API Reference

AWS License Manager

API Version 2018-08-01

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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.

This document was last published on April 24, 2024.

Actions

The following actions are supported:

- AcceptGrant
- CheckInLicense
- CheckoutBorrowLicense
- CheckoutLicense
- CreateGrant
- CreateGrantVersion
- CreateLicense
- CreateLicenseConfiguration
- CreateLicenseConversionTaskForResource
- CreateLicenseManagerReportGenerator
- CreateLicenseVersion
- CreateToken
- DeleteGrant
- DeleteLicense
- DeleteLicenseConfiguration
- DeleteLicenseManagerReportGenerator
- DeleteToken
- ExtendLicenseConsumption
- GetAccessToken
- GetGrant
- GetLicense
- GetLicenseConfiguration
- GetLicenseConversionTask
- GetLicenseManagerReportGenerator
- GetLicenseUsage
- GetServiceSettings
- ListAssociationsForLicenseConfiguration

- ListDistributedGrants
- ListFailuresForLicenseConfigurationOperations
- ListLicenseConfigurations
- ListLicenseConversionTasks
- ListLicenseManagerReportGenerators
- ListLicenses
- ListLicenseSpecificationsForResource
- ListLicenseVersions
- ListReceivedGrants
- ListReceivedGrantsForOrganization
- ListReceivedLicenses
- ListReceivedLicensesForOrganization
- ListResourceInventory
- ListTagsForResource
- ListTokens
- ListUsageForLicenseConfiguration
- RejectGrant
- TagResource
- UntagResource
- UpdateLicenseConfiguration
- UpdateLicenseManagerReportGenerator
- UpdateLicenseSpecificationsForResource
- UpdateServiceSettings

AcceptGrant

Accepts the specified grant.

Request Syntax

```
{
   "GrantArn": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Response Syntax

```
{
   "GrantArn": "string",
   "Status": "string",
   "Version": "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.

GrantArn

Grant ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Version

Grant version.

Type: String

Errors

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

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

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

CheckInLicense

Checks in the specified license. Check in a license when it is no longer in use.

Request Syntax

```
{
   "Beneficiary": "string",
   "LicenseConsumptionToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Beneficiary

License beneficiary.

Type: String

Required: No

LicenseConsumptionToken

License consumption token.

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.

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

ConflictException

There was a conflict processing the request. Try your request again.

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

CheckoutBorrowLicense

Checks out the specified license for offline use.

Request Syntax

```
{
   "CheckoutMetadata": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "ClientToken": "string",
   "DigitalSignatureMethod": "string",
   "Entitlements": [
      {
         "Name": "string",
         "Unit": "string",
         "Value": "string"
      }
   ],
   "LicenseArn": "string",
   "NodeId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

CheckoutMetadata

Information about constraints.

Type: Array of Metadata objects

Required: No

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

DigitalSignatureMethod

Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see RFC 7518 Digital Signature with RSASSA-PSS.

Type: String

Valid Values: JWT_PS384

Required: Yes

Entitlements

License entitlements. Partial checkouts are not supported.

Type: Array of EntitlementData objects

Required: Yes

LicenseArn

Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: ^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$

Required: Yes

NodeId

Node ID.

Type: String

Required: No

Response Syntax

```
{
   "CheckoutMetadata": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "EntitlementsAllowed": [
      {
         "Name": "string",
         "Unit": "string",
         "Value": "string"
      }
   ],
   "Expiration": "string",
   "IssuedAt": "string",
   "LicenseArn": "string",
   "LicenseConsumptionToken": "string",
   "NodeId": "string",
   "SignedToken": "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.

CheckoutMetadata

Information about constraints.

Type: Array of Metadata objects

EntitlementsAllowed

Allowed license entitlements.

Type: Array of EntitlementData objects

Expiration

Date and time at which the license checkout expires.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

IssuedAt

Date and time at which the license checkout is issued.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

LicenseConsumptionToken

License consumption token.

Type: String

NodeId

Node ID.

Type: String

SignedToken

Signed token.

Type: String

Length Constraints: Minimum length of 4096.

Errors

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

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

EntitlementNotAllowedException

The entitlement is not allowed.

HTTP Status Code: 400

InvalidParameterValueException

One or more parameter values are not valid.

HTTP Status Code: 400

NoEntitlementsAllowedException

There are no entitlements found for this license, or the entitlement maximum count is reached.

HTTP Status Code: 400

RateLimitExceededException

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

HTTP Status Code: 400

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

UnsupportedDigitalSignatureMethodException

The digital signature method is unsupported. Try your request again.

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

CheckoutLicense

Checks out the specified license.

> **Note**
>
> If the account that created the license is the same that is performing the check out, you must specify the account as the beneficiary.

Request Syntax

```
{
   "Beneficiary": "string",
   "CheckoutType": "string",
   "ClientToken": "string",
   "Entitlements": [
      {
         "Name": "string",
         "Unit": "string",
         "Value": "string"
      }
   ],
   "KeyFingerprint": "string",
   "NodeId": "string",
   "ProductSKU": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Beneficiary

License beneficiary.

Type: String

Required: No

CheckoutType

Checkout type.

Type: String

Valid Values: `PROVISIONAL | PERPETUAL`

Required: Yes

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

Entitlements

License entitlements.

Type: Array of EntitlementData objects

Required: Yes

KeyFingerprint

Key fingerprint identifying the license.

Type: String

Required: Yes

NodeId

Node ID.

Type: String

Required: No

ProductSKU

Product SKU.

Type: String

Required: Yes

Response Syntax

```
{
   "CheckoutType": "string",
   "EntitlementsAllowed": [
      {
         "Name": "string",
         "Unit": "string",
         "Value": "string"
      }
   ],
   "Expiration": "string",
   "IssuedAt": "string",
   "LicenseArn": "string",
   "LicenseConsumptionToken": "string",
   "NodeId": "string",
   "SignedToken": "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.

CheckoutType

Checkout type.

Type: String

Valid Values: `PROVISIONAL | PERPETUAL`

EntitlementsAllowed

Allowed license entitlements.

Type: Array of EntitlementData objects

Expiration

Date and time at which the license checkout expires.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

IssuedAt

Date and time at which the license checkout is issued.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

LicenseArn

Amazon Resource Name (ARN) of the checkout license.

Type: String

LicenseConsumptionToken

License consumption token.

Type: String

NodeId

Node ID.

Type: String

SignedToken

Signed token.

Type: String

Length Constraints: Minimum length of 4096.

Errors

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

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

NoEntitlementsAllowedException

There are no entitlements found for this license, or the entitlement maximum count is reached.

HTTP Status Code: 400

RateLimitExceededException

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

HTTP Status Code: 400

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

UnsupportedDigitalSignatureMethodException

The digital signature method is unsupported. Try your request again.

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

CreateGrant

Creates a grant for the specified license. A grant shares the use of license entitlements with a specific AWS account, an organization, or an organizational unit (OU). For more information, see Granted licenses in License Manager in the *AWS License Manager User Guide*.

Request Syntax

```
{
   "AllowedOperations": [ "string" ],
   "ClientToken": "string",
   "GrantName": "string",
   "HomeRegion": "string",
   "LicenseArn": "string",
   "Principals": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

AllowedOperations

Allowed operations for the grant.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Valid Values: `CreateGrant | CheckoutLicense | CheckoutBorrowLicense | CheckInLicense | ExtendConsumptionLicense | ListPurchasedLicenses | CreateToken | BatchCreateLicenseUsageRecords`

Required: Yes

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

GrantName

Grant name.

Type: String

Required: Yes

HomeRegion

Home Region of the grant.

Type: String

Required: Yes

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Principals

The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):

- An AWS account, which includes only the account specified.
- An organizational unit (OU), which includes all accounts in the OU.
- An organization, which will include all accounts across your organization.

Type: Array of strings

Array Members: Fixed number of 1 item.

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Response Syntax

```
{
   "GrantArn": "string",
   "Status": "string",
   "Version": "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.

GrantArn

Grant ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Version

Grant version.

Type: String

Errors

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

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

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

CreateGrantVersion

Creates a new version of the specified grant. For more information, see Granted licenses in License Manager in the *AWS License Manager User Guide*.

Request Syntax

```
{
   "AllowedOperations": [ "string" ],
   "ClientToken": "string",
   "GrantArn": "string",
   "GrantName": "string",
   "Options": {
      "ActivationOverrideBehavior": "string"
   },
   "SourceVersion": "string",
   "Status": "string",
   "StatusReason": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

AllowedOperations

Allowed operations for the grant.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Valid Values: `CreateGrant | CheckoutLicense | CheckoutBorrowLicense | CheckInLicense | ExtendConsumptionLicense | ListPurchasedLicenses | CreateToken | BatchCreateLicenseUsageRecords`

Required: No

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

GrantName

Grant name.

Type: String

Required: No

Options

The options specified for the grant.

Type: Options object

Required: No

SourceVersion

Current version of the grant.

Type: String

Required: No

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Required: No

StatusReason

Grant status reason.

Type: String

Length Constraints: Maximum length of 400.

Pattern: `[\s\S]+`

Required: No

Response Syntax

```
{
   "GrantArn": "string",
   "Status": "string",
   "Version": "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.

GrantArn

Grant ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Version

New version of the grant.

Type: String

Errors

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

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

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

CreateLicense

Creates a license.

Request Syntax

```
{
   "Beneficiary": "string",
   "ClientToken": "string",
   "ConsumptionConfiguration": {
      "BorrowConfiguration": {
         "AllowEarlyCheckIn": boolean,
         "MaxTimeToLiveInMinutes": number
      },
      "ProvisionalConfiguration": {
         "MaxTimeToLiveInMinutes": number
      },
      "RenewType": "string"
   },
   "Entitlements": [
      {
         "AllowCheckIn": boolean,
         "MaxCount": number,
         "Name": "string",
         "Overage": boolean,
         "Unit": "string",
         "Value": "string"
      }
   ],
   "HomeRegion": "string",
   "Issuer": {
      "Name": "string",
      "SignKey": "string"
   },
   "LicenseMetadata": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "LicenseName": "string",
   "ProductName": "string",
   "ProductSKU": "string",
```

```
    "Validity": {
       "Begin": "string",
       "End": "string"
    }
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Beneficiary

License beneficiary.

Type: String

Required: Yes

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

ConsumptionConfiguration

Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.

Type: ConsumptionConfiguration object

Required: Yes

Entitlements

License entitlements.

Type: Array of Entitlement objects

Required: Yes

HomeRegion

Home Region for the license.

Type: String

Required: Yes

Issuer

License issuer.

Type: Issuer object

Required: Yes

LicenseMetadata

Information about the license.

Type: Array of Metadata objects

Required: No

LicenseName

License name.

Type: String

Required: Yes

ProductName

Product name.

Type: String

Required: Yes

ProductSKU

Product SKU.

Type: String

Required: Yes

Validity

Date and time range during which the license is valid, in ISO8601-UTC format.

Type: DatetimeRange object

Required: Yes

Response Syntax

```
{
   "LicenseArn": "string",
   "Status": "string",
   "Version": "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.

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

License status.

Type: String

Valid Values: `AVAILABLE | PENDING_AVAILABLE | DEACTIVATED | SUSPENDED | EXPIRED | PENDING_DELETE | DELETED`

Version

License version.

Type: String

Errors

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

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

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

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), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used.

Request Syntax

```
{
   "Description": "string",
   "DisassociateWhenNotFound": boolean,
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseCountingType": "string",
   "LicenseRules": [ "string" ],
   "Name": "string",
   "ProductInformationList": [
      {
         "ProductInformationFilterList": [
            {
               "ProductInformationFilterComparator": "string",
               "ProductInformationFilterName": "string",
               "ProductInformationFilterValue": [ "string" ]
            }
         ],
         "ResourceType": "string"
      }
   ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Description

Description of the license configuration.

Type: String

Required: No

DisassociateWhenNotFound

When true, disassociates a resource when software is uninstalled.

Type: Boolean

Required: No

LicenseCount

Number of licenses managed by the license configuration.

Type: Long

Required: No

LicenseCountHardLimit

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

Type: Boolean

Required: No

LicenseCountingType

Dimension used to track the license inventory.

Type: String

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

Required: Yes

LicenseRules

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

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

The unit for `licenseAffinityToHost` is days and the range is 1 to 180. The possible values for `allowedTenancy` are `EC2-Default`, `EC2-DedicatedHost`, and `EC2-DedicatedInstance`. The possible values for `honorVcpuOptimization` are `True` and `False`.

Type: Array of strings

Required: No

Name

Name of the license configuration.

Type: String

Required: Yes

ProductInformationList

Product information.

Type: Array of ProductInformation objects

Required: No

Tags

Tags to add to the license configuration.

Type: Array of Tag 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

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.

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 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

CreateLicenseConversionTaskForResource

Creates a new license conversion task.

Request Syntax

```
{
   "DestinationLicenseContext": {
      "UsageOperation": "string"
   },
   "ResourceArn": "string",
   "SourceLicenseContext": {
      "UsageOperation": "string"
   }
}
```

Request Parameters

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

The request accepts the following data in JSON format.

DestinationLicenseContext

Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the AWS CLI in the *AWS License Manager User Guide*.

Type: LicenseConversionContext object

Required: Yes

ResourceArn

Amazon Resource Name (ARN) of the resource you are converting the license type for.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

SourceLicenseContext

Information that identifies the license type you are converting from. For the structure of the source license, see Convert a license type using the AWS CLI in the *AWS License Manager User Guide*.

Type: LicenseConversionContext object

Required: Yes

Response Syntax

```
{
   "LicenseConversionTaskId": "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.

LicenseConversionTaskId

The ID of the created license type conversion task.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^lct-[a-zA-Z0-9]*`

Errors

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

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

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

CreateLicenseManagerReportGenerator

Creates a report generator.

Request Syntax

```
{
   "ClientToken": "string",
   "Description": "string",
   "ReportContext": {
      "licenseConfigurationArns": [ "string" ]
   },
   "ReportFrequency": {
      "period": "string",
      "value": number
   },
   "ReportGeneratorName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Required: Yes

Description

Description of the report generator.

Type: String

Required: No

ReportContext

Defines the type of license configuration the report generator tracks.

Type: ReportContext object

Required: Yes

ReportFrequency

Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly.

Type: ReportFrequency object

Required: Yes

ReportGeneratorName

Name of the report generator.

Type: String

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

Required: Yes

Tags

Tags to add to the report generator.

Type: Array of Tag objects

Required: No

Type

Type of reports to generate. The following report types an be generated:

- License configuration report - Reports the number and details of consumed licenses for a license configuration.
- Resource report - Reports the tracked licenses and resource consumption for a license configuration.

Type: Array of strings

Valid Values: `LicenseConfigurationSummaryReport | LicenseConfigurationUsageReport`

Required: Yes

Response Syntax

```
{
   "LicenseManagerReportGeneratorArn": "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.

LicenseManagerReportGeneratorArn

The Amazon Resource Name (ARN) of the new report generator.

Type: String

Errors

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

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

CreateLicenseVersion

Creates a new version of the specified license.

Request Syntax

```
{
   "ClientToken": "string",
   "ConsumptionConfiguration": {
      "BorrowConfiguration": {
         "AllowEarlyCheckIn": boolean,
         "MaxTimeToLiveInMinutes": number
      },
      "ProvisionalConfiguration": {
         "MaxTimeToLiveInMinutes": number
      },
      "RenewType": "string"
   },
   "Entitlements": [
      {
         "AllowCheckIn": boolean,
         "MaxCount": number,
         "Name": "string",
         "Overage": boolean,
         "Unit": "string",
         "Value": "string"
      }
   ],
   "HomeRegion": "string",
   "Issuer": {
      "Name": "string",
      "SignKey": "string"
   },
   "LicenseArn": "string",
   "LicenseMetadata": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "LicenseName": "string",
   "ProductName": "string",
   "SourceVersion": "string",
```

```
   "Status": "string",
   "Validity": {
      "Begin": "string",
      "End": "string"
   }
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

ConsumptionConfiguration

Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.

Type: ConsumptionConfiguration object

Required: Yes

Entitlements

License entitlements.

Type: Array of Entitlement objects

Required: Yes

HomeRegion

Home Region of the license.

Type: String

Required: Yes

Issuer

License issuer.

Type: Issuer object

Required: Yes

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

LicenseMetadata

Information about the license.

Type: Array of Metadata objects

Required: No

LicenseName

License name.

Type: String

Required: Yes

ProductName

Product name.

Type: String

Required: Yes

SourceVersion

Current version of the license.

Type: String

Required: No

Status

License status.

Type: String

Valid Values: `AVAILABLE | PENDING_AVAILABLE | DEACTIVATED | SUSPENDED | EXPIRED | PENDING_DELETE | DELETED`

Required: Yes

Validity

Date and time range during which the license is valid, in ISO8601-UTC format.

Type: DatetimeRange object

Required: Yes

Response Syntax

```
{
   "LicenseArn": "string",
   "Status": "string",
   "Version": "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.

LicenseArn

License ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

License status.

Type: String

Valid Values: `AVAILABLE | PENDING_AVAILABLE | DEACTIVATED | SUSPENDED | EXPIRED | PENDING_DELETE | DELETED`

Version

New version of the license.

Type: String

Errors

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

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

ConflictException

There was a conflict processing the request. Try your request again.

HTTP Status Code: 400

RateLimitExceededException

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

HTTP Status Code: 400

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

CreateToken

Creates a long-lived token.

A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license.

Request Syntax

```
{
   "ClientToken": "string",
   "ExpirationInDays": number,
   "LicenseArn": "string",
   "RoleArns": [ "string" ],
   "TokenProperties": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ClientToken

Idempotency token, valid for 10 minutes.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: \S+

Required: Yes

ExpirationInDays

Token expiration, in days, counted from token creation. The default is 365 days.

Type: Integer

Required: No

LicenseArn

Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

RoleArns

Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

TokenProperties

Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token.

Type: Array of strings

Array Members: Maximum number of 3 items.

Required: No

Response Syntax

```
{
```

```
    "Token": "string",
    "TokenId": "string",
    "TokenType": "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.

Token

Refresh token, encoded as a JWT token.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

TokenId

Token ID.

Type: String

TokenType

Token type.

Type: String

Valid Values: REFRESH_TOKEN

Errors

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

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

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ResourceLimitExceededException

Your resource limits have been exceeded.

HTTP Status Code: 400

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

DeleteGrant

Deletes the specified grant.

Request Syntax

```
{
   "GrantArn": "string",
   "StatusReason": "string",
   "Version": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

StatusReason

The Status reason for the delete request.

Type: String

Length Constraints: Maximum length of 400.

Pattern: `[\s\S]+`

Required: No

Version

Current version of the grant.

Type: String

Required: Yes

Response Syntax

```
{
   "GrantArn": "string",
   "Status": "string",
   "Version": "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.

GrantArn

Grant ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Version

Grant version.

Type: String

Errors

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

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

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

DeleteLicense

Deletes the specified license.

Request Syntax

```
{
   "LicenseArn": "string",
   "SourceVersion": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

SourceVersion

Current version of the license.

Type: String

Required: Yes

Response Syntax

```
{
```

```
   "DeletionDate": "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.

DeletionDate

Date when the license is deleted.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Status

License status.

Type: String

Valid Values: `PENDING_DELETE | DELETED`

Errors

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

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

ConflictException

There was a conflict processing the request. Try your request again.

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

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

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.

The request accepts the following data in JSON format.

LicenseConfigurationArn

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.

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 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

DeleteLicenseManagerReportGenerator

Deletes the specified report generator.

This action deletes the report generator, which stops it from generating future reports. The action cannot be reversed. It has no effect on the previous reports from this generator.

Request Syntax

```
{
   "LicenseManagerReportGeneratorArn": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseManagerReportGeneratorArn

Amazon Resource Name (ARN) of the report generator to be deleted.

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.

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

DeleteToken

Deletes the specified token. Must be called in the license home Region.

Request Syntax

```
{
   "TokenId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

TokenId

Token ID.

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.

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

RedirectException

This is not the correct Region for the resource. Try again.

HTTP Status Code: 400

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

ExtendLicenseConsumption

Extends the expiration date for license consumption.

Request Syntax

```
{
   "DryRun": boolean,
   "LicenseConsumptionToken": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

DryRun

Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.

Type: Boolean

Required: No

LicenseConsumptionToken

License consumption token.

Type: String

Required: Yes

Response Syntax

```
{
   "Expiration": "string",
   "LicenseConsumptionToken": "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.

Expiration

Date and time at which the license consumption expires.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

LicenseConsumptionToken

License consumption token.

Type: String

Errors

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

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

GetAccessToken

Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens are valid for one hour.

Request Syntax

```
{
   "Token": "string",
   "TokenProperties": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Token

Refresh token, encoded as a JWT token.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Required: Yes

TokenProperties

Token properties to validate against those present in the JWT token.

Type: Array of strings

Array Members: Maximum number of 3 items.

Required: No

Response Syntax

```
{
```

```
   "AccessToken": "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.

AccessToken

Temporary access token.

Type: String

Length Constraints: Maximum length of 4096.

Pattern: \S+

Errors

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

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

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

GetGrant

Gets detailed information about the specified grant.

Request Syntax

```
{
   "GrantArn": "string",
   "Version": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Version

Grant version.

Type: String

Required: No

Response Syntax

```
{
```

```
   "Grant": {
      "GrantArn": "string",
      "GrantedOperations": [ "string" ],
      "GranteePrincipalArn": "string",
      "GrantName": "string",
      "GrantStatus": "string",
      "HomeRegion": "string",
      "LicenseArn": "string",
      "Options": {
         "ActivationOverrideBehavior": "string"
      },
      "ParentArn": "string",
      "StatusReason": "string",
      "Version": "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.

Grant

Grant details.

Type: Grant object

Errors

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

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

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

GetLicense

Gets detailed information about the specified license.

Request Syntax

```
{
   "LicenseArn": "string",
   "Version": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Version

License version.

Type: String

Required: No

Response Syntax

```
{
   "License": {
```

```
   "Beneficiary": "string",
   "ConsumptionConfiguration": {
      "BorrowConfiguration": {
         "AllowEarlyCheckIn": boolean,
         "MaxTimeToLiveInMinutes": number
      },
      "ProvisionalConfiguration": {
         "MaxTimeToLiveInMinutes": number
      },
      "RenewType": "string"
   },
   "CreateTime": "string",
   "Entitlements": [
      {
         "AllowCheckIn": boolean,
         "MaxCount": number,
         "Name": "string",
         "Overage": boolean,
         "Unit": "string",
         "Value": "string"
      }
   ],
   "HomeRegion": "string",
   "Issuer": {
      "KeyFingerprint": "string",
      "Name": "string",
      "SignKey": "string"
   },
   "LicenseArn": "string",
   "LicenseMetadata": [
      {
         "Name": "string",
         "Value": "string"
      }
   ],
   "LicenseName": "string",
   "ProductName": "string",
   "ProductSKU": "string",
   "Status": "string",
   "Validity": {
      "Begin": "string",
      "End": "string"
   },
   "Version": "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.

License

License details.

Type: License object

Errors

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

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

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

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.

The request accepts the following data in JSON format.

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

Response Syntax

```
{
   "AutomatedDiscoveryInformation": {
      "LastRunTime": number
   },
   "ConsumedLicenses": number,
   "ConsumedLicenseSummaryList": [
      {
         "ConsumedLicenses": number,
         "ResourceType": "string"
      }
   ],
   "Description": "string",
   "DisassociateWhenNotFound": boolean,
   "LicenseConfigurationArn": "string",
```

```
   "LicenseConfigurationId": "string",
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseCountingType": "string",
   "LicenseRules": [ "string" ],
   "ManagedResourceSummaryList": [
      {
         "AssociationCount": number,
         "ResourceType": "string"
      }
   ],
   "Name": "string",
   "OwnerAccountId": "string",
   "ProductInformationList": [
      {
         "ProductInformationFilterList": [
            {
               "ProductInformationFilterComparator": "string",
               "ProductInformationFilterName": "string",
               "ProductInformationFilterValue": [ "string" ]
            }
         ],
         "ResourceType": "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.

AutomatedDiscoveryInformation

Automated discovery information.

Type: AutomatedDiscoveryInformation object

ConsumedLicenses

Number of licenses assigned to resources.

Type: Long

ConsumedLicenseSummaryList

Summaries of the licenses consumed by resources.

Type: Array of ConsumedLicenseSummary objects

Description

Description of the license configuration.

Type: String

DisassociateWhenNotFound

When true, disassociates a resource when software is uninstalled.

Type: Boolean

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

LicenseConfigurationId

Unique ID for the license configuration.

Type: String

LicenseCount

Number of available licenses.

Type: Long

LicenseCountHardLimit

Sets the number of available licenses as a hard limit.

Type: Boolean

LicenseCountingType

Dimension for which the licenses are counted.

Type: String

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

LicenseRules

License rules.

Type: Array of strings

ManagedResourceSummaryList

Summaries of the managed resources.

Type: Array of ManagedResourceSummary objects

Name

Name of the license configuration.

Type: String

OwnerAccountId

Account ID of the owner of the license configuration.

Type: String

ProductInformationList

Product information.

Type: Array of ProductInformation objects

Status

License configuration status.

Type: String

Tags

Tags for the license configuration.

Type: Array of Tag objects

Errors

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

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 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

GetLicenseConversionTask

Gets information about the specified license type conversion task.

Request Syntax

```
{
   "LicenseConversionTaskId": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseConversionTaskId

ID of the license type conversion task to retrieve information on.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^lct-[a-zA-Z0-9]*`

Required: Yes

Response Syntax

```
{
   "DestinationLicenseContext": {
      "UsageOperation": "string"
   },
   "EndTime": number,
   "LicenseConversionTaskId": "string",
   "LicenseConversionTime": number,
   "ResourceArn": "string",
   "SourceLicenseContext": {
      "UsageOperation": "string"
```

```
    },
    "StartTime": number,
    "Status": "string",
    "StatusMessage": "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.

DestinationLicenseContext

Information about the license type converted to.

Type: LicenseConversionContext object

EndTime

Time at which the license type conversion task was completed.

Type: Timestamp

LicenseConversionTaskId

ID of the license type conversion task.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^lct-[a-zA-Z0-9]*`

LicenseConversionTime

Amount of time to complete the license type conversion.

Type: Timestamp

ResourceArn

Amazon Resource Names (ARN) of the resources the license conversion task is associated with.

Type: String

SourceLicenseContext

Information about the license type converted from.

Type: LicenseConversionContext object

StartTime

Time at which the license type conversion task was started .

Type: Timestamp

Status

Status of the license type conversion task.

Type: String

Valid Values: `IN_PROGRESS | SUCCEEDED | FAILED`

StatusMessage

The status message for the conversion task.

Type: String

Errors

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

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 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

GetLicenseManagerReportGenerator

Gets information about the specified report generator.

Request Syntax

```
{
   "LicenseManagerReportGeneratorArn": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseManagerReportGeneratorArn

Amazon Resource Name (ARN) of the report generator.

Type: String

Required: Yes

Response Syntax

```
{
   "ReportGenerator": {
      "CreateTime": "string",
      "Description": "string",
      "LastReportGenerationTime": "string",
      "LastRunFailureReason": "string",
      "LastRunStatus": "string",
      "LicenseManagerReportGeneratorArn": "string",
      "ReportContext": {
         "licenseConfigurationArns": [ "string" ]
      },
      "ReportCreatorAccount": "string",
      "ReportFrequency": {
         "period": "string",
         "value": number
```

```
      },
      "ReportGeneratorName": "string",
      "ReportType": [ "string" ],
      "S3Location": {
         "bucket": "string",
         "keyPrefix": "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.

ReportGenerator

A report generator that creates periodic reports about your license configurations.

Type: ReportGenerator object

Errors

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

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

GetLicenseUsage

Gets detailed information about the usage of the specified license.

Request Syntax

```
{
   "LicenseArn": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Response Syntax

```
{
   "LicenseUsage": {
      "EntitlementUsages": [
         {
            "ConsumedValue": "string",
            "MaxCount": "string",
            "Name": "string",
            "Unit": "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.

LicenseUsage

License usage details.

Type: LicenseUsage object

Errors

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

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

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

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

Indicates whether cross-account discovery is enabled.

Type: Boolean

LicenseManagerResourceShareArn

Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share.

Type: String

OrganizationConfiguration

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

Type: OrganizationConfiguration object

S3BucketArn

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

Type: String

SnsTopicArn

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.

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

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

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.

The request accepts the following data in JSON format.

LicenseConfigurationArn

Amazon Resource Name (ARN) of a license configuration.

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

```
{
   "LicenseConfigurationAssociations": [
      {
         "AmiAssociationScope": "string",
         "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

Information about the associations for the license configuration.

Type: Array of LicenseConfigurationAssociation 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

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 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

ListDistributedGrants

Lists the grants distributed for the specified license.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `LicenseArn`
- `GrantStatus`
- `GranteePrincipalARN`
- `ProductSKU`
- `LicenseIssuerName`

Type: Array of Filter objects

Required: No

GrantArns

Amazon Resource Names (ARNs) of the grants.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Grants": [
      {
         "GrantArn": "string",
         "GrantedOperations": [ "string" ],
         "GranteePrincipalArn": "string",
         "GrantName": "string",
         "GrantStatus": "string",
         "HomeRegion": "string",
         "LicenseArn": "string",
         "Options": {
            "ActivationOverrideBehavior": "string"
         },
```

```
            "ParentArn": "string",
            "StatusReason": "string",
            "Version": "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.

Grants

Distributed grant details.

Type: Array of Grant 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

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

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

ListFailuresForLicenseConfigurationOperations

Lists the license configuration operations that failed.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

LicenseConfigurationArn

Amazon Resource Name of the license configuration.

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

```
{
   "LicenseOperationFailureList": [
      {
         "ErrorMessage": "string",
         "FailureTime": number,
         "MetadataList": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "OperationName": "string",
         "OperationRequestedBy": "string",
         "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.

LicenseOperationFailureList

License configuration operations that failed.

Type: Array of LicenseOperationFailure 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

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 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

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.

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters and logical operators are supported:

- `licenseCountingType` - The dimension for which licenses are counted. Possible values are `vCPU` | `Instance` | `Core` | `Socket`.
- `enforceLicenseCount` - A Boolean value that indicates whether hard license enforcement is used.
- `usagelimitExceeded` - A Boolean value that indicates whether the available licenses have been exceeded.

Type: Array of Filter objects

Required: No

LicenseConfigurationArns

Amazon Resource Names (ARN) of the license configurations.

Type: Array of strings

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

```
{
   "LicenseConfigurations": [
      {
         "AutomatedDiscoveryInformation": {
            "LastRunTime": number
         },
         "ConsumedLicenses": number,
         "ConsumedLicenseSummaryList": [
            {
               "ConsumedLicenses": number,
               "ResourceType": "string"
            }
         ],
         "Description": "string",
         "DisassociateWhenNotFound": boolean,
         "LicenseConfigurationArn": "string",
         "LicenseConfigurationId": "string",
         "LicenseCount": number,
         "LicenseCountHardLimit": boolean,
         "LicenseCountingType": "string",
         "LicenseRules": [ "string" ],
```

```
         "ManagedResourceSummaryList": [
            {
               "AssociationCount": number,
               "ResourceType": "string"
            }
         ],
         "Name": "string",
         "OwnerAccountId": "string",
         "ProductInformationList": [
            {
               "ProductInformationFilterList": [
                  {
                     "ProductInformationFilterComparator": "string",
                     "ProductInformationFilterName": "string",
                     "ProductInformationFilterValue": [ "string" ]
                  }
               ],
               "ResourceType": "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

Information about the license configurations.

Type: Array of LicenseConfiguration 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

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 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

ListLicenseConversionTasks

Lists the license type conversion tasks for your account.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. Valid filters are `ResourceArns` and `Status`.

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

```
{
   "LicenseConversionTasks": [
      {
         "DestinationLicenseContext": {
            "UsageOperation": "string"
         },
         "EndTime": number,
         "LicenseConversionTaskId": "string",
         "LicenseConversionTime": number,
         "ResourceArn": "string",
         "SourceLicenseContext": {
            "UsageOperation": "string"
         },
         "StartTime": number,
         "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.

LicenseConversionTasks

Information about the license configuration tasks for your account.

Type: Array of LicenseConversionTask 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

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 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

ListLicenseManagerReportGenerators

Lists the report generators for your account.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `LicenseConfigurationArn`

Type: Array of Filter objects

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "ReportGenerators": [
      {
         "CreateTime": "string",
         "Description": "string",
         "LastReportGenerationTime": "string",
         "LastRunFailureReason": "string",
         "LastRunStatus": "string",
         "LicenseManagerReportGeneratorArn": "string",
         "ReportContext": {
            "licenseConfigurationArns": [ "string" ]
         },
         "ReportCreatorAccount": "string",
         "ReportFrequency": {
            "period": "string",
            "value": number
         },
         "ReportGeneratorName": "string",
         "ReportType": [ "string" ],
         "S3Location": {
            "bucket": "string",
            "keyPrefix": "string"
         },
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ]
```

```
}
```

Response Elements

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

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

NextToken

Token for the next set of results.

Type: String

ReportGenerators

A report generator that creates periodic reports about your license configurations.

Type: Array of ReportGenerator objects

Errors

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

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

ListLicenses

Lists the licenses for your account.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `Beneficiary`
- `ProductSKU`
- `Fingerprint`
- `Status`

Type: Array of Filter objects

Required: No

LicenseArns

Amazon Resource Names (ARNs) of the licenses.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Licenses": [
      {
         "Beneficiary": "string",
         "ConsumptionConfiguration": {
            "BorrowConfiguration": {
               "AllowEarlyCheckIn": boolean,
               "MaxTimeToLiveInMinutes": number
            },
            "ProvisionalConfiguration": {
               "MaxTimeToLiveInMinutes": number
            },
            "RenewType": "string"
         },
```

```
         "CreateTime": "string",
         "Entitlements": [
            {
               "AllowCheckIn": boolean,
               "MaxCount": number,
               "Name": "string",
               "Overage": boolean,
               "Unit": "string",
               "Value": "string"
            }
         ],
         "HomeRegion": "string",
         "Issuer": {
            "KeyFingerprint": "string",
            "Name": "string",
            "SignKey": "string"
         },
         "LicenseArn": "string",
         "LicenseMetadata": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "LicenseName": "string",
         "ProductName": "string",
         "ProductSKU": "string",
         "Status": "string",
         "Validity": {
            "Begin": "string",
            "End": "string"
         },
         "Version": "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.

Licenses

License details.

Type: Array of License 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

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

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

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.

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

ResourceArn

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

Type: String

Required: Yes

Response Syntax

```
{
   "LicenseSpecifications": [
      {
         "AmiAssociationScope": "string",
         "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

License configurations associated with a resource.

Type: Array of LicenseSpecification 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

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 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

ListLicenseVersions

Lists all versions of the specified license.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Licenses": [
      {
         "Beneficiary": "string",
         "ConsumptionConfiguration": {
            "BorrowConfiguration": {
               "AllowEarlyCheckIn": boolean,
               "MaxTimeToLiveInMinutes": number
            },
            "ProvisionalConfiguration": {
               "MaxTimeToLiveInMinutes": number
            },
            "RenewType": "string"
         },
         "CreateTime": "string",
         "Entitlements": [
            {
               "AllowCheckIn": boolean,
               "MaxCount": number,
               "Name": "string",
               "Overage": boolean,
               "Unit": "string",
               "Value": "string"
            }
         ],
         "HomeRegion": "string",
         "Issuer": {
            "KeyFingerprint": "string",
            "Name": "string",
            "SignKey": "string"
         },
         "LicenseArn": "string",
         "LicenseMetadata": [
```

```
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "LicenseName": "string",
         "ProductName": "string",
         "ProductSKU": "string",
         "Status": "string",
         "Validity": {
            "Begin": "string",
            "End": "string"
         },
         "Version": "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.

Licenses

License details.

Type: Array of License 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

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 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

ListReceivedGrants

Lists grants that are received. Received grants are grants created while specifying the recipient as this AWS account, your organization, or an organizational unit (OU) to which this member account belongs.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `ProductSKU`
- `LicenseIssuerName`
- `LicenseArn`
- `GrantStatus`
- `GranterAccountId`

Type: Array of Filter objects

Required: No

GrantArns

Amazon Resource Names (ARNs) of the grants.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Grants": [
      {
         "GrantArn": "string",
         "GrantedOperations": [ "string" ],
         "GranteePrincipalArn": "string",
         "GrantName": "string",
         "GrantStatus": "string",
         "HomeRegion": "string",
         "LicenseArn": "string",
```

```
            "Options": {
               "ActivationOverrideBehavior": "string"
            },
            "ParentArn": "string",
            "StatusReason": "string",
            "Version": "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.

Grants

Received grant details.

Type: Array of Grant 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

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

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

ListReceivedGrantsForOrganization

Lists the grants received for all accounts in the organization.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `ParentArn`
- `GranteePrincipalArn`

Type: Array of Filter objects

Required: No

LicenseArn

The Amazon Resource Name (ARN) of the received license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Grants": [
      {
         "GrantArn": "string",
         "GrantedOperations": [ "string" ],
         "GranteePrincipalArn": "string",
         "GrantName": "string",
         "GrantStatus": "string",
         "HomeRegion": "string",
         "LicenseArn": "string",
         "Options": {
            "ActivationOverrideBehavior": "string"
         },
         "ParentArn": "string",
         "StatusReason": "string",
         "Version": "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.

Grants

Lists the grants the organization has received.

Type: Array of Grant 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

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

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

ListReceivedLicenses

Lists received licenses.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- ProductSKU
- Status
- Fingerprint
- IssuerName
- Beneficiary

Type: Array of Filter objects

Required: No

LicenseArns

Amazon Resource Names (ARNs) of the licenses.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Licenses": [
      {
         "Beneficiary": "string",
         "ConsumptionConfiguration": {
            "BorrowConfiguration": {
               "AllowEarlyCheckIn": boolean,
               "MaxTimeToLiveInMinutes": number
            },
            "ProvisionalConfiguration": {
               "MaxTimeToLiveInMinutes": number
            },
            "RenewType": "string"
         },
         "CreateTime": "string",
         "Entitlements": [
```

```
            {
               "AllowCheckIn": boolean,
               "MaxCount": number,
               "Name": "string",
               "Overage": boolean,
               "Unit": "string",
               "Value": "string"
            }
         ],
         "HomeRegion": "string",
         "Issuer": {
            "KeyFingerprint": "string",
            "Name": "string",
            "SignKey": "string"
         },
         "LicenseArn": "string",
         "LicenseMetadata": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "LicenseName": "string",
         "ProductName": "string",
         "ProductSKU": "string",
         "ReceivedMetadata": {
            "AllowedOperations": [ "string" ],
            "ReceivedStatus": "string",
            "ReceivedStatusReason": "string"
         },
         "Status": "string",
         "Validity": {
            "Begin": "string",
            "End": "string"
         },
         "Version": "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.

Licenses

Received license details.

Type: Array of GrantedLicense 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

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

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

ListReceivedLicensesForOrganization

Lists the licenses received for all accounts in the organization.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters are supported:

- `Beneficiary`
- `ProductSKU`

Type: Array of Filter objects

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

Response Syntax

```
{
   "Licenses": [
      {
         "Beneficiary": "string",
         "ConsumptionConfiguration": {
            "BorrowConfiguration": {
               "AllowEarlyCheckIn": boolean,
               "MaxTimeToLiveInMinutes": number
            },
            "ProvisionalConfiguration": {
               "MaxTimeToLiveInMinutes": number
            },
            "RenewType": "string"
         },
         "CreateTime": "string",
         "Entitlements": [
            {
               "AllowCheckIn": boolean,
               "MaxCount": number,
               "Name": "string",
               "Overage": boolean,
               "Unit": "string",
               "Value": "string"
            }
         ],
         "HomeRegion": "string",
         "Issuer": {
            "KeyFingerprint": "string",
            "Name": "string",
            "SignKey": "string"
         },
```

```
         "LicenseArn": "string",
         "LicenseMetadata": [
            {
               "Name": "string",
               "Value": "string"
            }
         ],
         "LicenseName": "string",
         "ProductName": "string",
         "ProductSKU": "string",
         "ReceivedMetadata": {
            "AllowedOperations": [ "string" ],
            "ReceivedStatus": "string",
            "ReceivedStatusReason": "string"
         },
         "Status": "string",
         "Validity": {
            "Begin": "string",
            "End": "string"
         },
         "Version": "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.

Licenses

Lists the licenses the organization has received.

Type: Array of GrantedLicense 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

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

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

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.

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters and logical operators are supported:

- `account_id` - The ID of the AWS account that owns the resource. Logical operators are `EQUALS` | `NOT_EQUALS`.
- `application_name` - The name of the application. Logical operators are `EQUALS` | `BEGINS_WITH`.
- `license_included` - The type of license included. Logical operators are `EQUALS` | `NOT_EQUALS`. Possible values are `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.
- `platform` - The platform of the resource. Logical operators are `EQUALS` | `BEGINS_WITH`.
- `resource_id` - The ID of the resource. Logical operators are `EQUALS` | `NOT_EQUALS`.
- `tag:<key>` - The key/value combination of a tag assigned to the resource. Logical operators are `EQUALS` (single account) or `EQUALS` | `NOT_EQUALS` (cross account).

Type: Array of InventoryFilter 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

```
{
   "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

Token for the next set of results.

Type: String

ResourceInventoryList

Information about the resources.

Type: Array of ResourceInventory objects

Errors

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

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

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

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.

The request accepts the following data in JSON format.

ResourceArn

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

Information about the tags.

Type: Array of Tag objects

Errors

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

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 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

ListTokens

Lists your tokens.

Request Syntax

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

Request Parameters

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

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filter is supported:

- `LicenseArns`

Type: Array of Filter objects

Required: No

MaxResults

Maximum number of results to return in a single call.

Type: Integer

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

Required: No

NextToken

Token for the next set of results.

Type: String

Required: No

TokenIds

Token IDs.

Type: Array of strings

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Tokens": [
      {
         "ExpirationTime": "string",
         "LicenseArn": "string",
         "RoleArns": [ "string" ],
         "Status": "string",
         "TokenId": "string",
         "TokenProperties": [ "string" ],
         "TokenType": "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

Tokens

Received token details.

Type: Array of TokenData objects

Errors

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

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

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

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.

The request accepts the following data in JSON format.

Filters

Filters to scope the results. The following filters and logical operators are supported:

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

Type: Array of Filter objects

Required: No

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

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

```
{
   "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

Information about the license configurations.

Type: Array of LicenseConfigurationUsage 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

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 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

RejectGrant

Rejects the specified grant.

Request Syntax

```
{
   "GrantArn": "string"
}
```

Request Parameters

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

The request accepts the following data in JSON format.

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Response Syntax

```
{
   "GrantArn": "string",
   "Status": "string",
   "Version": "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.

GrantArn

Grant ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Status

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Version

Grant version.

Type: String

Errors

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

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

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

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.

The request accepts the following data in JSON format.

ResourceArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

Tags

One or more tags.

Type: Array of Tag 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.

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 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

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.

The request accepts the following data in JSON format.

ResourceArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

TagKeys

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.

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 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

UpdateLicenseConfiguration

Modifies the attributes of an existing license configuration.

Request Syntax

```
{
   "Description": "string",
   "DisassociateWhenNotFound": boolean,
   "LicenseConfigurationArn": "string",
   "LicenseConfigurationStatus": "string",
   "LicenseCount": number,
   "LicenseCountHardLimit": boolean,
   "LicenseRules": [ "string" ],
   "Name": "string",
   "ProductInformationList": [
      {
         "ProductInformationFilterList": [
            {
               "ProductInformationFilterComparator": "string",
               "ProductInformationFilterName": "string",
               "ProductInformationFilterValue": [ "string" ]
            }
         ],
         "ResourceType": "string"
      }
   ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

Description

New description of the license configuration.

Type: String

Required: No

DisassociateWhenNotFound

When true, disassociates a resource when software is uninstalled.

Type: Boolean

Required: No

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

LicenseConfigurationStatus

New status of the license configuration.

Type: String

Valid Values: `AVAILABLE | DISABLED`

Required: No

LicenseCount

New number of licenses managed by the license configuration.

Type: Long

Required: No

LicenseCountHardLimit

New hard limit of the number of available licenses.

Type: Boolean

Required: No

LicenseRules

New license rule. The only rule that you can add after you create a license configuration is licenseAffinityToHost.

Type: Array of strings

Required: No

Name

New name of the license configuration.

Type: String

Required: No

ProductInformationList

New product information.

Type: Array of ProductInformation objects

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.

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

ConflictException

There was a conflict processing the request. Try your request again.

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 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

UpdateLicenseManagerReportGenerator

Updates a report generator.

After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.

Request Syntax

```
{
   "ClientToken": "string",
   "Description": "string",
   "LicenseManagerReportGeneratorArn": "string",
   "ReportContext": {
      "licenseConfigurationArns": [ "string" ]
   },
   "ReportFrequency": {
      "period": "string",
      "value": number
   },
   "ReportGeneratorName": "string",
   "Type": [ "string" ]
}
```

Request Parameters

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

The request accepts the following data in JSON format.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Required: Yes

Description

Description of the report generator.

Type: String

Required: No

LicenseManagerReportGeneratorArn

Amazon Resource Name (ARN) of the report generator to update.

Type: String

Required: Yes

ReportContext

The report context.

Type: ReportContext object

Required: Yes

ReportFrequency

Frequency by which reports are generated.

Type: ReportFrequency object

Required: Yes

ReportGeneratorName

Name of the report generator.

Type: String

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

Required: Yes

Type

Type of reports to generate. The following report types are supported:

- License configuration report - Reports the number and details of consumed licenses for a license configuration.
- Resource report - Reports the tracked licenses and resource consumption for a license configuration.

Type: Array of strings

Valid Values: `LicenseConfigurationSummaryReport | LicenseConfigurationUsageReport`

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.

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

ResourceNotFoundException

The resource cannot be found.

HTTP Status Code: 400

ServerInternalException

The server experienced an internal error. Try again.

HTTP Status Code: 500

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

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

Request Parameters

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

The request accepts the following data in JSON format.

AddLicenseSpecifications

ARNs of the license configurations to add.

Type: Array of LicenseSpecification objects

Required: No

RemoveLicenseSpecifications

ARNs of the license configurations to remove.

Type: Array of LicenseSpecification objects

Required: No

ResourceArn

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.

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

ConflictException

There was a conflict processing the request. Try your request again.

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 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 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.

The request accepts the following data in JSON format.

EnableCrossAccountsDiscovery

Activates cross-account discovery.

Type: Boolean

Required: No

OrganizationConfiguration

Enables integration with AWS Organizations for cross-account discovery.

Type: OrganizationConfiguration object

Required: No

S3BucketArn

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

Type: String

Required: No

SnsTopicArn

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.

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 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 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:

- AutomatedDiscoveryInformation
- BorrowConfiguration
- ConsumedLicenseSummary
- ConsumptionConfiguration
- DatetimeRange
- Entitlement
- EntitlementData
- EntitlementUsage
- Filter
- Grant
- GrantedLicense
- InventoryFilter
- Issuer
- IssuerDetails
- License
- LicenseConfiguration
- LicenseConfigurationAssociation
- LicenseConfigurationUsage
- LicenseConversionContext
- LicenseConversionTask

- LicenseOperationFailure
- LicenseSpecification
- LicenseUsage
- ManagedResourceSummary
- Metadata
- Options
- OrganizationConfiguration
- ProductInformation
- ProductInformationFilter
- ProvisionalConfiguration
- ReceivedMetadata
- ReportContext
- ReportFrequency
- ReportGenerator
- ResourceInventory
- S3Location
- Tag
- TokenData

AutomatedDiscoveryInformation

Describes automated discovery.

Contents

LastRunTime

Time that automated discovery last ran.

Type: Timestamp

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

BorrowConfiguration

Details about a borrow configuration.

Contents

AllowEarlyCheckIn

Indicates whether early check-ins are allowed.

Type: Boolean

Required: Yes

MaxTimeToLiveInMinutes

Maximum time for the borrow configuration, in minutes.

Type: Integer

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

ConsumedLicenseSummary

Details about license consumption.

Contents

ConsumedLicenses

Number of licenses consumed by the resource.

Type: Long

Required: No

ResourceType

Resource type of the resource consuming a license.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | RDS | 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 Java V2
- AWS SDK for Ruby V3

ConsumptionConfiguration

Details about a consumption configuration.

Contents

BorrowConfiguration

Details about a borrow configuration.

Type: BorrowConfiguration object

Required: No

ProvisionalConfiguration

Details about a provisional configuration.

Type: ProvisionalConfiguration object

Required: No

RenewType

Renewal frequency.

Type: String

Valid Values: `None | Weekly | Monthly`

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

DatetimeRange

Describes a time range, in ISO8601-UTC format.

Contents

Begin

Start of the time range.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Required: Yes

End

End of the time range.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Required: No

See Also

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

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

- AWS SDK for Ruby V3

Entitlement

Describes a resource entitled for use with a license.

Contents

Name

Entitlement name.

Type: String

Required: Yes

Unit

Entitlement unit.

Type: String

Valid Values: `Count | None | Seconds | Microseconds | Milliseconds | Bytes | Kilobytes | Megabytes | Gigabytes | Terabytes | Bits | Kilobits | Megabits | Gigabits | Terabits | Percent | Bytes/Second | Kilobytes/Second | Megabytes/Second | Gigabytes/Second | Terabytes/Second | Bits/Second | Kilobits/Second | Megabits/Second | Gigabits/Second | Terabits/Second | Count/Second`

Required: Yes

AllowCheckIn

Indicates whether check-ins are allowed.

Type: Boolean

Required: No

MaxCount

Maximum entitlement count. Use if the unit is not None.

Type: Long

Required: No

Overage

Indicates whether overages are allowed.

Type: Boolean

Required: No

Value

Entitlement resource. Use only if the unit is None.

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

EntitlementData

Data associated with an entitlement resource.

Contents

Name

Entitlement data name.

Type: String

Required: Yes

Unit

Entitlement data unit.

Type: String

Valid Values: `Count | None | Seconds | Microseconds | Milliseconds | Bytes | Kilobytes | Megabytes | Gigabytes | Terabytes | Bits | Kilobits | Megabits | Gigabits | Terabits | Percent | Bytes/Second | Kilobytes/Second | Megabytes/Second | Gigabytes/Second | Terabytes/Second | Bits/Second | Kilobits/Second | Megabits/Second | Gigabits/Second | Terabits/Second | Count/Second`

Required: Yes

Value

Entitlement data 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 Java V2
- AWS SDK for Ruby V3

EntitlementUsage

Usage associated with an entitlement resource.

Contents

ConsumedValue

Resource usage consumed.

Type: String

Required: Yes

Name

Entitlement usage name.

Type: String

Required: Yes

Unit

Entitlement usage unit.

Type: String

Valid Values: `Count | None | Seconds | Microseconds | Milliseconds | Bytes | Kilobytes | Megabytes | Gigabytes | Terabytes | Bits | Kilobits | Megabits | Gigabits | Terabits | Percent | Bytes/Second | Kilobytes/Second | Megabytes/Second | Gigabytes/Second | Terabytes/Second | Bits/Second | Kilobits/Second | Megabits/Second | Gigabits/Second | Terabits/Second | Count/Second`

Required: Yes

MaxCount

Maximum entitlement usage count.

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

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

Name of the filter. Filter names are case-sensitive.

Type: String

Required: No

Values

The value of the filter, which is case-sensitive. You can only specify one value for the filter.

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 Java V2
- AWS SDK for Ruby V3

Grant

Describes a grant.

Contents

GrantArn

Amazon Resource Name (ARN) of the grant.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

GrantedOperations

Granted operations.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Valid Values: `CreateGrant | CheckoutLicense | CheckoutBorrowLicense | CheckInLicense | ExtendConsumptionLicense | ListPurchasedLicenses | CreateToken | BatchCreateLicenseUsageRecords`

Required: Yes

GranteePrincipalArn

The grantee principal ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

GrantName

Grant name.

Type: String

Required: Yes

GrantStatus

Grant status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | PENDING_DELETE | DISABLED | WORKFLOW_COMPLETED`

Required: Yes

HomeRegion

Home Region of the grant.

Type: String

Required: Yes

LicenseArn

License ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

ParentArn

Parent ARN.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: Yes

Version

Grant version.

Type: String

Required: Yes

Options

The options specified for the grant.

Type: Options object

Required: No

StatusReason

Grant status reason.

Type: String

Length Constraints: Maximum length of 400.

Pattern: `[\s\S]+`

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

GrantedLicense

Describes a license that is granted to a grantee.

Contents

Beneficiary

Granted license beneficiary.

Type: String

Required: No

ConsumptionConfiguration

Configuration for consumption of the license.

Type: ConsumptionConfiguration object

Required: No

CreateTime

Creation time of the granted license.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Required: No

Entitlements

License entitlements.

Type: Array of Entitlement objects

Required: No

HomeRegion

Home Region of the granted license.

Type: String

Required: No

Issuer

Granted license issuer.

Type: IssuerDetails object

Required: No

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

LicenseMetadata

Granted license metadata.

Type: Array of Metadata objects

Required: No

LicenseName

License name.

Type: String

Required: No

ProductName

Product name.

Type: String

Required: No

ProductSKU

Product SKU.

Type: String

Required: No

ReceivedMetadata

Granted license received metadata.

Type: ReceivedMetadata object

Required: No

Status

Granted license status.

Type: String

Valid Values: `AVAILABLE | PENDING_AVAILABLE | DEACTIVATED | SUSPENDED | EXPIRED | PENDING_DELETE | DELETED`

Required: No

Validity

Date and time range during which the granted license is valid, in ISO8601-UTC format.

Type: DatetimeRange object

Required: No

Version

Version of the granted license.

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

InventoryFilter

An inventory filter.

Contents

Condition

Condition of the filter.

Type: String

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

Required: Yes

Name

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 Java V2
- AWS SDK for Ruby V3

Issuer

Details about the issuer of a license.

Contents

Name

Issuer name.

Type: String

Required: Yes

SignKey

Asymmetric KMS key from AWS Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.

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

IssuerDetails

Details associated with the issuer of a license.

Contents

KeyFingerprint

Issuer key fingerprint.

Type: String

Required: No

Name

Issuer name.

Type: String

Required: No

SignKey

Asymmetric KMS key from AWS Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.

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

License

Software license that is managed in AWS License Manager.

Contents

Beneficiary

License beneficiary.

Type: String

Required: No

ConsumptionConfiguration

Configuration for consumption of the license.

Type: ConsumptionConfiguration object

Required: No

CreateTime

License creation time.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Required: No

Entitlements

License entitlements.

Type: Array of Entitlement objects

Required: No

HomeRegion

Home Region of the license.

Type: String

Required: No

Issuer

License issuer.

Type: IssuerDetails object

Required: No

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

LicenseMetadata

License metadata.

Type: Array of Metadata objects

Required: No

LicenseName

License name.

Type: String

Required: No

ProductName

Product name.

Type: String

Required: No

ProductSKU

Product SKU.

Type: String

Required: No

Status

License status.

Type: String

Valid Values: `AVAILABLE | PENDING_AVAILABLE | DEACTIVATED | SUSPENDED | EXPIRED | PENDING_DELETE | DELETED`

Required: No

Validity

Date and time range during which the license is valid, in ISO8601-UTC format.

Type: DatetimeRange object

Required: No

Version

License version.

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

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

AutomatedDiscoveryInformation

Automated discovery information.

Type: AutomatedDiscoveryInformation object

Required: No

ConsumedLicenses

Number of licenses consumed.

Type: Long

Required: No

ConsumedLicenseSummaryList

Summaries for licenses consumed by various resources.

Type: Array of ConsumedLicenseSummary objects

Required: No

Description

Description of the license configuration.

Type: String

Required: No

DisassociateWhenNotFound

When true, disassociates a resource when software is uninstalled.

Type: Boolean

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 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

ProductInformationList

Product information.

Type: Array of ProductInformation objects

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 Java V2
- AWS SDK for Ruby V3

LicenseConfigurationAssociation

Describes an association with a license configuration.

Contents

AmiAssociationScope

Scope of AMI associations. The possible value is `cross-account`.

Type: String

Required: No

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 | RDS | 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 Java V2
- AWS SDK for Ruby V3

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 | RDS | 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 Java V2
- AWS SDK for Ruby V3

LicenseConversionContext

Information about a license type conversion task.

Contents

UsageOperation

The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform

Type: String

Length Constraints: Maximum length of 50.

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

LicenseConversionTask

Information about a license type conversion task.

Contents

DestinationLicenseContext

Information about the license type this conversion task converted to.

Type: LicenseConversionContext object

Required: No

EndTime

The time the conversion task was completed.

Type: Timestamp

Required: No

LicenseConversionTaskId

The ID of the license type conversion task.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^lct-[a-zA-Z0-9]*`

Required: No

LicenseConversionTime

The time the usage operation value of the resource was changed.

Type: Timestamp

Required: No

ResourceArn

The Amazon Resource Name (ARN) of the resource associated with the license type conversion task.

Type: String

Required: No

SourceLicenseContext

Information about the license type this conversion task converted from.

Type: LicenseConversionContext object

Required: No

StartTime

The time the conversion task was started at.

Type: Timestamp

Required: No

Status

The status of the conversion task.

Type: String

Valid Values: `IN_PROGRESS | SUCCEEDED | FAILED`

Required: No

StatusMessage

The status message for the conversion task.

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

LicenseOperationFailure

Describes the failure of a license operation.

Contents

ErrorMessage

Error message.

Type: String

Required: No

FailureTime

Failure time.

Type: Timestamp

Required: No

MetadataList

Reserved.

Type: Array of Metadata objects

Required: No

OperationName

Name of the operation.

Type: String

Required: No

OperationRequestedBy

The requester is "License Manager Automated Discovery".

Type: String

Required: No

ResourceArn

Amazon Resource Name (ARN) of the resource.

Type: String

Required: No

ResourceOwnerId

ID of the AWS account that owns the resource.

Type: String

Required: No

ResourceType

Resource type.

Type: String

Valid Values: `EC2_INSTANCE | EC2_HOST | EC2_AMI | RDS | 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 Java V2
- AWS SDK for Ruby V3

LicenseSpecification

Details for associating a license configuration with a resource.

Contents

LicenseConfigurationArn

Amazon Resource Name (ARN) of the license configuration.

Type: String

Required: Yes

AmiAssociationScope

Scope of AMI associations. The possible value is `cross-account`.

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

LicenseUsage

Describes the entitlement usage associated with a license.

Contents

EntitlementUsages

License entitlement usages.

Type: Array of EntitlementUsage objects

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

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 | RDS | 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 Java V2
- AWS SDK for Ruby V3

Metadata

Describes key/value pairs.

Contents

Name

The key name.

Type: String

Required: No

Value

The 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 Java V2
- AWS SDK for Ruby V3

Options

The options you can specify when you create a new version of a grant, such as activation override behavior. For more information, see Granted licenses in License Manager in the *AWS License Manager User Guide*.

Contents

ActivationOverrideBehavior

An activation option for your grant that determines the behavior of activating a grant. Activation options can only be used with granted licenses sourced from the AWS Marketplace. Additionally, the operation must specify the value of `ACTIVE` for the `Status` parameter.

- As a license administrator, you can optionally specify an `ActivationOverrideBehavior` when activating a grant.
- As a grantor, you can optionally specify an `ActivationOverrideBehavior` when you activate a grant for a grantee account in your organization.
- As a grantee, if the grantor creating the distributed grant doesn't specify an `ActivationOverrideBehavior`, you can optionally specify one when you are activating the grant.

DISTRIBUTED_GRANTS_ONLY

Use this value to activate a grant without replacing any member account's active grants for the same product.

ALL_GRANTS_PERMITTED_BY_ISSUER

Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.

Type: String

Valid Values: `DISTRIBUTED_GRANTS_ONLY | ALL_GRANTS_PERMITTED_BY_ISSUER`

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

OrganizationConfiguration

Configuration information for AWS Organizations.

Contents

EnableIntegration

Enables AWS Organizations 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 Java V2
- AWS SDK for Ruby V3

ProductInformation

Describes product information for a license configuration.

Contents

ProductInformationFilterList

A Product information filter consists of a `ProductInformationFilterComparator` which is a logical operator, a `ProductInformationFilterName` which specifies the type of filter being declared, and a `ProductInformationFilterValue` that specifies the value to filter on.

Accepted values for `ProductInformationFilterName` are listed here along with descriptions and valid options for `ProductInformationFilterComparator`.

The following filters and are supported when the resource type is `SSM_MANAGED`:

- `Application Name` - The name of the application. Logical operator is `EQUALS`.
- `Application Publisher` - The publisher of the application. Logical operator is `EQUALS`.
- `Application Version` - The version of the application. Logical operator is `EQUALS`.
- `Platform Name` - The name of the platform. Logical operator is `EQUALS`.
- `Platform Type` - The platform type. Logical operator is `EQUALS`.
- `Tag:key` - The key of a tag attached to an AWS resource you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`. The key for your tag must be appended to `Tag:` following the example: `Tag:name-of-your-key`. `ProductInformationFilterValue` is optional if you are not using values for the key.
- `AccountId` - The 12-digit ID of an AWS account you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`.
- `License Included` - The type of license included. Logical operators are `EQUALS` and `NOT_EQUALS`. Possible values are: `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.

The following filters and logical operators are supported when the resource type is `RDS`:

- `Engine Edition` - The edition of the database engine. Logical operator is `EQUALS`. Possible values are: `oracle-ee` | `oracle-se` | `oracle-se1` | `oracle-se2` | `db2-se` | `db2-ae`.
- `License Pack` - The license pack. Logical operator is `EQUALS`. Possible values are: `data guard` | `diagnostic pack sqlt` | `tuning pack sqlt` | `ols` | `olap`.

Type: Array of ProductInformationFilter objects

Required: Yes

ResourceType

Resource type. The possible values are `SSM_MANAGED | RDS`.

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 Java V2
- AWS SDK for Ruby V3

ProductInformationFilter

Describes product information filters.

Contents

ProductInformationFilterComparator

Logical operator.

Type: String

Required: Yes

ProductInformationFilterName

Filter name.

Type: String

Required: Yes

ProductInformationFilterValue

Filter value.

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 Java V2
- AWS SDK for Ruby V3

ProvisionalConfiguration

Details about a provisional configuration.

Contents

MaxTimeToLiveInMinutes

Maximum time for the provisional configuration, in minutes.

Type: Integer

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

ReceivedMetadata

Metadata associated with received licenses and grants.

Contents

AllowedOperations

Allowed operations.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 8 items.

Valid Values: `CreateGrant | CheckoutLicense | CheckoutBorrowLicense | CheckInLicense | ExtendConsumptionLicense | ListPurchasedLicenses | CreateToken | BatchCreateLicenseUsageRecords`

Required: No

ReceivedStatus

Received status.

Type: String

Valid Values: `PENDING_WORKFLOW | PENDING_ACCEPT | REJECTED | ACTIVE | FAILED_WORKFLOW | DELETED | DISABLED | WORKFLOW_COMPLETED`

Required: No

ReceivedStatusReason

Received status reason.

Type: String

Length Constraints: Maximum length of 400.

Pattern: `[\s\S]+`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ReportContext

Details of the license configuration that this generator reports on.

Contents

licenseConfigurationArns

Amazon Resource Name (ARN) of the license configuration that this generator reports on.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

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

ReportFrequency

Details about how frequently reports are generated.

Contents

period

Time period between each report. The period can be daily, weekly, or monthly.

Type: String

Valid Values: `DAY | WEEK | MONTH`

Required: No

value

Number of times within the frequency period that a report is generated. The only supported value is 1.

Type: Integer

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

ReportGenerator

Describe the details of a report generator.

Contents

CreateTime

Time the report was created.

Type: String

Required: No

Description

Description of the report generator.

Type: String

Required: No

LastReportGenerationTime

Time the last report was generated at.

Type: String

Required: No

LastRunFailureReason

Failure message for the last report generation attempt.

Type: String

Required: No

LastRunStatus

Status of the last report generation attempt.

Type: String

Required: No

LicenseManagerReportGeneratorArn

Amazon Resource Name (ARN) of the report generator.

Type: String

Required: No

ReportContext

License configuration type for this generator.

Type: ReportContext object

Required: No

ReportCreatorAccount

The AWS account ID used to create the report generator.

Type: String

Required: No

ReportFrequency

Details about how frequently reports are generated.

Type: ReportFrequency object

Required: No

ReportGeneratorName

Name of the report generator.

Type: String

Required: No

ReportType

Type of reports that are generated.

Type: Array of strings

Valid Values: `LicenseConfigurationSummaryReport | LicenseConfigurationUsageReport`

Required: No

S3Location

Details of the S3 bucket that report generator reports are published to.

Type: S3Location object

Required: No

Tags

Tags associated with the report generator.

Type: Array of Tag objects

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

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 | RDS | 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 Java V2
- AWS SDK for Ruby V3

S3Location

Details of the S3 bucket that report generator reports are published to.

Contents

bucket

Name of the S3 bucket reports are published to.

Type: String

Required: No

keyPrefix

Prefix of the S3 bucket reports are published to.

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

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 Java V2
- AWS SDK for Ruby V3

TokenData

Describes a token.

Contents

ExpirationTime

Token expiration time, in ISO8601-UTC format.

Type: String

Length Constraints: Maximum length of 50.

Pattern: `^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$`

Required: No

LicenseArn

Amazon Resource Name (ARN) of the license.

Type: String

Required: No

RoleArns

Amazon Resource Names (ARN) of the roles included in the token.

Type: Array of strings

Length Constraints: Maximum length of 2048.

Pattern: `^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$`

Required: No

Status

Token status. The possible values are `AVAILABLE` and `DELETED`.

Type: String

Required: No

TokenId

Token ID.

Type: String

Required: No

TokenProperties

Data specified by the caller.

Type: Array of strings

Array Members: Maximum number of 3 items.

Required: No

TokenType

Type of token generated. The supported value is `REFRESH_TOKEN`.

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: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400