AWS License Manager

API Reference

API Version 2018-08-01

AWS License Manager : API Reference

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Welcome

AWS License Manager makes it easier to manage licenses from software vendors across multiple AWS accounts and on-premises servers.

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Actions

The following actions are supported:

CreateLicenseConfiguration

Creates a license configuration.

A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used.

Request Syntax

```
{
   "Description": "string",
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseCountingType": "string",
   "LicenseRules": [ "string" ],
   "Name": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

Description (p. 3)

Description of the license configuration.

Type: String

Required: No

LicenseCount (p. 3)

Number of licenses managed by the license configuration.

Type: Long

Required: No

LicenseCountHardLimit (p. 3)

Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances.

Type: Boolean

Required: No

LicenseCountingType (p. 3)

Dimension used to track the license inventory.

Type: String

Valid Values: `vCPU | Instance | Core | Socket`

Required: Yes

LicenseRules (p. 3)

License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). Available rules vary by dimension.

- `Cores` dimension: `allowedTenancy` | `maximumCores` | `minimumCores`
- `Instances` dimension: `allowedTenancy` | `maximumCores` | `minimumCores` | `maximumSockets` | `minimumSockets` | `maximumVcpus` | `minimumVcpus`
- `Sockets` dimension: `allowedTenancy` | `maximumSockets` | `minimumSockets`
- `vCPUs` dimension: `allowedTenancy` | `honorVcpuOptimization` | `maximumVcpus` | `minimumVcpus`

Type: Array of strings

Required: No

Name (p. 3)

Name of the license configuration.

Type: String

Required: Yes

Tags (p. 3)

Tags to add to the license configuration.

Type: Array of Tag (p. 57) objects

Required: No

Response Syntax

```
{
   "LicenseConfigurationArn": "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.

LicenseConfigurationArn (p. 4)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ResourceLimitExceededException

Your resource limits have been exceeded.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

DeleteLicenseConfiguration

Deletes the specified license configuration.

You cannot delete a license configuration that is in use.

Request Syntax

```
{
   "LicenseConfigurationArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

LicenseConfigurationArn (p. 6)

ID of the license configuration.

Type: String

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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- AWS SDK for Ruby V2

GetLicenseConfiguration

Gets detailed information about the specified license configuration.

Request Syntax

```
{
   "LicenseConfigurationArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

LicenseConfigurationArn (p. 8)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

Response Syntax

```
{
   "ConsumedLicenses": number,
   "ConsumedLicenseSummaryList": [
      {
         "ConsumedLicenses": number,
         "ResourceType": "string"
      }
   ],
   "Description": "string",
   "LicenseConfigurationArn": "string",
   "LicenseConfigurationId": "string",
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseCountingType": "string",
   "LicenseRules": [ "string" ],
   "ManagedResourceSummaryList": [
      {
         "AssociationCount": number,
         "ResourceType": "string"
      }
   ],
   "Name": "string",
   "OwnerAccountId": "string",
   "Status": "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.

ConsumedLicenses (p. 8)

Number of licenses assigned to resources.

Type: Long

ConsumedLicenseSummaryList (p. 8)

Summaries of the licenses consumed by resources.

Type: Array of ConsumedLicenseSummary (p. 44) objects

Description (p. 8)

Description of the license configuration.

Type: String

LicenseConfigurationArn (p. 8)

Amazon Resource Name (ARN) of the license configuration.

Type: String

LicenseConfigurationId (p. 8)

Unique ID for the license configuration.

Type: String

LicenseCount (p. 8)

Number of available licenses.

Type: Long

LicenseCountHardLimit (p. 8)

Sets the number of available licenses as a hard limit.

Type: Boolean

LicenseCountingType (p. 8)

Dimension on which the licenses are counted.

Type: String

Valid Values: `vCPU | Instance | Core | Socket`

LicenseRules (p. 8)

License rules.

Type: Array of strings

ManagedResourceSummaryList (p. 8)

Summaries of the managed resources.

Type: Array of ManagedResourceSummary (p. 53) objects

Name (p. 8)

Name of the license configuration.

Type: String

OwnerAccountId (p. 8)

Account ID of the owner of the license configuration.

Type: String

Status (p. 8)

License configuration status.

Type: String

Tags (p. 8)

Tags for the license configuration.

Type: Array of Tag (p. 57) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

See Also

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- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

GetServiceSettings

Gets the License Manager settings for the current Region.

Response Syntax

```
{
   "EnableCrossAccountsDiscovery": boolean,
   "LicenseManagerResourceShareArn": "string",
   "OrganizationConfiguration": {
      "EnableIntegration": boolean
   },
   "S3BucketArn": "string",
   "SnsTopicArn": "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.

EnableCrossAccountsDiscovery (p. 12)

Indicates whether cross-account discovery has been enabled.

Type: Boolean

LicenseManagerResourceShareArn (p. 12)

Amazon Resource Name (ARN) of the AWS resource share. The License Manager master account will provide member accounts with access to this share.

Type: String

OrganizationConfiguration (p. 12)

Indicates whether AWS Organizations has been integrated with License Manager for cross-account discovery.

Type: OrganizationConfiguration (p. 54) object

S3BucketArn (p. 12)

Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on.

Type: String

SnsTopicArn (p. 12)

SNS topic configured to receive notifications from License Manager.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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- AWS SDK for Ruby V2

ListAssociationsForLicenseConfiguration

Lists the resource associations for the specified license configuration.

Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules).

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

LicenseConfigurationArn (p. 14)

Amazon Resource Name (ARN) of a license configuration.

Type: String

Required: Yes

MaxResults (p. 14)

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken (p. 14)

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "LicenseConfigurationAssociations": [
      {
         "AssociationTime": number,
         "ResourceArn": "string",
         "ResourceOwnerId": "string",
         "ResourceType": "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.

LicenseConfigurationAssociations (p. 14)

Information about the associations for the license configuration.

Type: Array of LicenseConfigurationAssociation (p. 49) objects

NextToken (p. 14)

Token for the next set of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

FilterLimitExceededException

The request uses too many filters or too many filter values.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

See Also

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- AWS Command Line Interface
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- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

ListLicenseConfigurations

Lists the license configurations for your account.

Request Syntax

```
{
   "Filters": [
      {
         "Name": "string",
         "Values": [ "string" ]
      }
   ],
   "LicenseConfigurationArns": [ "string" ],
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

Filters (p. 17)

One or more filters.

- `licenseCountingType` - The dimension on which licenses are counted (vCPU). Conditions supported are `EQUALS` | `NOT_EQUALS`.
- `enforceLicenseCount` - A Boolean value that indicates whether hard license enforcement is used. Conditions supported are `EQUALS` | `NOT_EQUALS`.
- `usagelimitExceeded` - A Boolean value that indicates whether the available licenses have been exceeded. Conditions supported are `EQUALS` | `NOT_EQUALS`.

Type: Array of Filter (p. 45) objects

Required: No

LicenseConfigurationArns (p. 17)

Amazon Resource Names (ARN) of the license configurations.

Type: Array of strings

Required: No

MaxResults (p. 17)

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken (p. 17)

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "LicenseConfigurations": [
      {
         "ConsumedLicenses": number,
         "ConsumedLicenseSummaryList": [
            {
               "ConsumedLicenses": number,
               "ResourceType": "string"
            }
         ],
         "Description": "string",
         "LicenseConfigurationArn": "string",
         "LicenseConfigurationId": "string",
         "LicenseCount": number,
         "LicenseCountHardLimit": boolean,
         "LicenseCountingType": "string",
         "LicenseRules": [ "string" ],
         "ManagedResourceSummaryList": [
            {
               "AssociationCount": number,
               "ResourceType": "string"
            }
         ],
         "Name": "string",
         "OwnerAccountId": "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.

LicenseConfigurations (p. 18)

Information about the license configurations.

Type: Array of LicenseConfiguration (p. 47) objects

NextToken (p. 18)

Token for the next set of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

FilterLimitExceededException

The request uses too many filters or too many filter values.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

ListLicenseSpecificationsForResource

Describes the license configurations for the specified resource.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

MaxResults (p. 20)

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken (p. 20)

Token for the next set of results.

Type: String

Required: No

ResourceArn (p. 20)

Amazon Resource Name (ARN) of a resource that has an associated license configuration.

Type: String

Required: Yes

Response Syntax

```
{
   "LicenseSpecifications": [
      {
         "LicenseConfigurationArn": "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.

LicenseSpecifications (p. 20)

License configurations associated with a resource.

Type: Array of LicenseSpecification (p. 52) objects

NextToken (p. 20)

Token for the next set of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
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- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3

- AWS SDK for Python
- AWS SDK for Ruby V2

ListResourceInventory

Lists resources managed using Systems Manager inventory.

Request Syntax

```
{
   "Filters": [
      {
         "Condition": "string",
         "Name": "string",
         "Value": "string"
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

Filters (p. 23)

One or more filters.

- `account_id` - The ID of the AWS account that owns the resource. Conditions supported are `EQUALS` | `NOT_EQUALS`.
- `application_name` - The name of the application. Conditions supported are `EQUALS` | `BEGINS_WITH`.
- `platform` - The platform of the resource. Conditions supported are `EQUALS` | `BEGINS_WITH`.
- `resource_id` - The ID of the resource. Conditions supported are `EQUALS` | `NOT_EQUALS`.

Type: Array of InventoryFilter (p. 46) objects

Required: No

MaxResults (p. 23)

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken (p. 23)

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
```

```
   "NextToken": "string",
   "ResourceInventoryList": [
      {
         "Platform": "string",
         "PlatformVersion": "string",
         "ResourceArn": "string",
         "ResourceId": "string",
         "ResourceOwningAccountId": "string",
         "ResourceType": "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. 23)

Token for the next set of results.

Type: String

ResourceInventoryList (p. 23)

Information about the resources.

Type: Array of ResourceInventory (p. 55) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

FailedDependencyException

A dependency required to run the API is missing.

HTTP Status Code: 400

FilterLimitExceededException

The request uses too many filters or too many filter values.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

See Also

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- AWS SDK for Ruby V2

ListTagsForResource

Lists the tags for the specified license configuration.

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

ResourceArn (p. 26)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

Response Syntax

```
{
   "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.

Tags (p. 26)

Information about the tags.

Type: Array of Tag (p. 57) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

See Also

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- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

ListUsageForLicenseConfiguration

Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration.

Request Syntax

```
{
   "Filters": [
      {
         "Name": "string",
         "Values": [ "string" ]
      }
   ],
   "LicenseConfigurationArn": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

Filters (p. 28)

Filters to apply.

- `resourceArn` - The ARN of the license configuration resource. Conditions supported are `EQUALS` | `NOT_EQUALS`.
- `resourceType` - The resource type (EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE). Conditions supported are `EQUALS` | `NOT_EQUALS`.
- `resourceAccount` - The ID of the account that owns the resource. Conditions supported are `EQUALS` | `NOT_EQUALS`.

Type: Array of Filter (p. 45) objects

Required: No

LicenseConfigurationArn (p. 28)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

MaxResults (p. 28)

Maximum number of results to return in a single call.

Type: Integer

Required: No

NextToken (p. 28)

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "LicenseConfigurationUsageList": [
      {
         "AssociationTime": number,
         "ConsumedLicenses": number,
         "ResourceArn": "string",
         "ResourceOwnerId": "string",
         "ResourceStatus": "string",
         "ResourceType": "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.

LicenseConfigurationUsageList (p. 29)

Information about the license configurations.

Type: Array of LicenseConfigurationUsage (p. 50) objects

NextToken (p. 29)

Token for the next set of results.

Type: String

Errors

For information about the errors that are common to all actions, see Common Errors (p. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

FilterLimitExceededException

The request uses too many filters or too many filter values.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

See Also

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- AWS SDK for Ruby V2

TagResource

Adds the specified tags to the specified license configuration.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

ResourceArn (p. 31)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

Tags (p. 31)

One or more tags.

Type: Array of Tag (p. 57) objects

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

UntagResource

Removes the specified tags from the specified license configuration.

Request Syntax

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

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

ResourceArn (p. 33)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

TagKeys (p. 33)

Keys identifying the tags to remove.

Type: Array of strings

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

UpdateLicenseConfiguration

Modifies the attributes of an existing license configuration.

A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used.

Request Syntax

```
{
   "Description": "string",
   "LicenseConfigurationArn": "string",
   "LicenseConfigurationStatus": "string",
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseRules": [ "string" ],
   "Name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

Description (p. 35)

New description of the license configuration.

Type: String

Required: No

LicenseConfigurationArn (p. 35)

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

LicenseConfigurationStatus (p. 35)

New status of the license configuration.

Type: String

Valid Values: `AVAILABLE | DISABLED`

Required: No

LicenseCount (p. 35)

New number of licenses managed by the license configuration.

Type: Long

Required: No

LicenseCountHardLimit (p. 35)

New hard limit of the number of available licenses.

Type: Boolean

Required: No

LicenseRules (p. 35)

New license rules.

Type: Array of strings

Required: No

Name (p. 35)

New name of the license configuration.

Type: String

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

UpdateLicenseSpecificationsForResource

Adds or removes the specified license configurations for the specified AWS resource.

You can update the license specifications of AMIs, instances, and hosts. You cannot update the license specifications for launch templates and AWS CloudFormation templates, as they send license configurations to the operation that creates the resource.

Request Syntax

```
{
   "AddLicenseSpecifications": [
      {
         "LicenseConfigurationArn": "string"
      }
   ],
   "RemoveLicenseSpecifications": [
      {
         "LicenseConfigurationArn": "string"
      }
   ],
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

AddLicenseSpecifications (p. 38)

ARNs of the license configurations to add.

Type: Array of LicenseSpecification (p. 52) objects

Required: No

RemoveLicenseSpecifications (p. 38)

ARNs of the license configurations to remove.

Type: Array of LicenseSpecification (p. 52) objects

Required: No

ResourceArn (p. 38)

Amazon Resource Name (ARN) of the AWS resource.

Type: String

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

InvalidResourceStateException

License Manager cannot allocate a license to a resource because of its state.

For example, you cannot allocate a license to an instance in the process of shutting down.

HTTP Status Code: 400

LicenseUsageException

You do not have enough licenses available to support a new resource launch.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python

- AWS SDK for Ruby V2

UpdateServiceSettings

Updates License Manager settings for the current Region.

Request Syntax

```
{
   "EnableCrossAccountsDiscovery": boolean,
   "OrganizationConfiguration": {
      "EnableIntegration": boolean
   },
   "S3BucketArn": "string",
   "SnsTopicArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 58).

The request accepts the following data in JSON format.

EnableCrossAccountsDiscovery (p. 41)

Activates cross-account discovery.

Type: Boolean

Required: No

OrganizationConfiguration (p. 41)

Enables integration with AWS Organizations for cross-account discovery.

Type: OrganizationConfiguration (p. 54) object

Required: No

S3BucketArn (p. 41)

Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored.

Type: String

Required: No

SnsTopicArn (p. 41)

Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.

Type: String

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. 60).

AccessDeniedException

Access to resource denied.

HTTP Status Code: 400

AuthorizationException

The AWS user account does not have permission to perform the action. Check the IAM policy associated with this account.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

RateLimitExceededException

Too many requests have been submitted. Try again after a brief wait.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

Data Types

The AWS License Manager 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:

ConsumedLicenseSummary

Details about license consumption.

Contents

ConsumedLicenses

The number of licenses consumed by the resource.

Type: Long

Required: No

ResourceType

The resource type of the resource consuming a license.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE`

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
- AWS SDK for Ruby V2

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

Name

The name of the filter. Filter names are case-sensitive.

Type: String

Required: No

Values

One or more filter values. Filter values are case-sensitive.

Type: Array of strings

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
- AWS SDK for Ruby V2

InventoryFilter

An inventory filter.

Contents

Condition

The condition of the filter.

Type: String

Valid Values: `EQUALS | NOT_EQUALS | BEGINS_WITH | CONTAINS`

Required: Yes

Name

The name of the filter.

Type: String

Required: Yes

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2

LicenseConfiguration

A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used.

Contents

ConsumedLicenses

Number of licenses consumed.

Type: Long

Required: No

ConsumedLicenseSummaryList

Summaries for licenses consumed by various resources.

Type: Array of ConsumedLicenseSummary (p. 44) objects

Required: No

Description

Description of the license configuration.

Type: String

Required: No

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: No

LicenseConfigurationId

Unique ID of the license configuration.

Type: String

Required: No

LicenseCount

Number of licenses managed by the license configuration.

Type: Long

Required: No

LicenseCountHardLimit

Number of available licenses as a hard limit.

Type: Boolean

Required: No

LicenseCountingType

Dimension to use to track the license inventory.

Type: String

Valid Values: `vCPU | Instance | Core | Socket`

Required: No

LicenseRules

License rules.

Type: Array of strings

Required: No

ManagedResourceSummaryList

Summaries for managed resources.

Type: Array of ManagedResourceSummary (p. 53) objects

Required: No

Name

Name of the license configuration.

Type: String

Required: No

OwnerAccountId

Account ID of the license configuration's owner.

Type: String

Required: No

Status

Status of the license configuration.

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2

LicenseConfigurationAssociation

Describes an association with a license configuration.

Contents

AssociationTime

Time when the license configuration was associated with the resource.

Type: Timestamp

Required: No

ResourceArn

Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

ResourceOwnerId

ID of the AWS account that owns the resource consuming licenses.

Type: String

Required: No

ResourceType

Type of server resource.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE`

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
- AWS SDK for Ruby V2

LicenseConfigurationUsage

Details about the usage of a resource associated with a license configuration.

Contents

AssociationTime

Time when the license configuration was initially associated with the resource.

Type: Timestamp

Required: No

ConsumedLicenses

Number of licenses consumed by the resource.

Type: Long

Required: No

ResourceArn

Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

ResourceOwnerId

ID of the account that owns the resource.

Type: String

Required: No

ResourceStatus

Status of the resource.

Type: String

Required: No

ResourceType

Type of resource.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE`

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
- AWS SDK for Ruby V2

LicenseSpecification

Details for associating a license configuration with a resource.

Contents

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V2

ManagedResourceSummary

Summary information about a managed resource.

Contents

AssociationCount

Number of resources associated with licenses.

Type: Long

Required: No

ResourceType

Type of resource associated with a license.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE`

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
- AWS SDK for Ruby V2

OrganizationConfiguration

Configuration information for AWS Organizations.

Contents

EnableIntegration

Enables AWS Organization integration.

Type: Boolean

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
- AWS SDK for Ruby V2

ResourceInventory

Details about a resource.

Contents

Platform

Platform of the resource.

Type: String

Required: No

PlatformVersion

Platform version of the resource in the inventory.

Type: String

Required: No

ResourceArn

Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

ResourceId

ID of the resource.

Type: String

Required: No

ResourceOwningAccountId

ID of the account that owns the resource.

Type: String

Required: No

ResourceType

Type of resource.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | SYSTEMS_MANAGER_MANAGED_INSTANCE`

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
- AWS SDK for Ruby V2

Tag

Details about a tag for a license configuration.

Contents

Key

Tag key.

Type: String

Required: No

Value

Tag value.

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2

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 Signature Version 4 Signing Process in the *Amazon Web Services General Reference*.

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 Task 2: Create a String to Sign for Signature Version 4 in the *Amazon Web Services General Reference*.

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 Handling Dates in Signature Version 4 in the *Amazon Web Services General Reference*.

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 Security Token Service, go to AWS Services That Work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 Task 1: Create a Canonical Request For Signature Version 4 in the *Amazon Web Services General Reference*.

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

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

InvalidQueryParameter

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

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