
Code Signing for Amazon FreeRTOS

API Reference

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Code Signing for Amazon FreeRTOS: API Reference

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Table of Contents

Welcome	1
Actions	2
AddProfilePermission	3
Request Syntax	3
URI Request Parameters	3
Request Body	3
Response Syntax	4
Response Elements	4
Errors	4
See Also	5
CancelSigningProfile	6
Request Syntax	6
URI Request Parameters	6
Request Body	6
Response Syntax	6
Response Elements	6
Errors	6
See Also	7
DescribeSigningJob	8
Request Syntax	8
URI Request Parameters	8
Request Body	8
Response Syntax	8
Response Elements	9
Errors	11
Examples	11
See Also	12
GetSigningPlatform	14
Request Syntax	14
URI Request Parameters	14
Request Body	14
Response Syntax	14
Response Elements	14
Errors	15
See Also	16
GetSigningProfile	17
Request Syntax	17
URI Request Parameters	17
Request Body	17
Response Syntax	17
Response Elements	18
Errors	19
See Also	20
ListProfilePermissions	21
Request Syntax	21
URI Request Parameters	21
Request Body	21
Response Syntax	21
Response Elements	21
Errors	22
See Also	22
ListSigningJobs	24
Request Syntax	24
URI Request Parameters	24

Request Body	25
Response Syntax	25
Response Elements	25
Errors	26
Examples	26
See Also	28
ListSigningPlatforms	29
Request Syntax	29
URI Request Parameters	29
Request Body	29
Response Syntax	29
Response Elements	30
Errors	30
See Also	31
ListSigningProfiles	32
Request Syntax	32
URI Request Parameters	32
Request Body	32
Response Syntax	32
Response Elements	33
Errors	33
See Also	34
ListTagsForResource	35
Request Syntax	35
URI Request Parameters	35
Request Body	35
Response Syntax	35
Response Elements	35
Errors	36
See Also	36
PutSigningProfile	37
Request Syntax	37
URI Request Parameters	37
Request Body	37
Response Syntax	38
Response Elements	39
Errors	39
See Also	40
RemoveProfilePermission	41
Request Syntax	41
URI Request Parameters	41
Request Body	41
Response Syntax	41
Response Elements	41
Errors	42
See Also	42
RevokeSignature	43
Request Syntax	43
URI Request Parameters	43
Request Body	43
Response Syntax	43
Response Elements	44
Errors	44
See Also	44
RevokeSigningProfile	45
Request Syntax	45
URI Request Parameters	45

Request Body	45
Response Syntax	46
Response Elements	46
Errors	46
See Also	46
StartSigningJob	48
Request Syntax	48
URI Request Parameters	48
Request Body	48
Response Syntax	49
Response Elements	49
Errors	50
Examples	50
See Also	51
TagResource	53
Request Syntax	53
URI Request Parameters	53
Request Body	53
Response Syntax	53
Response Elements	53
Errors	54
See Also	54
UntagResource	55
Request Syntax	55
URI Request Parameters	55
Request Body	55
Response Syntax	55
Response Elements	55
Errors	55
See Also	56
Data Types	57
Destination	58
Contents	58
See Also	58
EncryptionAlgorithmOptions	59
Contents	59
See Also	59
HashAlgorithmOptions	60
Contents	60
See Also	60
Permission	61
Contents	61
See Also	61
S3Destination	62
Contents	62
See Also	62
S3SignedObject	63
Contents	63
See Also	63
S3Source	64
Contents	64
See Also	64
SignatureValidityPeriod	65
Contents	65
See Also	65
SignedObject	66
Contents	66

See Also	66
SigningConfiguration	67
Contents	67
See Also	67
SigningConfigurationOverrides	68
Contents	68
See Also	68
SigningImageFormat	69
Contents	69
See Also	69
SigningJob	70
Contents	70
See Also	72
SigningJobRevocationRecord	73
Contents	73
See Also	73
SigningMaterial	74
Contents	74
See Also	74
SigningPlatform	75
Contents	75
See Also	76
SigningPlatformOverrides	77
Contents	77
See Also	77
SigningProfile	78
Contents	78
See Also	79
SigningProfileRevocationRecord	80
Contents	80
See Also	80
Source	81
Contents	81
See Also	81
Common Parameters	82
Common Errors	84

Welcome

AWS Signer is a fully managed code signing service to help you ensure the trust and integrity of your code.

AWS Signer supports the following applications:

With code signing for AWS Lambda, you can sign [AWS Lambda](#) deployment packages. Integrated support is provided for [Amazon S3](#), [Amazon CloudWatch](#), and [AWS CloudTrail](#). In order to sign code, you create a signing profile and then use Signer to sign Lambda zip files in S3.

With *code signing for IoT*, you can sign code for any IoT device that is supported by AWS. IoT code signing is available for [Amazon FreeRTOS](#) and [AWS IoT Device Management](#), and is integrated with [AWS Certificate Manager \(ACM\)](#). In order to sign code, you import a third-party code signing certificate using ACM, and use that to sign updates in Amazon FreeRTOS and AWS IoT Device Management.

For more information about AWS Signer, see the [AWS Signer Developer Guide](#).

This document was last published on June 6, 2022.

Actions

The following actions are supported:

- [AddProfilePermission](#) (p. 3)
- [CancelSigningProfile](#) (p. 6)
- [DescribeSigningJob](#) (p. 8)
- [GetSigningPlatform](#) (p. 14)
- [GetSigningProfile](#) (p. 17)
- [ListProfilePermissions](#) (p. 21)
- [ListSigningJobs](#) (p. 24)
- [ListSigningPlatforms](#) (p. 29)
- [ListSigningProfiles](#) (p. 32)
- [ListTagsForResource](#) (p. 35)
- [PutSigningProfile](#) (p. 37)
- [RemoveProfilePermission](#) (p. 41)
- [RevokeSignature](#) (p. 43)
- [RevokeSigningProfile](#) (p. 45)
- [StartSigningJob](#) (p. 48)
- [TagResource](#) (p. 53)
- [UntagResource](#) (p. 55)

AddProfilePermission

Adds cross-account permissions to a signing profile.

Request Syntax

```
POST /signing-profiles/profileName/permissions HTTP/1.1
Content-type: application/json

{
  "action": "string",
  "principal": "string",
  "profileVersion": "string",
  "revisionId": "string",
  "statementId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

profileName (p. 3)

The human-readable name of the signing profile.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

action (p. 3)

The AWS Signer action permitted as part of cross-account permissions.

Type: String

Required: Yes

principal (p. 3)

The AWS principal receiving cross-account permissions. This may be an IAM role or another AWS account ID.

Type: String

Required: Yes

profileVersion (p. 3)

The version of the signing profile.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

Required: No

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

A unique identifier for the current profile revision.

Type: String

Required: No

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

A unique identifier for the cross-account permission statement.

Type: String

Required: Yes

Response Syntax

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

{
  "revisionId": "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.

[revisionId \(p. 4\)](#)

A unique identifier for the current profile revision.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The resource encountered a conflicting state.

HTTP Status Code: 409

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

ServiceLimitExceededException

The client is making a request that exceeds service limits.

HTTP Status Code: 402

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

CancelSigningProfile

Changes the state of an `ACTIVE` signing profile to `CANCELED`. A canceled profile is still viewable with the `ListSigningProfiles` operation, but it cannot perform new signing jobs, and is deleted two years after cancelation.

Request Syntax

```
DELETE /signing-profiles/profileName HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`profileName` (p. 6)

The name of the signing profile to be canceled.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

DescribeSigningJob

Returns information about a specific code signing job. You specify the job by using the `jobId` value that is returned by the [StartSigningJob](#) (p. 48) operation.

Request Syntax

```
GET /signing-jobs/jobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`jobId` (p. 8)

The ID of the signing job on input.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "completedAt": number,
  "createdAt": number,
  "jobId": "string",
  "jobInvoker": "string",
  "jobOwner": "string",
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    },
    "signingImageFormat": "string"
  },
  "platformDisplayName": "string",
  "platformId": "string",
  "profileName": "string",
  "profileVersion": "string",
  "requestedBy": "string",
  "revocationRecord": {
    "reason": "string",
    "revokedAt": number,
    "revokedBy": "string"
  },
  "signatureExpiresAt": number,
  "signedObject": {
    "s3": {
      "bucketName": "string",
      "key": "string"
    }
  }
}
```

```
    }  
  },  
  "signingMaterial": {  
    "certificateArn": "string"  
  },  
  "signingParameters": {  
    "string" : "string"  
  },  
  "source": {  
    "s3": {  
      "bucketName": "string",  
      "key": "string",  
      "version": "string"  
    }  
  },  
  "status": "string",  
  "statusReason": "string"  
}
```

Response Elements

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

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

completedAt (p. 8)

Date and time that the signing job was completed.

Type: Timestamp

createdAt (p. 8)

Date and time that the signing job was created.

Type: Timestamp

jobId (p. 8)

The ID of the signing job on output.

Type: String

jobInvoker (p. 8)

The IAM entity that initiated the signing job.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

jobOwner (p. 8)

The AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

overrides (p. 8)

A list of any overrides that were applied to the signing operation.

Type: [SigningPlatformOverrides \(p. 77\)](#) object

[platformDisplayName \(p. 8\)](#)

A human-readable name for the signing platform associated with the signing job.

Type: String

[platformId \(p. 8\)](#)

The microcontroller platform to which your signed code image will be distributed.

Type: String

[profileName \(p. 8\)](#)

The name of the profile that initiated the signing operation.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

[profileVersion \(p. 8\)](#)

The version of the signing profile used to initiate the signing job.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

[requestedBy \(p. 8\)](#)

The IAM principal that requested the signing job.

Type: String

[revocationRecord \(p. 8\)](#)

A revocation record if the signature generated by the signing job has been revoked. Contains a timestamp and the ID of the IAM entity that revoked the signature.

Type: [SigningJobRevocationRecord \(p. 73\)](#) object

[signatureExpiresAt \(p. 8\)](#)

The expiration timestamp for the signature generated by the signing job.

Type: Timestamp

[signedObject \(p. 8\)](#)

Name of the S3 bucket where the signed code image is saved by code signing.

Type: [SignedObject \(p. 66\)](#) object

[signingMaterial \(p. 8\)](#)

The Amazon Resource Name (ARN) of your code signing certificate.

Type: [SigningMaterial \(p. 74\)](#) object

[signingParameters \(p. 8\)](#)

Map of user-assigned key-value pairs used during signing. These values contain any information that you specified for use in your signing job.

Type: String to string map

[source \(p. 8\)](#)

The object that contains the name of your S3 bucket or your raw code.

Type: [Source \(p. 81\)](#) object

[status \(p. 8\)](#)

Status of the signing job.

Type: String

Valid Values: `InProgress` | `Failed` | `Succeeded`

[statusReason \(p. 8\)](#)

String value that contains the status reason.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

Examples

Describe a signing job

This example illustrates one usage of `DescribeSigningJob`.

Sample Request

```
GET /Prod/signing-jobs/9052caa6-1d8d-43b5-9ead-0cb8621c8c74 HTTP/1.1
Host: signer.us-east-1.amazonaws.com
```

```
Accept-Encoding: identity
Authorization: AWS4-HMAC-SHA256 Credential=access_key/us-east-1/signer/aws4_request, SignedHeaders=host;x-amz-date,
  Signature=93e24ab743082913abfb466a13b2f65a7f3eec9893aa2dcdbc91d160b3d7ff67
X-Amz-Date: 20171115T165923Z
User-Agent: aws-cli/1.11.132 Python/2.7.9 Windows/8 botocore/1.5.95
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 631
Date: Wed, 15 Nov 2017 16:59:31 GMT
x-amzn-RequestId: 5946a79a-ca26-11e7-ae27-cda958f39b26
X-Amzn-Trace-Id: sampled=0;root=1-5a0c7273-fd33420b90425c1dc4b94bcc
X-Cache: Miss from cloudfront
Via: 1.1 ce270f4a88edde7438864bc44406e83a.cloudfront.net (CloudFront)
X-Amz-Cf-Id: hAkstXf07ycoa3HgI2MebhYgvyZ39K7zn2Z9mpqxsRlPjPphgaHZUQ==
Connection: Keep-alive

{
  "jobId": "9052caa6-1d8d-43b5-9ead-0cb8621c8c74",
  "source": {
    "s3": {
      "bucketName": "signer-test-source",
      "key": "my-example-code.java",
      "version": "W.OIrIFmjIFeuNXOaBJzPee66.wRg4GR"
    }
  },
  "signingMaterial": {
    "certificateArn": "arn:aws:acm:region:123456789012:certificate/9ec626ca-0bbb-4be5-83a2-ee563f8386ca"
  },
  "platform": "TexasInstruments",
  "signingParameters": null,
  "createdAt": 1510695622,
  "completedAt": 1510695623,
  "requestedBy": "arn:aws:iam::123456789012:root",
  "status": "Succeeded",
  "statusReason": "Signing success",
  "signedObject": {
    "s3": {
      "bucketName": "signer-test-dest",
      "key": "9052caa6-1d8d-43b5-9ead-0cb8621c8c74"
    }
  }
}
```

See Also

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

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

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

GetSigningPlatform

Returns information on a specific signing platform.

Request Syntax

```
GET /signing-platforms/platformId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

platformId (p. 14)

The ID of the target signing platform.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "category": "string",
  "displayName": "string",
  "maxSizeInMB": number,
  "partner": "string",
  "platformId": "string",
  "revocationSupported": boolean,
  "signingConfiguration": {
    "encryptionAlgorithmOptions": {
      "allowedValues": [ "string" ],
      "defaultValue": "string"
    },
    "hashAlgorithmOptions": {
      "allowedValues": [ "string" ],
      "defaultValue": "string"
    }
  },
  "signingImageFormat": {
    "defaultFormat": "string",
    "supportedFormats": [ "string" ]
  },
  "target": "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.

category (p. 14)

The category type of the target signing platform.

Type: String

Valid Values: `AWSIoT`

displayName (p. 14)

The display name of the target signing platform.

Type: String

maxSizeInMB (p. 14)

The maximum size (in MB) of the payload that can be signed by the target platform.

Type: Integer

partner (p. 14)

A list of partner entities that use the target signing platform.

Type: String

platformId (p. 14)

The ID of the target signing platform.

Type: String

revocationSupported (p. 14)

A flag indicating whether signatures generated for the signing platform can be revoked.

Type: Boolean

signingConfiguration (p. 14)

A list of configurations applied to the target platform at signing.

Type: [SigningConfiguration \(p. 67\)](#) object

signingImageFormat (p. 14)

The format of the target platform's signing image.

Type: [SigningImageFormat \(p. 69\)](#) object

target (p. 14)

The validation template that is used by the target signing platform.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

GetSigningProfile

Returns information on a specific signing profile.

Request Syntax

```
GET /signing-profiles/profileName?profileOwner=profileOwner HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

profileName (p. 17)

The name of the target signing profile.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

profileOwner (p. 17)

The AWS account ID of the profile owner.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "arn": "string",
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    },
    "signingImageFormat": "string"
  },
  "platformDisplayName": "string",
  "platformId": "string",
  "profileName": "string",
  "profileVersion": "string",
  "profileVersionArn": "string",
  "revocationRecord": {
    "revocationEffectiveFrom": number,
    "revokedAt": number,
    "revokedBy": "string"
  }
}
```

```
    },  
    "signatureValidityPeriod": {  
      "type": "string",  
      "value": number  
    },  
    "signingMaterial": {  
      "certificateArn": "string"  
    },  
    "signingParameters": {  
      "string" : "string"  
    },  
    "status": "string",  
    "statusReason": "string",  
    "tags": {  
      "string" : "string"  
    }  
  }  
}
```

Response Elements

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

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

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

The Amazon Resource Name (ARN) for the signing profile.

Type: String

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

A list of overrides applied by the target signing profile for signing operations.

Type: [SigningPlatformOverrides \(p. 77\)](#) object

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

A human-readable name for the signing platform associated with the signing profile.

Type: String

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

The ID of the platform that is used by the target signing profile.

Type: String

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

The name of the target signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

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

The current version of the signing profile.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

profileVersionArn (p. 17)

The signing profile ARN, including the profile version.

Type: String

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

revocationRecord (p. 17)

Revocation information for a signing profile.

Type: [SigningProfileRevocationRecord \(p. 80\)](#) object

signatureValidityPeriod (p. 17)

The validity period for a signing job.

Type: [SignatureValidityPeriod \(p. 65\)](#) object

signingMaterial (p. 17)

The ARN of the certificate that the target profile uses for signing operations.

Type: [SigningMaterial \(p. 74\)](#) object

signingParameters (p. 17)

A map of key-value pairs for signing operations that is attached to the target signing profile.

Type: String to string map

status (p. 17)

The status of the target signing profile.

Type: String

Valid Values: `Active` | `Canceled` | `Revoked`

statusReason (p. 17)

Reason for the status of the target signing profile.

Type: String

tags (p. 17)

A list of tags associated with the signing profile.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

ListProfilePermissions

Lists the cross-account permissions associated with a signing profile.

Request Syntax

```
GET /signing-profiles/profileName/permissions?nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

nextToken (p. 21)

String for specifying the next set of paginated results.

profileName (p. 21)

Name of the signing profile containing the cross-account permissions.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "permissions": [
    {
      "action": "string",
      "principal": "string",
      "profileVersion": "string",
      "statementId": "string"
    }
  ],
  "policySizeBytes": number,
  "revisionId": "string"
}
```

Response Elements

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

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

nextToken (p. 21)

String for specifying the next set of paginated results.

Type: String

permissions (p. 21)

List of permissions associated with the Signing Profile.

Type: Array of [Permission \(p. 61\)](#) objects

policySizeBytes (p. 21)

Total size of the policy associated with the Signing Profile in bytes.

Type: Integer

revisionId (p. 21)

The identifier for the current revision of profile permissions.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

ListSigningJobs

Lists all your signing jobs. You can use the `maxResults` parameter to limit the number of signing jobs that are returned in the response. If additional jobs remain to be listed, code signing returns a `nextToken` value. Use this value in subsequent calls to `ListSigningJobs` to fetch the remaining values. You can continue calling `ListSigningJobs` with your `maxResults` parameter and with new values that code signing returns in the `nextToken` parameter until all of your signing jobs have been returned.

Request Syntax

```
GET /signing-jobs?  
isRevoked=isRevoked&jobInvoker=jobInvoker&maxResults=maxResults&nextToken=nextToken&platformId=platformId  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

isRevoked (p. 24)

Filters results to return only signing jobs with revoked signatures.

jobInvoker (p. 24)

Filters results to return only signing jobs initiated by a specified IAM entity.

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

maxResults (p. 24)

Specifies the maximum number of items to return in the response. Use this parameter when paginating results. If additional items exist beyond the number you specify, the `nextToken` element is set in the response. Use the `nextToken` value in a subsequent request to retrieve additional items.

Valid Range: Minimum value of 1. Maximum value of 25.

nextToken (p. 24)

String for specifying the next set of paginated results to return. After you receive a response with truncated results, use this parameter in a subsequent request. Set it to the value of `nextToken` from the response that you just received.

platformId (p. 24)

The ID of microcontroller platform that you specified for the distribution of your code image.

requestedBy (p. 24)

The IAM principal that requested the signing job.

signatureExpiresAfter (p. 24)

Filters results to return only signing jobs with signatures expiring after a specified timestamp.

signatureExpiresBefore (p. 24)

Filters results to return only signing jobs with signatures expiring before a specified timestamp.

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

A status value with which to filter your results.

Valid Values: InProgress | Failed | Succeeded

Request Body

The request does not have a request body.

Response Syntax

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

{
  "jobs": [
    {
      "createdAt": number,
      "isRevoked": boolean,
      "jobId": "string",
      "jobInvoker": "string",
      "jobOwner": "string",
      "platformDisplayName": "string",
      "platformId": "string",
      "profileName": "string",
      "profileVersion": "string",
      "signatureExpiresAt": number,
      "signedObject": {
        "s3": {
          "bucketName": "string",
          "key": "string"
        }
      },
      "signingMaterial": {
        "certificateArn": "string"
      },
      "source": {
        "s3": {
          "bucketName": "string",
          "key": "string",
          "version": "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.

[jobs \(p. 25\)](#)

A list of your signing jobs.

Type: Array of [SigningJob](#) (p. 70) objects
[nextToken](#) (p. 25)

String for specifying the next set of paginated results.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 84).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

Examples

Example

This example illustrates one usage of `ListSigningJobs`.

Sample Request

```
GET /Prod/signing-jobs?status=InProgress&platform=TexasInstruments&maxResults=10 HTTP/1.1
Host: qvvi640b53.execute-api.us-east-1.amazonaws.com
Accept-Encoding: identity
Authorization: AWS4-HMAC-SHA256 Credential=access_key/20171115/
us-east-1/signer/aws4_request, SignedHeaders=host;x-amz-date,
Signature=59e5f7ac6c2193c1eb163b0a8f3b2b3ec47fc5687631aa4d42bdcfacc14d626a
X-Amz-Date: 20171115T173358Z
User-Agent: aws-cli/1.11.132 Python/2.7.9 Windows/8 botocore/1.5.95
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
```



```
Content-Length: 1896
Date: Wed, 15 Nov 2017 17:34:06 GMT
x-amzn-RequestId: 2e5eaaf7-ca2b-11e7-bfa0-e7cd77b24597
X-Amzn-Trace-Id: sampled=0;root=1-5a0c7a8e-66a88aa1083a4631ce1a9e45
X-Cache: Miss from cloudfront
Via: 1.1 9ba06853e586727720bf0a1bf763bad7.cloudfront.net (CloudFront)
X-Amz-Cf-Id: BtaBXTGIVWfSRurtK7aMOcg39oiA1Uz3UCoPPQm5LWu5bt72gV_cA==
Connection: Keep-alive

{
  "jobs": [{
    "jobId": "ade0f15c-5857-4fcd-b731-43530bbd2d7d",
    "source": {
      "s3": {
        "bucketName": "signer-test-source",
        "key": "my-example-code.java",
        "version": null
      }
    },
    "signedObject": {
      "s3": {
        "bucketName": "signer-test-dest",
        "key": "signed_images/ade0f15c-5857-4fcd-b731-43530bbd2d7d"
      }
    },
    "signingMaterial": {
      "certificateArn":
"arn:aws:acm:region:123456789012:certificate/7a0ed941-64dd-419b-8b59-24378756fee3"
    },
    "createdAt": 1508345543,
    "status": "Succeeded"
  },
  {
    "jobId": "9052caa6-1d8d-43b5-9ead-0cb8621c8c74",
    "source": {
      "s3": {
        "bucketName": "signer-test-source",
        "key": "my-example-code.java",
        "version": "W.OIrIFmjIFeuNXOaBJzPee66.wRg4GR"
      }
    },
    "signedObject": {
      "s3": {
        "bucketName": "signer-test-dest",
        "key": "9052caa6-1d8d-43b5-9ead-0cb8621c8c74"
      }
    },
    "signingMaterial": {
      "certificateArn": "arn:aws:acm:region:123456789012:certificate/9ec626ca-0bbb-4be5-83a2-ee563f8386ca"
    },
    "createdAt": 1510695622,
    "status": "Succeeded"
  },
  {
    "jobId": "cc9067a9-9258-489a-abae-1c3408191071",
    "source": {
      "s3": {
        "bucketName": "signer-test-source",
        "key": "my-example-code.java",
        "version": "W.OIrIFmjIFeuNXOaBJzPee66.wRg4GR"
      }
    },
    "signedObject": {
      "s3": {
        "bucketName": "signer-test-dest",

```

```
    "key": "cc9067a9-9258-489a-abae-1c3408191071"
  },
  "signingMaterial": {
    "certificateArn": "arn:aws:acm:region:123456789012:certificate/9ec626ca-0bbb-4be5-83a2-ee563f8386ca"
  },
  "createdAt": 1510698374,
  "status": "Succeeded"
},
{
  "jobId": "ba506303-848d-4fb7-a07f-e8049eb5faa6",
  "source": {
    "s3": {
      "bucketName": "signer-test-source",
      "key": "my-example-code.java",
      "version": "W.OIrIFmjIFeuNXOaBJzPee66.wRg4GR"
    }
  },
  "signedObject": {
    "s3": {
      "bucketName": "signer-test-dest",
      "key": "ba506303-848d-4fb7-a07f-e8049eb5faa6"
    }
  },
  "signingMaterial": {
    "certificateArn": "arn:aws:acm:region:123456789012:certificate/9ec626ca-0bbb-4be5-83a2-ee563f8386ca"
  },
  "createdAt": 1510760837,
  "status": "Succeeded"
}],
"nextToken": null
}
```

See Also

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

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

ListSigningPlatforms

Lists all signing platforms available in code signing that match the request parameters. If additional jobs remain to be listed, code signing returns a `nextToken` value. Use this value in subsequent calls to `ListSigningJobs` to fetch the remaining values. You can continue calling `ListSigningJobs` with your `maxResults` parameter and with new values that code signing returns in the `nextToken` parameter until all of your signing jobs have been returned.

Request Syntax

```
GET /signing-platforms?
category=category&maxResults=maxResults&nextToken=nextToken&partner=partner&target=target
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`category` (p. 29)

The category type of a signing platform.

`maxResults` (p. 29)

The maximum number of results to be returned by this operation.

Valid Range: Minimum value of 1. Maximum value of 25.

`nextToken` (p. 29)

Value for specifying the next set of paginated results to return. After you receive a response with truncated results, use this parameter in a subsequent request. Set it to the value of `nextToken` from the response that you just received.

`partner` (p. 29)

Any partner entities connected to a signing platform.

`target` (p. 29)

The validation template that is used by the target signing platform.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "platforms": [
    {
      "category": "string",
      "displayName": "string",
```

```
    "maxSizeInMB": number,
    "partner": "string",
    "platformId": "string",
    "revocationSupported": boolean,
    "signingConfiguration": {
      "encryptionAlgorithmOptions": {
        "allowedValues": [ "string" ],
        "defaultValue": "string"
      },
      "hashAlgorithmOptions": {
        "allowedValues": [ "string" ],
        "defaultValue": "string"
      }
    },
    "signingImageFormat": {
      "defaultFormat": "string",
      "supportedFormats": [ "string" ]
    },
    "target": "string"
  }
]
```

Response Elements

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

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

nextToken (p. 29)

Value for specifying the next set of paginated results to return.

Type: String

platforms (p. 29)

A list of all platforms that match the request parameters.

Type: Array of [SigningPlatform](#) (p. 75) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 84).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

You signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

ListSigningProfiles

Lists all available signing profiles in your AWS account. Returns only profiles with an `ACTIVE` status unless the `includeCanceled` request field is set to `true`. If additional jobs remain to be listed, code signing returns a `nextToken` value. Use this value in subsequent calls to `ListSigningJobs` to fetch the remaining values. You can continue calling `ListSigningJobs` with your `maxResults` parameter and with new values that code signing returns in the `nextToken` parameter until all of your signing jobs have been returned.

Request Syntax

```
GET /signing-profiles?
includeCanceled=includeCanceled&maxResults=maxResults&nextToken=nextToken&platformId=platformId&status=
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

`includeCanceled` (p. 32)

Designates whether to include profiles with the status of `CANCELED`.

`maxResults` (p. 32)

The maximum number of profiles to be returned.

Valid Range: Minimum value of 1. Maximum value of 25.

`nextToken` (p. 32)

Value for specifying the next set of paginated results to return. After you receive a response with truncated results, use this parameter in a subsequent request. Set it to the value of `nextToken` from the response that you just received.

`platformId` (p. 32)

Filters results to return only signing jobs initiated for a specified signing platform.

`statuses` (p. 32)

Filters results to return only signing jobs with statuses in the specified list.

Valid Values: `Active` | `Canceled` | `Revoked`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "profiles": [
    {
```

```
    "arn": "string",
    "platformDisplayName": "string",
    "platformId": "string",
    "profileName": "string",
    "profileVersion": "string",
    "profileVersionArn": "string",
    "signatureValidityPeriod": {
      "type": "string",
      "value": number
    },
    "signingMaterial": {
      "certificateArn": "string"
    },
    "signingParameters": {
      "string": "string"
    },
    "status": "string",
    "tags": {
      "string": "string"
    }
  }
]
```

Response Elements

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

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

nextToken (p. 32)

Value for specifying the next set of paginated results to return.

Type: String

profiles (p. 32)

A list of profiles that are available in the AWS account. This includes profiles with the status of CANCELED if the includeCanceled parameter is set to true.

Type: Array of [SigningProfile](#) (p. 78) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 84).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

ListTagsForResource

Returns a list of the tags associated with a signing profile resource.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 35)

The Amazon Resource Name (ARN) for the signing profile.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

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

Response Elements

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

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

tags (p. 35)

A list of tags associated with the signing profile.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

BadRequestException

The request contains invalid parameters for the ARN or tags. This exception also occurs when you call a tagging API on a cancelled signing profile.

HTTP Status Code: 400

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

NotFoundException

The signing profile was not found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

PutSigningProfile

Creates a signing profile. A signing profile is a code signing template that can be used to carry out a pre-defined signing job.

Request Syntax

```
PUT /signing-profiles/profileName HTTP/1.1
Content-type: application/json
```

```
{
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    },
    "signingImageFormat": "string"
  },
  "platformId": "string",
  "signatureValidityPeriod": {
    "type": "string",
    "value": number
  },
  "signingMaterial": {
    "certificateArn": "string"
  },
  "signingParameters": {
    "string" : "string"
  },
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

profileName (p. 37)

The name of the signing profile to be created.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

overrides (p. 37)

A subfield of `platform`. This specifies any different configuration options that you want to apply to the chosen platform (such as a different `hash-algorithm` or `signing-algorithm`).

Type: [SigningPlatformOverrides](#) (p. 77) object

Required: No

platformId (p. 37)

The ID of the signing platform to be created.

Type: String

Required: Yes

signatureValidityPeriod (p. 37)

The default validity period override for any signature generated using this signing profile. If unspecified, the default is 135 months.

Type: [SignatureValidityPeriod \(p. 65\)](#) object

Required: No

signingMaterial (p. 37)

The AWS Certificate Manager certificate that will be used to sign code with the new signing profile.

Type: [SigningMaterial \(p. 74\)](#) object

Required: No

signingParameters (p. 37)

Map of key-value pairs for signing. These can include any information that you want to use during signing.

Type: String to string map

Required: No

tags (p. 37)

Tags to be associated with the signing profile that is being created.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

Response Syntax

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

{
  "arn": "string",
  "profileVersion": "string",
  "profileVersionArn": "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.

arn (p. 38)

The Amazon Resource Name (ARN) of the signing profile created.

Type: String

profileVersion (p. 38)

The version of the signing profile being created.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

profileVersionArn (p. 38)

The signing profile ARN, including the profile version.

Type: String

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

RemoveProfilePermission

Removes cross-account permissions from a signing profile.

Request Syntax

```
DELETE /signing-profiles/profileName/permissions/statementId?revisionId=revisionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

profileName (p. 41)

A human-readable name for the signing profile with permissions to be removed.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

revisionId (p. 41)

An identifier for the current revision of the signing profile permissions.

Required: Yes

statementId (p. 41)

A unique identifier for the cross-account permissions statement.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "revisionId": "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.

revisionId (p. 41)

An identifier for the current revision of the profile permissions.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

The resource encountered a conflicting state.

HTTP Status Code: 409

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

RevokeSignature

Changes the state of a signing job to REVOKED. This indicates that the signature is no longer valid.

Request Syntax

```
PUT /signing-jobs/jobId/revoke HTTP/1.1
Content-type: application/json

{
  "jobOwner": "string",
  "reason": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

jobId (p. 43)

ID of the signing job to be revoked.

Required: Yes

Request Body

The request accepts the following data in JSON format.

jobOwner (p. 43)

AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: No

reason (p. 43)

The reason for revoking the signing job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

RevokeSigningProfile

Changes the state of a signing profile to REVOKED. This indicates that signatures generated using the signing profile after an effective start date are no longer valid.

Request Syntax

```
PUT /signing-profiles/profileName/revoke HTTP/1.1
Content-type: application/json

{
  "effectiveTime": number,
  "profileVersion": "string",
  "reason": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

profileName (p. 45)

The name of the signing profile to be revoked.

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

effectiveTime (p. 45)

A timestamp for when revocation of a Signing Profile should become effective. Signatures generated using the signing profile after this timestamp are not trusted.

Type: Timestamp

Required: Yes

profileVersion (p. 45)

The version of the signing profile to be revoked.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

Required: Yes

reason (p. 45)

The reason for revoking a signing profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 500.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

You signing certificate could not be validated.

HTTP Status Code: 400

See Also

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

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

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

StartSigningJob

Initiates a signing job to be performed on the code provided. Signing jobs are viewable by the `ListSigningJobs` operation for two years after they are performed. Note the following requirements:

- You must create an Amazon S3 source bucket. For more information, see [Creating a Bucket](#) in the *Amazon S3 Getting Started Guide*.
- Your S3 source bucket must be version enabled.
- You must create an S3 destination bucket. Code signing uses your S3 destination bucket to write your signed code.
- You specify the name of the source and destination buckets when calling the `StartSigningJob` operation.
- You must also specify a request token that identifies your request to code signing.

You can call the [DescribeSigningJob \(p. 8\)](#) and the [ListSigningJobs \(p. 24\)](#) actions after you call `StartSigningJob`.

For a Java example that shows how to use this action, see [StartSigningJob](#).

Request Syntax

```
POST /signing-jobs HTTP/1.1
Content-type: application/json

{
  "clientRequestToken": "string",
  "destination": {
    "s3": {
      "bucketName": "string",
      "prefix": "string"
    }
  },
  "profileName": "string",
  "profileOwner": "string",
  "source": {
    "s3": {
      "bucketName": "string",
      "key": "string",
      "version": "string"
    }
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

`clientRequestToken` (p. 48)

String that identifies the signing request. All calls after the first that use this token return the same response as the first call.

Type: String

Required: Yes

destination (p. 48)

The S3 bucket in which to save your signed object. The destination contains the name of your bucket and an optional prefix.

Type: [Destination \(p. 58\)](#) object

Required: Yes

profileName (p. 48)

The name of the signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: Yes

profileOwner (p. 48)

The AWS account ID of the signing profile owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: No

source (p. 48)

The S3 bucket that contains the object to sign or a BLOB that contains your raw code.

Type: [Source \(p. 81\)](#) object

Required: Yes

Response Syntax

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

{
  "jobId": "string",
  "jobOwner": "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.

jobId (p. 49)

The ID of your signing job.

Type: String

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

The AWS account ID of the signing job owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ResourceNotFoundException

A specified resource could not be found.

HTTP Status Code: 404

ThrottlingException

This error has been deprecated.

The request was denied due to request throttling.

Instead of this error, `TooManyRequestsException` should be used.

HTTP Status Code: 429

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

Examples

Start a signing job

This example illustrates one usage of `StartSigningJob`.

Sample Request

```
POST /Prod/signing-jobs HTTP/1.1
Host: signer.us-east-1.amazonaws.com
Accept-Encoding: identity
Content-Length: 411
Authorization: AWS4-HMAC-SHA256 Credential=acces_key/20171115/
us-east-1/signer/aws4_request, SignedHeaders=host;x-amz-date,
Signature=e5a6cf8f72819823373eef632ab310e940aea5abec6c101ab27265b7aaa37aee
X-Amz-Date: 20171115T154708Z
User-Agent: aws-cli/1.11.132 Python/2.7.9 Windows/8 botocore/1.5.95

{
  "source": {
    "s3": {
      "version": "W.OIrIFmjIFeuNXOaBJzPee66.wRg4GR",
      "bucketName": "signer-test-source",
      "key": "my-example-code.java"
    }
  },
  "destination": {
    "s3": {
      "bucketName": "signer-test-dest"
    }
  },
  "platform": "TexasInstruments",
  "signingMaterial": {
    "certificateArn": "arn:aws:acm:region:123456789012:certificate/9ec626ca-0bbb-4be5-83a2-
ee563f8386ca"
  },
  "clientRequestToken": "12345"
}
```

Sample Response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 48
Date: Wed, 15 Nov 2017 15:47:17 GMT
x-amzn-RequestId: 41bab6aa-ca1c-11e7-84c9-a3126a821e6a
X-Amzn-Trace-Id: sampled=0;root=1-5a0c6184-fcef477f16c548f2ab9a3c29
X-Cache: Miss from cloudfront
Via: 1.1 a44b4468444ef3ee67472bd5c5016098.cloudfront.net (CloudFront)
X-Amz-Cf-Id: JPloXC54wpP2pempPkUcX7S5Qf-5oMmgNE1Uc05KNi1G2igfInFU-g==
Connection: Keep-alive

{"jobId":"ba506303-848d-4fb7-a07f-e8049eb5faa6"}
```

See Also

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

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

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

TagResource

Adds one or more tags to a signing profile. Tags are labels that you can use to identify and organize your AWS resources. Each tag consists of a key and an optional value. To specify the signing profile, use its Amazon Resource Name (ARN). To specify the tag, use a key-value pair.

Request Syntax

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

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

URI Request Parameters

The request uses the following URI parameters.

[resourceArn \(p. 53\)](#)

The Amazon Resource Name (ARN) for the signing profile.

Required: Yes

Request Body

The request accepts the following data in JSON format.

[tags \(p. 53\)](#)

One or more tags to be associated with the signing profile.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

BadRequestException

The request contains invalid parameters for the ARN or tags. This exception also occurs when you call a tagging API on a cancelled signing profile.

HTTP Status Code: 400

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

NotFoundException

The signing profile was not found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

UntagResource

Removes one or more tags from a signing profile. To remove the tags, specify a list of tag keys.

Request Syntax

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

URI Request Parameters

The request uses the following URI parameters.

resourceArn (p. 55)

The Amazon Resource Name (ARN) for the signing profile.

Required: Yes

tagKeys (p. 55)

A list of tag keys to be removed from the signing profile.

Array Members: Minimum number of 1 item. Maximum number of 200 items.

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

Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 84\)](#).

BadRequestException

The request contains invalid parameters for the ARN or tags. This exception also occurs when you call a tagging API on a cancelled signing profile.

HTTP Status Code: 400

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

NotFoundException

The signing profile was not found.

HTTP Status Code: 404

TooManyRequestsException

The allowed number of job-signing requests has been exceeded.

This error supersedes the error `ThrottlingException`.

HTTP Status Code: 429

See Also

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

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

Data Types

The AWS Signer 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:

- [Destination](#) (p. 58)
- [EncryptionAlgorithmOptions](#) (p. 59)
- [HashAlgorithmOptions](#) (p. 60)
- [Permission](#) (p. 61)
- [S3Destination](#) (p. 62)
- [S3SignedObject](#) (p. 63)
- [S3Source](#) (p. 64)
- [SignatureValidityPeriod](#) (p. 65)
- [SignedObject](#) (p. 66)
- [SigningConfiguration](#) (p. 67)
- [SigningConfigurationOverrides](#) (p. 68)
- [SigningImageFormat](#) (p. 69)
- [SigningJob](#) (p. 70)
- [SigningJobRevocationRecord](#) (p. 73)
- [SigningMaterial](#) (p. 74)
- [SigningPlatform](#) (p. 75)
- [SigningPlatformOverrides](#) (p. 77)
- [SigningProfile](#) (p. 78)
- [SigningProfileRevocationRecord](#) (p. 80)
- [Source](#) (p. 81)

Destination

Points to an `S3Destination` object that contains information about your S3 bucket.

Contents

s3

The `S3Destination` object.

Type: [S3Destination \(p. 62\)](#) object

Required: No

See Also

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

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

EncryptionAlgorithmOptions

The encryption algorithm options that are available to a code signing job.

Contents

allowedValues

The set of accepted encryption algorithms that are allowed in a code signing job.

Type: Array of strings

Valid Values: `RSA` | `ECDSA`

Required: Yes

defaultValue

The default encryption algorithm that is used by a code signing job.

Type: String

Valid Values: `RSA` | `ECDSA`

Required: Yes

See Also

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

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

HashAlgorithmOptions

The hash algorithms that are available to a code signing job.

Contents

allowedValues

The set of accepted hash algorithms allowed in a code signing job.

Type: Array of strings

Valid Values: `SHA1` | `SHA256`

Required: Yes

defaultValue

The default hash algorithm that is used in a code signing job.

Type: String

Valid Values: `SHA1` | `SHA256`

Required: Yes

See Also

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

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

Permission

A cross-account permission for a signing profile.

Contents

action

An AWS Signer action permitted as part of cross-account permissions.

Type: String

Required: No

principal

The AWS principal that has been granted a cross-account permission.

Type: String

Required: No

profileVersion

The signing profile version that a permission applies to.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

Required: No

statementId

A unique identifier for a cross-account permission statement.

Type: String

Required: No

See Also

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

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

S3Destination

The name and prefix of the S3 bucket where code signing saves your signed objects.

Contents

bucketName

Name of the S3 bucket.

Type: String

Required: No

prefix

An Amazon S3 prefix that you can use to limit responses to those that begin with the specified prefix.

Type: String

Required: No

See Also

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

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

S3SignedObject

The S3 bucket name and key where code signing saved your signed code image.

Contents

bucketName

Name of the S3 bucket.

Type: String

Required: No

key

Key name that uniquely identifies a signed code image in your bucket.

Type: String

Required: No

See Also

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

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

S3Source

Information about the S3 bucket where you saved your unsigned code.

Contents

bucketName

Name of the S3 bucket.

Type: String

Required: Yes

key

Key name of the bucket object that contains your unsigned code.

Type: String

Required: Yes

version

Version of your source image in your version enabled S3 bucket.

Type: String

Required: Yes

See Also

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

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

SignatureValidityPeriod

The validity period for a signing job.

Contents

type

The time unit for signature validity.

Type: String

Valid Values: DAYS | MONTHS | YEARS

Required: No

value

The numerical value of the time unit for signature validity.

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

SignedObject

Points to an `S3SignedObject` object that contains information about your signed code image.

Contents

s3

The `S3SignedObject`.

Type: [S3SignedObject](#) (p. 63) object

Required: No

See Also

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

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

SigningConfiguration

The configuration of a code signing operation.

Contents

encryptionAlgorithmOptions

The encryption algorithm options that are available for a code signing job.

Type: [EncryptionAlgorithmOptions](#) (p. 59) object

Required: Yes

hashAlgorithmOptions

The hash algorithm options that are available for a code signing job.

Type: [HashAlgorithmOptions](#) (p. 60) object

Required: Yes

See Also

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

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

SigningConfigurationOverrides

A signing configuration that overrides the default encryption or hash algorithm of a signing job.

Contents

encryptionAlgorithm

A specified override of the default encryption algorithm that is used in a code signing job.

Type: String

Valid Values: `RSA` | `ECDSA`

Required: No

hashAlgorithm

A specified override of the default hash algorithm that is used in a code signing job.

Type: String

Valid Values: `SHA1` | `SHA256`

Required: No

See Also

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

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

SigningImageFormat

The image format of a code signing platform or profile.

Contents

defaultFormat

The default format of a code signing image.

Type: String

Valid Values: `JSON` | `JSONEmbedded` | `JSONDetached`

Required: Yes

supportedFormats

The supported formats of a code signing image.

Type: Array of strings

Valid Values: `JSON` | `JSONEmbedded` | `JSONDetached`

Required: Yes

See Also

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

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

SigningJob

Contains information about a signing job.

Contents

createdAt

The date and time that the signing job was created.

Type: Timestamp

Required: No

isRevoked

Indicates whether the signing job is revoked.

Type: Boolean

Required: No

jobId

The ID of the signing job.

Type: String

Required: No

jobInvoker

The AWS account ID of the job invoker.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: No

jobOwner

The AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `^[0-9]{12}$`

Required: No

platformDisplayName

The name of a signing platform.

Type: String

Required: No

platformId

The unique identifier for a signing platform.

Type: String

Required: No

profileName

The name of the signing profile that created a signing job.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: No

profileVersion

The version of the signing profile that created a signing job.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

Required: No

signatureExpiresAt

The time when the signature of a signing job expires.

Type: Timestamp

Required: No

signedObject

A `SignedObject` structure that contains information about a signing job's signed code image.

Type: [SignedObject \(p. 66\)](#) object

Required: No

signingMaterial

A `SigningMaterial` object that contains the Amazon Resource Name (ARN) of the certificate used for the signing job.

Type: [SigningMaterial \(p. 74\)](#) object

Required: No

source

A `Source` that contains information about a signing job's code image source.

Type: [Source \(p. 81\)](#) object

Required: No

status

The status of the signing job.

Type: String

Valid Values: `InProgress` | `Failed` | `Succeeded`

Required: No

See Also

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

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

SigningJobRevocationRecord

Revocation information for a signing job.

Contents

reason

A caller-supplied reason for revocation.

Type: String

Required: No

revokedAt

The time of revocation.

Type: Timestamp

Required: No

revokedBy

The identity of the revoker.

Type: String

Required: No

See Also

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

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

SigningMaterial

The ACM certificate that is used to sign your code.

Contents

certificateArn

The Amazon Resource Name (ARN) of the certificates that is used to sign your code.

Type: String

Required: Yes

See Also

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

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

SigningPlatform

Contains information about the signing configurations and parameters that are used to perform a code signing job.

Contents

category

The category of a code signing platform.

Type: String

Valid Values: `AWSIoT`

Required: No

displayName

The display name of a code signing platform.

Type: String

Required: No

maxSizeInMB

The maximum size (in MB) of code that can be signed by a code signing platform.

Type: Integer

Required: No

partner

Any partner entities linked to a code signing platform.

Type: String

Required: No

platformId

The ID of a code signing; platform.

Type: String

Required: No

revocationSupported

Indicates whether revocation is supported for the platform.

Type: Boolean

Required: No

signingConfiguration

The configuration of a code signing platform. This includes the designated hash algorithm and encryption algorithm of a signing platform.

Type: [SigningConfiguration \(p. 67\)](#) object

Required: No

signingImageFormat

The image format of a code signing platform or profile.

Type: [SigningImageFormat \(p. 69\)](#) object

Required: No

target

The types of targets that can be signed by a code signing platform.

Type: String

Required: No

See Also

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

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

SigningPlatformOverrides

Any overrides that are applied to the signing configuration of a code signing platform.

Contents

signingConfiguration

A signing configuration that overrides the default encryption or hash algorithm of a signing job.

Type: [SigningConfigurationOverrides](#) (p. 68) object

Required: No

signingImageFormat

A signed image is a JSON object. When overriding the default signing platform configuration, a customer can select either of two signing formats, `JSONEmbedded` or `JSONDetached`. (A third format value, `JSON`, is reserved for future use.) With `JSONEmbedded`, the signing image has the payload embedded in it. With `JSONDetached`, the payload is not be embedded in the signing image.

Type: String

Valid Values: `JSON` | `JSONEmbedded` | `JSONDetached`

Required: No

See Also

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

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

SigningProfile

Contains information about the ACM certificates and code signing configuration parameters that can be used by a given code signing user.

Contents

arn

The Amazon Resource Name (ARN) for the signing profile.

Type: String

Required: No

platformDisplayName

The name of the signing platform.

Type: String

Required: No

platformId

The ID of a platform that is available for use by a signing profile.

Type: String

Required: No

profileName

The name of the signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 64.

Pattern: `^[a-zA-Z0-9_]{2,}`

Required: No

profileVersion

The version of a signing profile.

Type: String

Length Constraints: Fixed length of 10.

Pattern: `^[a-zA-Z0-9]{10}$`

Required: No

profileVersionArn

The ARN of a signing profile, including the profile version.

Type: String

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

Required: No

signatureValidityPeriod

The validity period for a signing job created using this signing profile.

Type: [SignatureValidityPeriod \(p. 65\)](#) object

Required: No

signingMaterial

The ACM certificate that is available for use by a signing profile.

Type: [SigningMaterial \(p. 74\)](#) object

Required: No

signingParameters

The parameters that are available for use by a code signing user.

Type: String to string map

Required: No

status

The status of a code signing profile.

Type: String

Valid Values: `Active` | `Canceled` | `Revoked`

Required: No

tags

A list of tags associated with the signing profile.

Type: String to string map

Map Entries: Maximum number of 200 items.

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

Key Pattern: `^(?!aws:)[a-zA-Z+-=._:/]+$`

Value Length Constraints: Maximum length of 256.

Required: No

See Also

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

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

SigningProfileRevocationRecord

Revocation information for a signing profile.

Contents

revocationEffectiveFrom

The time when revocation becomes effective.

Type: Timestamp

Required: No

revokedAt

The time when the signing profile was revoked.

Type: Timestamp

Required: No

revokedBy

The identity of the revoker.

Type: String

Required: No

See Also

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

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

Source

An `S3Source` object that contains information about the S3 bucket where you saved your unsigned code.

Contents

s3

The `S3Source` object.

Type: [S3Source \(p. 64\)](#) object

Required: No

See Also

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

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

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: `access_key/YYYYMMDD/region/service/aws4_request`.

For more information, see [Task 2: Create a String to Sign for Signature Version 4](#) in the *Amazon Web Services General Reference*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS Security Token Service, go to [AWS Services That Work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from the AWS Security Token Service, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Task 1: Create a Canonical Request For Signature Version 4](#) in the *Amazon Web Services General Reference*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

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