



API Reference

# AWS Signer



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# AWS Signer: API Reference

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# Welcome

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

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.

With Signer and the Notation CLI from the [Notary Project](#), you can sign container images stored in a container registry such as Amazon Elastic Container Registry (ECR). The signatures are stored in the registry alongside the images, where they are available for verifying image authenticity and integrity.

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

This document was last published on August 15, 2024.

# Actions

The following actions are supported:

- [AddProfilePermission](#)
- [CancelSigningProfile](#)
- [DescribeSigningJob](#)
- [GetRevocationStatus](#)
- [GetSigningPlatform](#)
- [GetSigningProfile](#)
- [ListProfilePermissions](#)
- [ListSigningJobs](#)
- [ListSigningPlatforms](#)
- [ListSigningProfiles](#)
- [ListTagsForResource](#)
- [PutSigningProfile](#)
- [RemoveProfilePermission](#)
- [RevokeSignature](#)
- [RevokeSigningProfile](#)
- [SignPayload](#)
- [StartSigningJob](#)
- [TagResource](#)
- [UntagResource](#)

# 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

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

For cross-account signing. Grant a designated account permission to perform one or more of the following actions. Each action is associated with a specific API's operations. For more information about cross-account signing, see [Using cross-account signing with signing profiles](#) in the *AWS Signer Developer Guide*.

You can designate the following actions to an account.

- `signer:StartSigningJob`. This action isn't supported for container image workflows. For details, see [StartSigningJob](#).
- `signer:SignPayload`. This action isn't supported for AWS Lambda workflows. For details, see [SignPayload](#).
- `signer:GetSigningProfile`. For details, see [GetSigningProfile](#).
- `signer:RevokeSignature`. For details, see [RevokeSignature](#).

Type: String

Required: Yes

### [principal](#)

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

Type: String

Required: Yes

### [profileVersion](#)

The version of the signing profile.

Type: String

Length Constraints: Fixed length of 10.

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

Required: No

### [revisionId](#)

A unique identifier for the current profile revision.

Type: String

Required: No

### [statementId](#)

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

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](#).

### **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 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](#)



# 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

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](#).

## **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:

- [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](#)



# DescribeSigningJob

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

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### [jobId](#)

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

Date and time that the signing job was completed.

Type: Timestamp

### **createdAt**

Date and time that the signing job was created.

Type: Timestamp

### **jobId**

The ID of the signing job on output.

Type: String

### **jobInvoker**

The IAM entity that initiated the signing job.

Type: String

Length Constraints: Fixed length of 12.

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

### **jobOwner**

The AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

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

### **overrides**

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

Type: [SigningPlatformOverrides](#) object

### **platformDisplayName**

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

Type: String

### **platformId**

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

Type: String

### profileName

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

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

The IAM principal that requested the signing job.

Type: String

### revocationRecord

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](#) object

### signatureExpiresAt

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

Type: Timestamp

### signedObject

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

Type: [SignedObject](#) object

## signingMaterial

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

Type: [SigningMaterial](#) object

## signingParameters

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

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

Type: [Source](#) object

## status

Status of the signing job.

Type: String

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

## statusReason

String value that contains the status reason.

Type: String

## Errors

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

### **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=93e24ab743082913abfb466a13b2f65a7f3eec9893aa2dcdbdc91d160b3d7ff67
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: hAkstXf07ycoa3HgI2MebhYgvyZ39K7zn2Z9mpqxsR1PjPphgaHZUQ==
Connection: Keep-alive

{
  "jobId": "9052caa6-1d8d-43b5-9ead-0cb8621c8c74",
  "source": {
    "s3": {
      "bucketName": "signer-test-source",
      "key": "my-example-code.java",
      "version": "W.0IrIFmjIFeuNX0aBJzPee66.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 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](#)

# GetRevocationStatus

Retrieves the revocation status of one or more of the signing profile, signing job, and signing certificate.

## Request Syntax

```
GET /revocations?  
certificateHashes=certificateHashes&jobArn=jobArn&platformId=platformId&profileVersionArn=profileVersionArn  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### certificateHashes

A list of composite signed hashes that identify certificates.

A certificate identifier consists of a subject certificate TBS hash (signed by the parent CA) combined with a parent CA TBS hash (signed by the parent CA's CA). Root certificates are defined as their own CA.

The following example shows how to calculate a hash for this parameter using OpenSSL commands:

```
openssl asn1parse -in childCert.pem -strparse 4 -out childCert.tbs  
openssl sha384 < childCert.tbs -binary > childCertTbsHash  
openssl asn1parse -in parentCert.pem -strparse 4 -out parentCert.tbs  
openssl sha384 < parentCert.tbs -binary > parentCertTbsHash xxd -p  
childCertTbsHash > certificateHash.hex xxd -p parentCertTbsHash >>  
certificateHash.hex  
  
cat certificateHash.hex | tr -d '\n'
```

Required: Yes

### jobArn

The ARN of a signing job.

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

Required: Yes

### platformId

The ID of a signing platform.

Required: Yes

### profileVersionArn

The version of a signing profile.

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

Required: Yes

### signatureTimestamp

The timestamp of the signature that validates the profile or job.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "revokedEntities": [ "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.

## revokedEntities

A list of revoked entities (including zero or more of the signing profile ARN, signing job ARN, and certificate hashes) supplied as input to the API.

Type: Array of strings

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerErrorException**

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

## 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](#)

# 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](#)

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

The category type of the target signing platform.

Type: String

Valid Values: AWSIoT

### displayName

The display name of the target signing platform.

Type: String

### maxSizeInMB

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

Type: Integer

### partner

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

Type: String

### platformId

The ID of the target signing platform.

Type: String

### revocationSupported

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

Type: Boolean

### signingConfiguration

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

Type: [SigningConfiguration](#) object

### signingImageFormat

The format of the target platform's signing image.

Type: [SigningImageFormat](#) object

### target

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](#).

### **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 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](#)

# 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

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

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](#)

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

Type: String

### overrides

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

Type: [SigningPlatformOverrides](#) object

### platformDisplayName

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

Type: String

### platformId

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

Type: String

### profileName

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

The current version of the signing profile.

Type: String

Length Constraints: Fixed length of 10.

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

### profileVersionArn

The signing profile ARN, including the profile version.

Type: String

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

## revocationRecord

Revocation information for a signing profile.

Type: [SigningProfileRevocationRecord](#) object

## signatureValidityPeriod

The validity period for a signing job.

Type: [SignatureValidityPeriod](#) object

## signingMaterial

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

Type: [SigningMaterial](#) object

## signingParameters

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

Type: String to string map

## status

The status of the target signing profile.

Type: String

Valid Values: Active | Canceled | Revoked

## statusReason

Reason for the status of the target signing profile.

Type: String

## 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.

## Errors

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

### 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 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](#)

# 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](#)

String for specifying the next set of paginated results.

### [profileName](#)

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](#)

String for specifying the next set of paginated results.

Type: String

### [permissions](#)

List of permissions associated with the Signing Profile.

Type: Array of [Permission](#) objects

### [policySizeBytes](#)

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

Type: Integer

### [revisionId](#)

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](#).

### **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

### **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 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](#)

# 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, AWS Signer 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 Signer 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=  
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### isRevoked

Filters results to return only signing jobs with revoked signatures.

### jobInvoker

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

Length Constraints: Fixed length of 12.

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

### maxResults

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

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

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

## requestedBy

The IAM principal that requested the signing job.

## signatureExpiresAfter

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

## signatureExpiresBefore

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

## status

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

A list of your signing jobs.

Type: Array of [SigningJob](#) objects

### nextToken

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](#).

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerErrorException

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: BtaBXTGIVWfSRurtkK7aM0cg39oiA1Uz3UCoPPQm5LWu5bt72gV_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.0IrIFmjIFeuNX0aBJzPee66.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.0IrIFmjIFeuNX0aBJzPee66.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.0IrIFmjIFeuNX0aBJzPee66.wRg4GR"
  }
},
"singedObject": {
  "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 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](#)

# ListSigningPlatforms

Lists all signing platforms available in AWS Signer that match the request parameters. If additional jobs remain to be listed, Signer 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 Signer 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](#)

The category type of a signing platform.

### [maxResults](#)

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

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

### [nextToken](#)

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](#)

Any partner entities connected to a signing platform.

### [target](#)

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

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

Type: String

## platforms

A list of all platforms that match the request parameters.

Type: Array of [SigningPlatform](#) objects

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerErrorException**

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

## 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](#)



# 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, AWS Signer 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 Signer 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
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [includeCanceled](#)

Designates whether to include profiles with the status of CANCELED.

### [maxResults](#)

The maximum number of profiles to be returned.

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

### [nextToken](#)

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](#)

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

### [statuses](#)

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](#)

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

Type: String

## [profiles](#)

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](#) objects

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerErrorException**

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 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

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](#)

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

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](#).

### **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 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](#)

# 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

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

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](#) object

Required: No

### platformId

The ID of the signing platform to be created.

Type: String

Required: Yes

### signatureValidityPeriod

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

Type: [SignatureValidityPeriod](#) object

Required: No

### signingMaterial

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

Type: [SigningMaterial](#) object

Required: No

## [signingParameters](#)

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](#)

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

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

Type: String

## profileVersion

The version of the signing profile being created.

Type: String

Length Constraints: Fixed length of 10.

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

## profileVersionArn

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](#).

### **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

## 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 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](#)

# 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

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

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

Required: Yes

### statementId

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

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](#).

### **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 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](#)

# 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

ID of the signing job to be revoked.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### jobOwner

AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

### reason

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](#).

### **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

## 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 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](#)

# 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](#)

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](#)

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

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

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](#).

### **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

## **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 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](#)



# SignPayload

Signs a binary payload and returns a signature envelope.

## Request Syntax

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

```
{
  "payload": blob,
  "payloadFormat": "string",
  "profileName": "string",
  "profileOwner": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### [payload](#)

Specifies the object digest (hash) to sign.

Type: Base64-encoded binary data object

Length Constraints: Minimum length of 1. Maximum length of 4096.

Required: Yes

### [payloadFormat](#)

Payload content type. The single valid type is `application/vnd.cncf.notary.payload.v1+json`.

Type: String

Required: Yes

## 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: Yes

## profileOwner

The AWS account ID of the profile owner.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

## Response Syntax

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

```
{
  "jobId": "string",
  "jobOwner": "string",
  "metadata": {
    "string" : "string"
  },
  "signature": blob
}
```

## 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

Unique identifier of the signing job.

Type: String

## jobOwner

The AWS account ID of the job owner.

Type: String

Length Constraints: Fixed length of 12.

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

## metadata

Information including the signing profile ARN and the signing job ID.

Type: String to string map

## signature

A cryptographic signature.

Type: Base64-encoded binary data object

## Errors

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

### **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

### **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 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](#)

# 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. AWS Signer 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 ensure the S3 buckets are from the same Region as the signing profile. Cross-Region signing isn't supported.
- You must also specify a request token that identifies your request to Signer.

You can call the [DescribeSigningJob](#) and the [ListSigningJobs](#) 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

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

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

Type: [Destination](#) object

Required: Yes

### 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: Yes

### [profileOwner](#)

The AWS account ID of the signing profile owner.

Type: String

Length Constraints: Fixed length of 12.

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

Required: No

### [source](#)

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

Type: [Source](#) 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](#)

The ID of your signing job.

Type: String

## **jobOwner**

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](#).

### **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

You 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.0IrIFmjIFeuNX0aBJzPee66.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 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 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

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

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

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](#).

### 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 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 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

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

Required: Yes

### tagKeys

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](#).

### **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 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 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](#)
- [EncryptionAlgorithmOptions](#)
- [HashAlgorithmOptions](#)
- [Permission](#)
- [S3Destination](#)
- [S3SignedObject](#)
- [S3Source](#)
- [SignatureValidityPeriod](#)
- [SignedObject](#)
- [SigningConfiguration](#)
- [SigningConfigurationOverrides](#)
- [SigningImageFormat](#)
- [SigningJob](#)
- [SigningJobRevocationRecord](#)
- [SigningMaterial](#)
- [SigningPlatform](#)
- [SigningPlatformOverrides](#)
- [SigningProfile](#)
- [SigningProfileRevocationRecord](#)
- [Source](#)





# Destination

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

## Contents

### s3

The `S3Destination` object.

Type: [S3Destination](#) object

Required: No

## See Also

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

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

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

# S3Destination

The name and prefix of the Amazon S3 bucket where AWS Signer saves your signed objects.

## Contents

### bucketName

Name of the S3 bucket.

Type: String

Required: No

### prefix

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

# S3SignedObject

The Amazon S3 bucket name and key where Signer 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 Java V2](#)
- [AWS SDK for Ruby V3](#)

# S3Source

Information about the Amazon 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 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 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](#) object

Required: No

## See Also

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

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

# SigningConfiguration

The configuration of a signing operation.

## Contents

### encryptionAlgorithmOptions

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

Type: [EncryptionAlgorithmOptions](#) object

Required: Yes

### hashAlgorithmOptions

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

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

# SigningImageFormat

The image format of a AWS Signer platform or profile.

## Contents

### defaultFormat

The default format of a signing image.

Type: String

Valid Values: JSON | JSONEmbedded | JSONDetached

Required: Yes

### supportedFormats

The supported formats of a 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 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](#) object

Required: No

### **signingMaterial**

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

Type: [SigningMaterial](#) object

Required: No

### **source**

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

Type: [Source](#) 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 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 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 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 signing platform.

Type: String

Valid Values: AWSIoT

Required: No

### displayName

The display name of a signing platform.

Type: String

Required: No

### maxSizeInMB

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

Type: Integer

Required: No

### partner

Any partner entities linked to a signing platform.

Type: String

Required: No

### platformId

The ID of a signing platform.

Type: String

Required: No

### **revocationSupported**

Indicates whether revocation is supported for the platform.

Type: Boolean

Required: No

### **signingConfiguration**

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

Type: [SigningConfiguration](#) object

Required: No

### **signingImageFormat**

The image format of a AWS Signer platform or profile.

Type: [SigningImageFormat](#) object

Required: No

### **target**

The types of targets that can be signed by a 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 Java V2](#)
- [AWS SDK for Ruby V3](#)



# SigningPlatformOverrides

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

## Contents

### signingConfiguration

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

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

# SigningProfile

Contains information about the ACM certificates and 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](#) object

Required: No

### **signingMaterial**

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

Type: [SigningMaterial](#) object

Required: No

### **signingParameters**

The parameters that are available for use by a Signer user.

Type: String to string map

Required: No

### **status**

The status of a 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 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 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](#) object

Required: No

## See Also

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

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

# Common Parameters

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

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

### **X-Amz-Date**

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

### **X-Amz-Security-Token**

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

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

Type: string

Required: Conditional

### **X-Amz-Signature**

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

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

Type: string

Required: Conditional

### **X-Amz-SignedHeaders**

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

# Common Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

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

HTTP Status Code: 500

## **MalformedHttpRequestException**

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

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

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



HTTP Status Code: 403

### **RequestAbortedException**

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

HTTP Status Code: 400

### **RequestEntityTooLargeException**

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

HTTP Status Code: 413

### **RequestExpired**

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

HTTP Status Code: 400

### **RequestTimeoutException**

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

HTTP Status Code: 408

### **ServiceUnavailable**

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

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

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

HTTP Status Code: 403

**UnknownOperationException**

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

HTTP Status Code: 404

**ValidationError**

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

HTTP Status Code: 400