Common Errors ................................................................................................................................ 36
Common Parameters ........................................................................................................................ 34
Data Types ...................................................................................................................................... 26
ProfilingStatus ................................................................................................................................. 33
ProfilingGroupDescription .............................................................................................................. 31
ProfileTime ...................................................................................................................................... 30
AggregatedProfileTime ...................................................................................................................... 29
AgentOrchestrationConfig ........................................................................................................... 28
AgentConfiguration ....................................................................................................................... 27
Response Syntax .............................................................................................................................. 18
Response Elements ............................................................................................................................ 19
Errors ........................................................................................................................................... 19
See Also ........................................................................................................................................... 20
PostAgentProfile ........................................................................................................................................ 21
Request Syntax ................................................................................................................................. 21
URI Request Parameters ................................................................................................................... 21
Request Body .................................................................................................................................. 21
Response Syntax .............................................................................................................................. 21
Response Elements ........................................................................................................................... 21
Errors ........................................................................................................................................... 21
See Also ........................................................................................................................................... 22
UpdateProfilingGroup .......................................................................................................................... 23
Request Syntax ................................................................................................................................. 23
URI Request Parameters ................................................................................................................... 23
Request Body .................................................................................................................................. 23
Response Syntax .............................................................................................................................. 23
Response Elements ........................................................................................................................... 24
Errors ........................................................................................................................................... 24
See Also ........................................................................................................................................... 24
Data Types ...................................................................................................................................... 26
AgentConfiguration ....................................................................................................................... 27
Contents ......................................................................................................................................... 27
See Also ........................................................................................................................................... 27
AgentOrchestrationConfig ........................................................................................................... 28
Contents ......................................................................................................................................... 28
See Also ........................................................................................................................................... 28
AggregatedProfileTime ...................................................................................................................... 29
Contents ......................................................................................................................................... 29
See Also ........................................................................................................................................... 29
ProfileTime ...................................................................................................................................... 30
Contents ......................................................................................................................................... 30
See Also ........................................................................................................................................... 30
ProfilingGroupDescription ........................................................................................................... 31
Contents ......................................................................................................................................... 31
See Also ........................................................................................................................................... 31
ProfilingStatus ................................................................................................................................. 33
Contents ......................................................................................................................................... 33
See Also ........................................................................................................................................... 33
Common Parameters ....................................................................................................................... 34
Common Errors ................................................................................................................................. 36
Welcome

This section provides documentation for the Amazon CodeGuru Profiler API operations.

This document was last published on April 2, 2020.
Actions

The following actions are supported:

- ConfigureAgent (p. 3)
- CreateProfilingGroup (p. 5)
- DeleteProfilingGroup (p. 8)
- DescribeProfilingGroup (p. 10)
- GetProfile (p. 12)
- ListProfileTimes (p. 15)
- ListProfilingGroups (p. 18)
- PostAgentProfile (p. 21)
- UpdateProfilingGroup (p. 23)
ConfigureAgent

Request Syntax

POST /profilingGroups/{profilingGroupName}/configureAgent HTTP/1.1
Content-type: application/json

{
  "fleetInstanceId": "string"
}

URI Request Parameters

The request requires the following URI parameters.

profilingGroupName (p. 3)

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[\w-]+$

Request Body

The request accepts the following data in JSON format.

fleetInstanceId (p. 3)

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[\w.-/]+$

Required: No

Response Syntax

HTTP/1.1 200
Content-type: application/json

{
  "configuration": {
    "periodInSeconds": number,
    "shouldProfile": boolean
  }
}

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.
Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

InternalServerException
The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

ResourceNotFoundException
The resource specified in the request does not exist.

HTTP Status Code: 404

ThrottlingException
The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException
The parameter is not valid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
CreateProfilingGroup

Creates a profiling group.

Request Syntax

POST /profilingGroups?clientToken=clientToken HTTP/1.1
Content-type: application/json

{  "agentOrchestrationConfig": {    "profilingEnabled": boolean    },  "profilingGroupName": "string"}

URI Request Parameters

The request requires the following URI parameters.

clientToken (p. 5)

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

This parameter specifies a unique identifier for the new profiling group that helps ensure idempotency.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: ^\[-]+$

Request Body

The request accepts the following data in JSON format.

agentOrchestrationConfig (p. 5)

The agent orchestration configuration.

Type: AgentOrchestrationConfig (p. 28) object

Required: No

profilingGroupName (p. 5)

The name of the profiling group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^\[-]+$

Required: Yes
Response Syntax

HTTP/1.1 201
Content-type: application/json

{
    "profilingGroup": {
        "agentOrchestrationConfig": {
            "profilingEnabled": boolean
        },
        "arn": "string",
        "createdAt": number,
        "name": "string",
        "profilingStatus": {
            "latestAgentOrchestratedAt": number,
            "latestAgentProfileReportedAt": number,
            "latestAggregatedProfile": {
                "period": "string",
                "start": number
            }
        },
        "updatedAt": number
    }
}

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

profilingGroup (p. 6)

Information about the new profiling group

Type: ProfilingGroupDescription (p. 31) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

ConflictException

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request.

HTTP Status Code: 409

InternalServerErrorException

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

ServiceQuotaExceededException

You have exceeded your service quota. To perform the requested action, remove some of the relevant resources, or use Service Quotas to request a service quota increase.

HTTP Status Code: 402
ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The parameter is not valid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DeleteProfilingGroup

Deletes a profiling group.

Request Syntax

DELETE /profilingGroups/{profilingGroupName} HTTP/1.1

URI Request Parameters

The request requires the following URI parameters.

profilingGroupName (p. 8)

The profiling group name to delete.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[\w-]+$

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 204

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

InternalServerException

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429
ValidationException

The parameter is not valid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
DescribeProfilingGroup

Describes a profiling group.

Request Syntax

GET /profilingGroups/profilingGroupName HTTP/1.1

URI Request Parameters

The request requires the following URI parameters.

profilingGroupName (p. 10)

The profiling group name.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[\w-]+$

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200
Content-type: application/json

{  
  "profilingGroup": {  
    "agentOrchestrationConfig": {  
      "profilingEnabled": boolean  
    },  
    "arn": "string",  
    "createdAt": number,  
    "name": "string",  
    "profilingStatus": {  
      "latestAgentOrchestratedAt": number,  
      "latestAgentProfileReportedAt": number,  
      "latestAggregatedProfile": {  
        "period": "string",  
        "start": number  
      }  
    },  
    "updatedAt": number  
  }  
}

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.
profilingGroup (p. 10)

Information about a profiling group.

Type: ProfilingGroupDescription (p. 31) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

InternalServerException

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

ResourceNotFoundException

The resource specified in the request does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The parameter is not valid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
GetProfile

Gets the aggregated profile of a profiling group for the specified time range. If the requested time range does not align with the available aggregated profiles, it is expanded to attain alignment. If aggregated profiles are available only for part of the period requested, the profile is returned from the earliest available to the latest within the requested time range.

For example, if the requested time range is from 00:00 to 00:20 and the available profiles are from 00:15 to 00:25, the returned profile will be from 00:15 to 00:20.

You must specify exactly two of the following parameters: startTime, period, and endTime.

Request Syntax

```plaintext
GET /profilingGroups/////profile?
endTime=endTime&maxDepth=maxDepth&period=period&startTime=startTime
HTTP/1.1
Accept: accept
```

**URI Request Parameters**

The request requires the following URI parameters.

- **accept (p. 12)**
  
  The format of the profile to return. You can choose application/json or the default application/x-amzn-ion.

- **endTime (p. 12)**
  
  You must specify exactly two of the following parameters: startTime, period, and endTime.

- **maxDepth (p. 12)**
  
  The maximum depth of the graph.
  
  Valid Range: Minimum value of 1. Maximum value of 10000.

- **period (p. 12)**
  
  The period of the profile to get. The time range must be in the past and not longer than one week.
  
  You must specify exactly two of the following parameters: startTime, period, and endTime.
  
  Length Constraints: Minimum length of 1. Maximum length of 64.

- **profilingGroupName (p. 12)**
  
  The name of the profiling group to get.
  
  Length Constraints: Minimum length of 1. Maximum length of 255.
  
  Pattern: ^\w-]+$  

- **startTime (p. 12)**
  
  The start time of the profile to get.
  
  You must specify exactly two of the following parameters: startTime, period, and endTime.
Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-Encoding: contentEncoding
Content-Type: contentType
profile
```

Response Elements

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

The response returns the following HTTP headers.

- **contentEncoding (p. 13)**
  - The content encoding of the profile.

- **contentType (p. 13)**
  - The content type of the profile in the payload. It is either application/json or the default application/x-amzn-ion.

The response returns the following as the HTTP body.

- **profile (p. 13)**
  - Information about the profile.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

- **InternalServerException**
  - The server encountered an internal error and is unable to complete the request.
  - HTTP Status Code: 500

- **ResourceNotFoundException**
  - The resource specified in the request does not exist.
  - HTTP Status Code: 404

- **ThrottlingException**
  - The request was denied due to request throttling.
  - HTTP Status Code: 429

- **ValidationException**
  - The parameter is not valid.
See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListProfileTimes

List the start times of the available aggregated profiles of a profiling group for an aggregation period within the specified time range.

Request Syntax

```
GET /profilingGroups/`profilingGroupName`/profileTimes?
endTime=endTime&maxResults=maxResults&nextToken=nextToken&orderBy=orderBy&period=period&startTime=startTime
```

URI Request Parameters

The request requires the following URI parameters.

**endTime (p. 15)**

The end time of the time range from which to list the profiles.

**maxResults (p. 15)**

The maximum number of profile time results returned by ListProfileTimes in paginated output. When this parameter is used, ListProfileTimes only returns maxResults results in a single page with a nextToken response element. The remaining results of the initial request can be seen by sending another ListProfileTimes request with the returned nextToken value.

Valid Range: Minimum value of 1. Maximum value of 1000.

**nextToken (p. 15)**

The nextToken value returned from a previous paginated ListProfileTimes request where maxResults was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the nextToken value.

**Note**

This token should be treated as an opaque identifier that is only used to retrieve the next items in a list and not for other programmatic purposes.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^[\w-]+$`

**orderBy (p. 15)**

The order (ascending or descending by start time of the profile) to use when listing profiles. Defaults to TIMESTAMP_DESCENDING.

Valid Values: TimestampAscending | TimestampDescending

**period (p. 15)**

The aggregation period.

Valid Values: P1D | PT1H | PT5M

**profilingGroupName (p. 15)**

The name of the profiling group.

Length Constraints: Minimum length of 1. Maximum length of 255.
Pattern: `^\w-+$`

**startTime (p. 15)**

The start time of the time range from which to list the profiles.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
    "nextToken": "string",
    "profileTimes": [
        {
            "start": number
        }
    ]
}
```

## 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. 16)**

The `nextToken` value to include in a future ListProfileTimes request. When the results of a ListProfileTimes request exceed maxResults, this value can be used to retrieve the next page of results. This value is null when there are no more results to return.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `^\w-+$`

**profileTimes (p. 16)**

The list of start times of the available profiles for the aggregation period in the specified time range.

Type: Array of ProfileTime (p. 30) objects

## Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

**InternalServerException**

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500
ResourceNotFoundException

The resource specified in the request does not exist.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The parameter is not valid.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
ListProfilingGroups

Lists profiling groups.

Request Syntax

GET /profilingGroups?
includeDescription=includeDescription&maxResults=maxResults&nextToken=nextToken HTTP/1.1

URI Request Parameters

The request requires the following URI parameters.

includeDescription (p. 18)
A Boolean value indicating whether to include a description.

maxResults (p. 18)
The maximum number of profiling groups results returned by ListProfilingGroups in paginated output. When this parameter is used, ListProfilingGroups only returns maxResults results in a single page along with a nextToken response element. The remaining results of the initial request can be seen by sending another ListProfilingGroups request with the returned nextToken value.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken (p. 18)
The nextToken value returned from a previous paginated ListProfilingGroups request where maxResults was used and the results exceeded the value of that parameter. Pagination continues from the end of the previous results that returned the nextToken value.

Note
This token should be treated as an opaque identifier that is only used to retrieve the next items in a list and not for other programmatic purposes.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: ^[\w-]+$

Request Body

The request does not have a request body.

Response Syntax

HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "profilingGroupNames": [ "string" ],
   "profilingGroups": [
      {
         "agentOrchestrationConfig": 

API Version 2019-07-18
"profilingEnabled": boolean,
"arn": "string",
"createdAt": number,
"name": "string",
"profilingStatus": {
  "latestAgentOrchestratedAt": number,
  "latestAgentProfileReportedAt": number,
  "latestAggregatedProfile": {
    "period": "string",
    "start": number
  }
},
"updatedAt": number
]}

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. 18)

The nextToken value to include in a future ListProfilingGroups request. When the results of a ListProfilingGroups request exceed maxResults, this value can be used to retrieve the next page of results. This value is null when there are no more results to return.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: ^[\w-]+$

profilingGroupNames (p. 18)

Information about profiling group names.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: ^[\w-]+$

profilingGroups (p. 18)

Information about profiling groups.

Type: Array of ProfilingGroupDescription (p. 31) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

InternalServerException

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

API Version 2019-07-18

19
ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
PostAgentProfile

Request Syntax

```plaintext
POST /profilingGroups/profilingGroupName/agentProfile?profileToken=profileToken HTTP/1.1
Content-Type: contentType
agentProfile
```

URI Request Parameters

The request requires the following URI parameters.

- contentType (p. 21)
- profileToken (p. 21)
  
  Length Constraints: Minimum length of 1. Maximum length of 64.
  
  Pattern: ^[\w-]+$
- profilingGroupName (p. 21)
  
  Length Constraints: Minimum length of 1. Maximum length of 255.
  
  Pattern: ^[\w-]+$

Request Body

The request accepts the following binary data.

- agentProfile (p. 21)

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

- InternalServerException
  
  The server encountered an internal error and is unable to complete the request.
  
  HTTP Status Code: 500

- ResourceNotFoundException
  
  The resource specified in the request does not exist.
HTTP Status Code: 404
**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429
**ValidationException**

The parameter is not valid.

HTTP Status Code: 400

### See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
UpdateProfilingGroup

Updates a profiling group.

Request Syntax

```
PUT /profilingGroups/{profilingGroupName} HTTP/1.1
Content-type: application/json

{
    "agentOrchestrationConfig": {
        "profilingEnabled": boolean
    }
}
```

URI Request Parameters

The request requires the following URI parameters.

profilingGroupName (p. 23)

The name of the profiling group to update.

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[\w-]+$`

Request Body

The request accepts the following data in JSON format.

agentOrchestrationConfig (p. 23)

Type: `AgentOrchestrationConfig (p. 28)` object

Required: Yes

Response Syntax

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

{
    "profilingGroup": {
        "agentOrchestrationConfig": {
            "profilingEnabled": boolean
        },
        "arn": "string",
        "createdAt": number,
        "name": "string",
        "profilingStatus": {
            "latestAgentOrchestratedAt": number,
            "latestAgentProfileReportedAt": number,
            "latestAggregatedProfile": {
                "period": "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.

**profilingGroup (p. 23)**

Updated information about the profiling group.

Type: `ProfilingGroupDescription (p. 31)` object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 36).

**ConflictException**

The requested operation would cause a conflict with the current state of a service resource associated with the request. Resolve the conflict before retrying this request.

HTTP Status Code: 409

**InternalServerException**

The server encountered an internal error and is unable to complete the request.

HTTP Status Code: 500

**ResourceNotFoundException**

The resource specified in the request does not exist.

HTTP Status Code: 404

**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

**ValidationException**

The parameter is not valid.

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
See Also

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3
Data Types

The Amazon CodeGuru Profiler 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:

- `AgentConfiguration` (p. 27)
- `AgentOrchestrationConfig` (p. 28)
- `AggregatedProfileTime` (p. 29)
- `ProfileTime` (p. 30)
- `ProfilingGroupDescription` (p. 31)
- `ProfilingStatus` (p. 33)
AgentConfiguration

Contents

periodInSeconds
  Type: Integer
  Required: Yes
shouldProfile
  Type: Boolean
  Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
AgentOrchestrationConfig

Contents

profilingEnabled

Type: Boolean
Required: Yes

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
AggregatedProfileTime

Information about the time range of the latest available aggregated profile.

Contents

**period**

The time period.

Type: String

Valid Values: P1D | PT1H | PT5M

Required: No

**start**

The start time.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProfileTime

Information about the profile time.

Contents

start

The start time of the profile.

Type: Timestamp

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
**ProfilingGroupDescription**

The description of a profiling group.

**Contents**

`agentOrchestrationConfig`

Type: `AgentOrchestrationConfig` object (p. 28)

Required: No

`arn`

The Amazon Resource Name (ARN) identifying the profiling group.

Type: String

Required: No

`createdAt`

The time, in milliseconds since the epoch, when the profiling group was created.

Type: Timestamp

Required: No

`name`

The name of the profiling group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `^[\w-]+$`

Required: No

`profilingStatus`

The status of the profiling group.

Type: `ProfilingStatus` object (p. 33)

Required: No

`updatedAt`

The time, in milliseconds since the epoch, when the profiling group was last updated.

Type: Timestamp

Required: No

**See Also**

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

- AWS SDK for C++
Amazon CodeGuru Profiler API Reference

See Also

- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
ProfilingStatus

Information about the profiling status.

Contents

latestAgentOrchestratedAt

The time, in milliseconds since the epoch, when the latest agent was orchestrated.

Type: Timestamp

Required: No

latestAgentProfileReportedAt

The time, in milliseconds since the epoch, when the latest agent was reported.

Type: Timestamp

Required: No

latestAggregatedProfile

The latest aggregated profile

Type: AggregatedProfileTime (p. 29) object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for Ruby V3
Common Parameters

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

**Action**

The action to be performed.

Type: string

Required: Yes

**Version**

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

Type: string

Required: Yes

**X-Amz-Algorithm**

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

**X-Amz-Credential**

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

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

Type: string

**X-Amz-Date**

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

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is
not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Handling Dates in Signature Version 4 in the Amazon Web Services General Reference.

Type: string
Required: Conditional

X-Amz-Security-Token

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

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

Type: string
Required: Conditional

X-Amz-Signature

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

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

Type: string
Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string
Required: Conditional
Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400
**MissingAuthenticationToken**

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

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**OptInRequired**

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

HTTP Status Code: 403

**RequestExpired**

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

HTTP Status Code: 400

**ServiceUnavailable**

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

HTTP Status Code: 503

**ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

**ValidationError**

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

HTTP Status Code: 400