
AWS Signer
API Reference
API Version 2017-08-25



AWS Signer: API Reference

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Welcome

With code signing for IoT, you can sign code that you create for any IoT device that is supported by Amazon Web Services (AWS). Code signing is available through [Amazon FreeRTOS](#) and [AWS IoT Device Management](#), and integrated with [AWS Certificate Manager \(ACM\)](#). In order to sign code, you import a third-party code signing certificate with ACM that is used to sign updates in Amazon FreeRTOS and AWS IoT Device Management. For general information about using code signing, see the [Code Signing for IoT Developer Guide](#).

This document was last published on May 22, 2019.

Actions

The following actions are supported:

- [CancelSigningProfile](#) (p. 3)
- [DescribeSigningJob](#) (p. 5)
- [GetSigningPlatform](#) (p. 10)
- [GetSigningProfile](#) (p. 13)
- [ListSigningJobs](#) (p. 16)
- [ListSigningPlatforms](#) (p. 21)
- [ListSigningProfiles](#) (p. 24)
- [PutSigningProfile](#) (p. 27)
- [StartSigningJob](#) (p. 30)

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 requires the following URI parameters.

profileName (p. 3)

The name of the signing profile to be canceled.

Length Constraints: Minimum length of 2. Maximum length of 20.

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

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. 56).

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

ThrottlingException

The signing job has been throttled.

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

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. 30) operation.

Request Syntax

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

URI Request Parameters

The request requires the following URI parameters.

`jobId` (p. 5)

The ID of the signing job on input.

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",
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    }
  },
  "platformId": "string",
  "profileName": "string",
  "requestedBy": "string",
  "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. 5)

Date and time that the signing job was completed.

Type: Timestamp

createdAt (p. 5)

Date and time that the signing job was created.

Type: Timestamp

jobId (p. 5)

The ID of the signing job on output.

Type: String

overrides (p. 5)

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

Type: [SigningPlatformOverrides \(p. 50\)](#) object

platformId (p. 5)

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

Type: String

profileName (p. 5)

The name of the profile that initiated the signing operation.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 20.

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

requestedBy (p. 5)

The IAM principal that requested the signing job.

Type: String

signedObject (p. 5)

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

Type: [SignedObject \(p. 41\)](#) object

signingMaterial (p. 5)

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

Type: [SigningMaterial \(p. 47\)](#) object
signingParameters (p. 5)

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. 5)

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

Type: [Source \(p. 53\)](#) object
status (p. 5)

Status of the signing job.

Type: String

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

statusReason (p. 5)

String value that contains the status reason.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 56\)](#).

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

Example

Describe a signing job

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=93e24ab743082913abfb466a13b2f65a7f3eec9893aa2dcbdc91d160b3d7ff67
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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

GetSigningPlatform

Returns information on a specific signing platform.

Request Syntax

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

URI Request Parameters

The request requires the following URI parameters.

[platformId \(p. 10\)](#)

The ID of the target signing platform.

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",
  "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. 10)

The category type of the target signing platform.

Type: String

Valid Values: `AWSIoT`

displayName (p. 10)

The display name of the target signing platform.

Type: String

maxSizeInMB (p. 10)

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

Type: Integer

partner (p. 10)

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

Type: String

platformId (p. 10)

The ID of the target signing platform.

Type: String

signingConfiguration (p. 10)

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

Type: [SigningConfiguration \(p. 42\)](#) object

signingImageFormat (p. 10)

The format of the target platform's signing image.

Type: [SigningImageFormat \(p. 44\)](#) object

target (p. 10)

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 \(p. 56\)](#).

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

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

GetSigningProfile

Returns information on a specific signing profile.

Request Syntax

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

URI Request Parameters

The request requires the following URI parameters.

profileName (p. 13)

The name of the target signing profile.

Length Constraints: Minimum length of 2. Maximum length of 20.

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

Request Body

The request does not have a request body.

Response Syntax

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

{
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    }
  },
  "platformId": "string",
  "profileName": "string",
  "signingMaterial": {
    "certificateArn": "string"
  },
  "signingParameters": {
    "string": "string"
  },
  "status": "string"
}
```

Response Elements

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

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

overrides (p. 13)

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

Type: [SigningPlatformOverrides \(p. 50\)](#) object

platformId (p. 13)

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

Type: String

profileName (p. 13)

The name of the target signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 20.

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

signingMaterial (p. 13)

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

Type: [SigningMaterial \(p. 47\)](#) object

signingParameters (p. 13)

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

Type: String to string map

status (p. 13)

The status of the target signing profile.

Type: String

Valid Values: `Active` | `Canceled`

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 56\)](#).

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

ThrottlingException

The signing job has been throttled.

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

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?  
maxResults=maxResults&nextToken=nextToken&platformId=platformId&requestedBy=requestedBy&status=status  
HTTP/1.1
```

URI Request Parameters

The request requires the following URI parameters.

maxResults (p. 16)

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. 16)

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. 16)

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

requestedBy (p. 16)

The IAM principal that requested the signing job.

status (p. 16)

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,
      "jobId": "string",
      "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. 16)

A list of your signing jobs.

Type: Array of [SigningJob](#) (p. 45) objects

nextToken (p. 16)

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. 56).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

An internal error occurred.

HTTP Status Code: 500

ThrottlingException

The signing job has been throttled.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

Example

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: BtaBXTGIVWfSRurtkK7aMOcg39oiA1Uz3UCoPPQm5LWu5bt72gV_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"
  }
]
```

AWS Signer API Reference
Example

```
},
{
  "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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V2](#)

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 requires the following URI parameters.

`category` (p. 21)

The category type of a signing platform.

`maxResults` (p. 21)

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

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

`nextToken` (p. 21)

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. 21)

Any partner entities connected to a signing platform.

`target` (p. 21)

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",  
    "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. 21)

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

Type: String

platforms (p. 21)

A list of all platforms that match the request parameters.

Type: Array of [SigningPlatform](#) (p. 48) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 56).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ThrottlingException

The signing job has been throttled.

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

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 HTTP/1.1
```

URI Request Parameters

The request requires the following URI parameters.

`includeCanceled` (p. 24)

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

`maxResults` (p. 24)

The maximum number of profiles to be returned.

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

`nextToken` (p. 24)

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.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200  
Content-type: application/json  
  
{  
  "nextToken": "string",  
  "profiles": [  
    {  
      "platformId": "string",  
      "profileName": "string",  
      "signingMaterial": {  
        "certificateArn": "string"  
      },  
      "signingParameters": {  
        "string": "string"  
      },  
      "status": "string"  
    }  
  ]  
}
```

```
}  
  ]  
}
```

Response Elements

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

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

nextToken (p. 24)

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

Type: String

profiles (p. 24)

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. 51) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 56).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServiceErrorException

An internal error occurred.

HTTP Status Code: 500

ThrottlingException

The signing job has been throttled.

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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for JavaScript](#)

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

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. For more information, see <http://docs.aws.amazon.com/signer/latest/developerguide/gs-profile.html>

Request Syntax

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

{
  "overrides": {
    "signingConfiguration": {
      "encryptionAlgorithm": "string",
      "hashAlgorithm": "string"
    }
  },
  "platformId": "string",
  "signingMaterial": {
    "certificateArn": "string"
  },
  "signingParameters": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request requires the following URI parameters.

profileName (p. 27)

The name of the signing profile to be created.

Length Constraints: Minimum length of 2. Maximum length of 20.

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

Request Body

The request accepts the following data in JSON format.

overrides (p. 27)

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. 50) object

Required: No

platformId (p. 27)

The ID of the signing profile to be created.

Type: String

Required: Yes

[signingMaterial \(p. 27\)](#)

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

Type: [SigningMaterial \(p. 47\)](#) object

Required: Yes

[signingParameters \(p. 27\)](#)

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

Response Syntax

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

{
  "arn": "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 \(p. 28\)](#)

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

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 56\)](#).

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

The signing job has been throttled.

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

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 [Create 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. 5) and the [ListSigningJobs](#) (p. 16) actions after you call `StartSigningJob`.

For a Java example that shows how to use this action, see <http://docs.aws.amazon.com/acm/latest/userguide/>

Request Syntax

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

{
  "clientRequestToken": "string",
  "destination": {
    "s3": {
      "bucketName": "string",
      "prefix": "string"
    }
  },
  "profileName": "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. 30)

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 \(p. 30\)](#)

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

Type: [Destination \(p. 35\)](#) object

Required: Yes

[profileName \(p. 30\)](#)

The name of the signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 20.

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

Required: No

[source \(p. 30\)](#)

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

Type: [Source \(p. 53\)](#) object

Required: Yes

Response Syntax

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

{
  "jobId": "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 \(p. 31\)](#)

The ID of your signing job.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 56\)](#).

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

ThrottlingException

The signing job has been throttled.

HTTP Status Code: 429

ValidationException

Your signing certificate could not be validated.

HTTP Status Code: 400

Example

Start a signing job

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

Data Types

The AWS 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. 35)
- [EncryptionAlgorithmOptions](#) (p. 36)
- [HashAlgorithmOptions](#) (p. 37)
- [S3Destination](#) (p. 38)
- [S3SignedObject](#) (p. 39)
- [S3Source](#) (p. 40)
- [SignedObject](#) (p. 41)
- [SigningConfiguration](#) (p. 42)
- [SigningConfigurationOverrides](#) (p. 43)
- [SigningImageFormat](#) (p. 44)
- [SigningJob](#) (p. 45)
- [SigningMaterial](#) (p. 47)
- [SigningPlatform](#) (p. 48)
- [SigningPlatformOverrides](#) (p. 50)
- [SigningProfile](#) (p. 51)
- [Source](#) (p. 53)

Destination

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

Contents

s3

The `S3Destination` object.

Type: [S3Destination \(p. 38\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

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

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

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

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

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

SignedObject

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

Contents

s3

The `S3SignedObject`.

Type: [S3SignedObject \(p. 39\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

SigningConfiguration

The configuration of a code signing operation.

Contents

encryptionAlgorithmOptions

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

Type: [EncryptionAlgorithmOptions \(p. 36\)](#) object

Required: Yes

hashAlgorithmOptions

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

Type: [HashAlgorithmOptions \(p. 37\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

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

SigningImageFormat

The image format of a code signing platform or profile.

Contents

defaultFormat

The default format of a code signing signing image.

Type: String

Valid Values: `JSON`

Required: Yes

supportedFormats

The supported formats of a code signing signing image.

Type: Array of strings

Valid Values: `JSON`

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

SigningJob

Contains information about a signing job.

Contents

createdAt

The date and time that the signing job was created.

Type: Timestamp

Required: No

jobId

The ID of the signing job.

Type: String

Required: No

signedObject

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

Type: [SignedObject \(p. 41\)](#) object

Required: No

signingMaterial

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

Type: [SigningMaterial \(p. 47\)](#) object

Required: No

source

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

Type: [Source \(p. 53\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

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

SigningPlatform

Contains information about the signing configurations and parameters that is 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

signingConfiguration

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

Type: [SigningConfiguration \(p. 42\)](#) object

Required: No

signingImageFormat

The signing image format that is used by a code signing platform.

Type: [SigningImageFormat \(p. 44\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

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. 43) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

SigningProfile

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

Contents

platformId

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

Type: String

Required: No

profileName

The name of the code signing profile.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 20.

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

Required: No

signingMaterial

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

Type: [SigningMaterial \(p. 47\)](#) 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`

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 Go - Pilot](#)

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

Source

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

Contents

s3

The `S3Source` object.

Type: [S3Source \(p. 40\)](#) 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 Go - Pilot](#)
- [AWS SDK for Java](#)
- [AWS SDK for Ruby V2](#)

Common Parameters

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

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'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

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