tags to the specified AWS resource.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the AWS resource to which to add the specified metadata tags.

Pattern: `^arn:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,510\}/[a-z0-9-\.]\{1,510\}$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

The metadata tags to assign to the AWS resource. Tags are formatted as key value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

Unable to find the requested AWS resource.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

HTTP Status Code: 400

See Also

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

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

UntagResource

Remove one or more metadata tag from the specified AWS resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the AWS resource to remove the metadata tags from.

Pattern: `^arn:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,510\}/[a-z0-9-\.]\{1,510\}$`

Required: Yes

tagKeys

A list of metadata tag keys to remove from the requested resource.

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

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ResourceNotFoundException

Unable to find the requested AWS resource.

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](#)

UpdateServiceSettings

Updates the service settings for Linux subscriptions.

Request Syntax

```
POST /subscription/UpdateServiceSettings HTTP/1.1
Content-type: application/json

{
  "AllowUpdate": boolean,
  "LinuxSubscriptionsDiscovery": "string",
  "LinuxSubscriptionsDiscoverySettings": {
    "OrganizationIntegration": "string",
    "SourceRegions": [ "string" ]
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AllowUpdate

Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate Linux subscription data in more than one home Region.

Type: Boolean

Required: No

LinuxSubscriptionsDiscovery

Describes if the discovery of Linux subscriptions is enabled.

Type: String

Valid Values: Enabled | Disabled

Required: Yes

[LinuxSubscriptionsDiscoverySettings](#)

The settings defined for Linux subscriptions discovery. The settings include if AWS Organizations integration has been enabled, and which Regions data will be aggregated from.

Type: [LinuxSubscriptionsDiscoverySettings](#) object

Required: Yes

Response Syntax

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

{
  "HomeRegions": [ "string" ],
  "LinuxSubscriptionsDiscovery": "string",
  "LinuxSubscriptionsDiscoverySettings": {
    "OrganizationIntegration": "string",
    "SourceRegions": [ "string" ]
  },
  "Status": "string",
  "StatusMessage": {
    "string" : "string"
  }
}
```

Response Elements

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

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

[HomeRegions](#)

The Region in which License Manager displays the aggregated data for Linux subscriptions.

Type: Array of strings

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

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

LinuxSubscriptionsDiscovery

Lists if discovery has been enabled for Linux subscriptions.

Type: String

Valid Values: Enabled | Disabled

LinuxSubscriptionsDiscoverySettings

The settings defined for Linux subscriptions discovery. The settings include if AWS Organizations integration has been enabled, and which Regions data will be aggregated from.

Type: [LinuxSubscriptionsDiscoverySettings](#) object

Status

Indicates the status of Linux subscriptions settings being applied.

Type: String

Valid Values: InProgress | Completed | Successful | Failed

StatusMessage

A message which details the Linux subscriptions service settings current status.

Type: String to string map

Errors

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

InternalServerErrorException

An exception occurred with the service.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationException

The provided input is not valid. Try your request again.

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 Linux 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:

- [Filter](#)
- [Instance](#)
- [LinuxSubscriptionsDiscoverySettings](#)
- [RegisteredSubscriptionProvider](#)
- [Subscription](#)

Filter

A filter object 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.

Contents

Name

The type of name to filter by.

Type: String

Required: No

Operator

An operator for filtering results.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Valid Values: Equal | NotEqual | Contains

Required: No

Values

One or more values for the name to filter by.

Type: Array of strings

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

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

Instance

Details discovered information about a running instance using Linux subscriptions.

Contents

AccountID

The account ID which owns the instance.

Type: String

Required: No

Amild

The AMI ID used to launch the instance.

Type: String

Required: No

DualSubscription

Indicates that you have two different license subscriptions for the same software on your instance.

Type: String

Required: No

InstanceID

The instance ID of the resource.

Type: String

Required: No

InstanceType

The instance type of the resource.

Type: String

Required: No

LastUpdatedTime

The time in which the last discovery updated the instance details.

Type: String

Required: No

OsVersion

The operating system software version that runs on your instance.

Type: String

Required: No

ProductCode

The product code for the instance. For more information, see [Usage operation values](#) in the *AWS License Manager User Guide* .

Type: Array of strings

Required: No

Region

The Region the instance is running in.

Type: String

Required: No

RegisteredWithSubscriptionProvider

Indicates that your instance uses a BYOL license subscription from a third-party Linux subscription provider that you've registered with License Manager.

Type: String

Required: No

Status

The status of the instance.

Type: String

Required: No

SubscriptionName

The name of the license subscription that the instance uses.

Type: String

Required: No

SubscriptionProviderCreateTime

The timestamp when you registered the third-party Linux subscription provider for the subscription that the instance uses.

Type: String

Required: No

SubscriptionProviderUpdateTime

The timestamp from the last time that the instance synced with the registered third-party Linux subscription provider.

Type: String

Required: No

UsageOperation

The usage operation of the instance. For more information, see [Usage operation values](#) in the *AWS License Manager User Guide*.

Type: String

Required: No

See Also

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

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

- [AWS SDK for Ruby V3](#)

LinuxSubscriptionsDiscoverySettings

Lists the settings defined for discovering Linux subscriptions.

Contents

OrganizationIntegration

Details if you have enabled resource discovery across your accounts in AWS Organizations.

Type: String

Valid Values: Enabled | Disabled

Required: Yes

SourceRegions

The Regions in which to discover data for Linux subscriptions.

Type: Array of strings

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

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

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](#)

RegisteredSubscriptionProvider

A third-party provider for operating system (OS) platform software and license subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can get subscription data from the registered provider.

Contents

LastSuccessfulDataRetrievalTime

The timestamp from the last time that License Manager accessed third-party subscription data for your account from your registered Linux subscription provider.

Type: String

Required: No

SecretArn

The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token.

Type: String

Pattern: `^arn:[a-z0-9-\.]\{1,63\}:secretsmanager:[a-z0-9-\.]\{0,63\}:[a-z0-9-\.]\{0,63\}:secret:[^/]\{1,1023\}$`

Required: No

SubscriptionProviderArn

The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.

Type: String

Pattern: `^arn:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,63\}:[a-z0-9-\.]\{1,510\}/[a-z0-9-\.]\{1,510\}$`

Required: No

SubscriptionProviderSource

A supported third-party Linux subscription provider. License Manager currently supports Red Hat subscriptions.

Type: String

Valid Values: RedHat

Required: No

SubscriptionProviderStatus

Indicates the status of your registered Linux subscription provider access token from the last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the offline token.

Type: String

Valid Values: ACTIVE | INVALID | PENDING

Required: No

SubscriptionProviderStatusMessage

A detailed message that's associated with your BYOL subscription provider token status.

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](#)

Subscription

An object which details a discovered Linux subscription.

Contents

InstanceCount

The total amount of running instances using this subscription.

Type: Long

Required: No

Name

The name of the subscription.

Type: String

Required: No

Type

The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the AWS Marketplace. Certain subscriptions may use licensing from the AWS Marketplace as well as OS licensing from Amazon EC2 or BYOS.

Type: String

Required: No

See Also

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

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

Common Parameters

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

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