
AWS Support
API Reference
API Version 2013-04-15



AWS Support: API Reference

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Table of Contents

Welcome	1
Actions	2
AddAttachmentsToSet	3
Request Syntax	3
Request Parameters	3
Response Syntax	3
Response Elements	3
Errors	4
See Also	4
AddCommunicationToCase	6
Request Syntax	6
Request Parameters	6
Response Syntax	6
Response Elements	7
Errors	7
See Also	7
CreateCase	9
Request Syntax	9
Request Parameters	10
Response Syntax	11
Response Elements	11
Errors	11
See Also	12
DescribeAttachment	13
Request Syntax	13
Request Parameters	13
Response Syntax	13
Response Elements	13
Errors	13
See Also	14
DescribeCases	15
Request Syntax	15
Request Parameters	15
Response Syntax	16
Response Elements	17
Errors	17
See Also	17
DescribeCommunications	19
Request Syntax	19
Request Parameters	19
Response Syntax	20
Response Elements	20
Errors	20
See Also	21
DescribeServices	22
Request Syntax	22
Request Parameters	22
Response Syntax	22
Response Elements	23
Errors	23
See Also	23
DescribeSeverityLevels	24
Request Syntax	24
Request Parameters	24

Response Syntax	24
Response Elements	24
Errors	24
See Also	25
DescribeTrustedAdvisorCheckRefreshStatuses	26
Request Syntax	26
Request Parameters	26
Response Syntax	26
Response Elements	26
Errors	27
See Also	27
DescribeTrustedAdvisorCheckResult	28
Request Syntax	28
Request Parameters	28
Response Syntax	28
Response Elements	29
Errors	29
See Also	29
DescribeTrustedAdvisorChecks	31
Request Syntax	31
Request Parameters	31
Response Syntax	31
Response Elements	31
Errors	32
See Also	32
DescribeTrustedAdvisorCheckSummaries	33
Request Syntax	33
Request Parameters	33
Response Syntax	33
Response Elements	33
Errors	34
See Also	34
RefreshTrustedAdvisorCheck	35
Request Syntax	35
Request Parameters	35
Response Syntax	35
Response Elements	35
Errors	36
See Also	36
ResolveCase	37
Request Syntax	37
Request Parameters	37
Response Syntax	37
Response Elements	37
Errors	37
See Also	38
Data Types	39
Attachment	40
Contents	40
See Also	40
AttachmentDetails	41
Contents	41
See Also	41
CaseDetails	42
Contents	42
See Also	43
Category	44

Contents	44
See Also	44
Communication	45
Contents	45
See Also	45
RecentCaseCommunications	46
Contents	46
See Also	46
Service	47
Contents	47
See Also	47
SeverityLevel	48
Contents	48
See Also	48
TrustedAdvisorCategorySpecificSummary	49
Contents	49
See Also	49
TrustedAdvisorCheckDescription	50
Contents	50
See Also	50
TrustedAdvisorCheckRefreshStatus	51
Contents	51
See Also	51
TrustedAdvisorCheckResult	52
Contents	52
See Also	52
TrustedAdvisorCheckSummary	53
Contents	53
See Also	53
TrustedAdvisorCostOptimizingSummary	54
Contents	54
See Also	54
TrustedAdvisorResourceDetail	55
Contents	55
See Also	55
TrustedAdvisorResourcesSummary	56
Contents	56
See Also	56
Common Parameters	57
Common Errors	59

Welcome

The AWS Support API reference is intended for programmers who need detailed information about the AWS Support operations and data types. This service enables you to manage your AWS Support cases programmatically. It uses HTTP methods that return results in JSON format.

The AWS Support service also exposes a set of [Trusted Advisor](#) features. You can retrieve a list of checks and their descriptions, get check results, specify checks to refresh, and get the refresh status of checks.

The following list describes the AWS Support case management operations:

- **Service names, issue categories, and available severity levels.** The [DescribeServices \(p. 22\)](#) and [DescribeSeverityLevels \(p. 24\)](#) operations return AWS service names, service codes, service categories, and problem severity levels. You use these values when you call the [CreateCase \(p. 9\)](#) operation.
- **Case creation, case details, and case resolution.** The [CreateCase \(p. 9\)](#), [DescribeCases \(p. 15\)](#), [DescribeAttachment \(p. 13\)](#), and [ResolveCase \(p. 37\)](#) operations create AWS Support cases, retrieve information about cases, and resolve cases.
- **Case communication.** The [DescribeCommunications \(p. 19\)](#), [AddCommunicationToCase \(p. 6\)](#), and [AddAttachmentsToSet \(p. 3\)](#) operations retrieve and add communications and attachments to AWS Support cases.

The following list describes the operations available from the AWS Support service for Trusted Advisor:

- [DescribeTrustedAdvisorChecks \(p. 31\)](#) returns the list of checks that run against your AWS resources.
- Using the `checkId` for a specific check returned by [DescribeTrustedAdvisorChecks \(p. 31\)](#), you can call [DescribeTrustedAdvisorCheckResult \(p. 28\)](#) to obtain the results for the check you specified.
- [DescribeTrustedAdvisorCheckSummaries \(p. 33\)](#) returns summarized results for one or more Trusted Advisor checks.
- [RefreshTrustedAdvisorCheck \(p. 35\)](#) requests that Trusted Advisor rerun a specified check.
- [DescribeTrustedAdvisorCheckRefreshStatuses \(p. 26\)](#) reports the refresh status of one or more checks.

For authentication of requests, AWS Support uses [Signature Version 4 Signing Process](#).

See [About the AWS Support API](#) in the *AWS Support User Guide* for information about how to use this service to create and manage your support cases, and how to call Trusted Advisor for results of checks on your resources.

This document was last published on October 18, 2018.

Actions

The following actions are supported:

- [AddAttachmentsToSet](#) (p. 3)
- [AddCommunicationToCase](#) (p. 6)
- [CreateCase](#) (p. 9)
- [DescribeAttachment](#) (p. 13)
- [DescribeCases](#) (p. 15)
- [DescribeCommunications](#) (p. 19)
- [DescribeServices](#) (p. 22)
- [DescribeSeverityLevels](#) (p. 24)
- [DescribeTrustedAdvisorCheckRefreshStatuses](#) (p. 26)
- [DescribeTrustedAdvisorCheckResult](#) (p. 28)
- [DescribeTrustedAdvisorChecks](#) (p. 31)
- [DescribeTrustedAdvisorCheckSummaries](#) (p. 33)
- [RefreshTrustedAdvisorCheck](#) (p. 35)
- [ResolveCase](#) (p. 37)

AddAttachmentsToSet

Adds one or more attachments to an attachment set. If an `attachmentSetId` is not specified, a new attachment set is created, and the ID of the set is returned in the response. If an `attachmentSetId` is specified, the attachments are added to the specified set, if it exists.

An attachment set is a temporary container for attachments that are to be added to a case or case communication. The set is available for one hour after it is created; the `expiryTime` returned in the response indicates when the set expires. The maximum number of attachments in a set is 3, and the maximum size of any attachment in the set is 5 MB.

Request Syntax

```
{
  "attachments": [
    {
      "data": blob,
      "fileName": "string"
    }
  ],
  "attachmentSetId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

attachments (p. 3)

One or more attachments to add to the set. The limit is 3 attachments per set, and the size limit is 5 MB per attachment.

Type: Array of [Attachment](#) (p. 40) objects

attachmentSetId (p. 3)

The ID of the attachment set. If an `attachmentSetId` is not specified, a new attachment set is created, and the ID of the set is returned in the response. If an `attachmentSetId` is specified, the attachments are added to the specified set, if it exists.

Type: String

Response Syntax

```
{
  "attachmentSetId": "string",
  "expiryTime": "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.

attachmentSetId (p. 3)

The ID of the attachment set. If an `attachmentSetId` was not specified, a new attachment set is created, and the ID of the set is returned in the response. If an `attachmentSetId` was specified, the attachments are added to the specified set, if it exists.

Type: String

expiryTime (p. 3)

The time and date when the attachment set expires.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

AttachmentLimitExceeded

The limit for the number of attachment sets created in a short period of time has been exceeded.

HTTP Status Code: 400

AttachmentSetExpired

The expiration time of the attachment set has passed. The set expires 1 hour after it is created.

HTTP Status Code: 400

AttachmentSetIdNotFound

An attachment set with the specified ID could not be found.

HTTP Status Code: 400

AttachmentSetSizeLimitExceeded

A limit for the size of an attachment set has been exceeded. The limits are 3 attachments and 5 MB per attachment.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

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

AddCommunicationToCase

Adds additional customer communication to an AWS Support case. You use the `caseId` value to identify the case to add communication to. You can list a set of email addresses to copy on the communication using the `ccEmailAddresses` value. The `communicationBody` value contains the text of the communication.

The response indicates the success or failure of the request.

This operation implements a subset of the features of the AWS Support Center.

Request Syntax

```
{
  "attachmentSetId": "string",
  "caseId": "string",
  "ccEmailAddresses": [ "string" ],
  "communicationBody": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

attachmentSetId (p. 6)

The ID of a set of one or more attachments for the communication to add to the case. Create the set by calling [AddAttachmentsToSet \(p. 3\)](#)

Type: String

caseId (p. 6)

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

ccEmailAddresses (p. 6)

The email addresses in the CC line of an email to be added to the support case.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

communicationBody (p. 6)

The body of an email communication to add to the support case.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

Response Syntax

```
{
```

```
"result": 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.

result (p. 6)

True if [AddCommunicationToCase](#) (p. 6) succeeds. Otherwise, returns an error.

Type: Boolean

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 59).

AttachmentSetExpired

The expiration time of the attachment set has passed. The set expires 1 hour after it is created.

HTTP Status Code: 400

AttachmentSetIdNotFound

An attachment set with the specified ID could not be found.

HTTP Status Code: 400

CaseIdNotFound

The requested `caseId` could not be located.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

CreateCase

Creates a new case in the AWS Support Center. This operation is modeled on the behavior of the AWS Support Center [Create Case](#) page. Its parameters require you to specify the following information:

- **issueType.** The type of issue for the case. You can specify either "customer-service" or "technical." If you do not indicate a value, the default is "technical."

Note

Service limit increases are not supported by the Support API; you must submit service limit increase requests in [Support Center](#).

- **serviceCode.** The code for an AWS service. You can get the possible `serviceCode` values by calling [DescribeServices](#) (p. 22).
- **categoryCode.** The category for the service defined for the `serviceCode` value. You also get the category code for a service by calling [DescribeServices](#) (p. 22). Each AWS service defines its own set of category codes.
- **severityCode.** A value that indicates the urgency of the case, which in turn determines the response time according to your service level agreement with AWS Support. You can get the possible `severityCode` values by calling [DescribeSeverityLevels](#) (p. 24). For more information about the meaning of the codes, see [SeverityLevel](#) (p. 48) and [Choosing a Severity](#).
- **subject.** The **Subject** field on the AWS Support Center [Create Case](#) page.
- **communicationBody.** The **Description** field on the AWS Support Center [Create Case](#) page.
- **attachmentSetId.** The ID of a set of attachments that has been created by using [AddAttachmentsToSet](#) (p. 3).
- **language.** The human language in which AWS Support handles the case. English and Japanese are currently supported.
- **ccEmailAddresses.** The AWS Support Center **CC** field on the [Create Case](#) page. You can list email addresses to be copied on any correspondence about the case. The account that opens the case is already identified by passing the AWS Credentials in the HTTP POST method or in a method or function call from one of the programming languages supported by an [AWS SDK](#).

Note

To add additional communication or attachments to an existing case, use [AddCommunicationToCase](#) (p. 6).

A successful [CreateCase](#) (p. 9) request returns an AWS Support case number. Case numbers are used by the [DescribeCases](#) (p. 15) operation to retrieve existing AWS Support cases.

Request Syntax

```
{
  "attachmentSetId": "string",
  "categoryCode": "string",
  "ccEmailAddresses": [ "string" ],
  "communicationBody": "string",
  "issueType": "string",
  "language": "string",
  "serviceCode": "string",
  "severityCode": "string",
  "subject": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

attachmentSetId (p. 9)

The ID of a set of one or more attachments for the case. Create the set by using [AddAttachmentsToSet \(p. 3\)](#).

Type: String

categoryCode (p. 9)

The category of problem for the AWS Support case.

Type: String

ccEmailAddresses (p. 9)

A list of email addresses that AWS Support copies on case correspondence.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

communicationBody (p. 9)

The communication body text when you create an AWS Support case by calling [CreateCase \(p. 9\)](#).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

issueType (p. 9)

The type of issue for the case. You can specify either "customer-service" or "technical." If you do not indicate a value, the default is "technical."

Note

Service limit increases are not supported by the Support API; you must submit service limit increase requests in [Support Center](#).

Type: String

language (p. 9)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

serviceCode (p. 9)

The code for the AWS service returned by the call to [DescribeServices \(p. 22\)](#).

Type: String

severityCode (p. 9)

The code for the severity level returned by the call to [DescribeSeverityLevels \(p. 24\)](#).

Note

The availability of severity levels depends on the support plan for the account.

Type: String

subject (p. 9)

The title of the AWS Support case.

Type: String

Response Syntax

```
{  
  "caseId": "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.

caseId (p. 11)

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

AttachmentSetExpired

The expiration time of the attachment set has passed. The set expires 1 hour after it is created.

HTTP Status Code: 400

AttachmentSetIdNotFound

An attachment set with the specified ID could not be found.

HTTP Status Code: 400

CaseCreationLimitExceeded

The case creation limit for the account has been exceeded.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeAttachment

Returns the attachment that has the specified ID. Attachment IDs are generated by the case management system when you add an attachment to a case or case communication. Attachment IDs are returned in the [AttachmentDetails \(p. 41\)](#) objects that are returned by the [DescribeCommunications \(p. 19\)](#) operation.

Request Syntax

```
{  
  "attachmentId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

attachmentId (p. 13)

The ID of the attachment to return. Attachment IDs are returned by the [DescribeCommunications \(p. 19\)](#) operation.

Type: String

Response Syntax

```
{  
  "attachment": {  
    "data": blob,  
    "fileName": "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.

attachment (p. 13)

The attachment content and file name.

Type: [Attachment \(p. 40\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

AttachmentIdNotFound

An attachment with the specified ID could not be found.

HTTP Status Code: 400

DescribeAttachmentLimitExceeded

The limit for the number of [DescribeAttachment \(p. 13\)](#) requests in a short period of time has been exceeded.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeCases

Returns a list of cases that you specify by passing one or more case IDs. In addition, you can filter the cases by date by setting values for the `afterTime` and `beforeTime` request parameters. You can set values for the `includeResolvedCases` and `includeCommunications` request parameters to control how much information is returned.

Case data is available for 12 months after creation. If a case was created more than 12 months ago, a request for data might cause an error.

The response returns the following in JSON format:

- One or more [CaseDetails](#) (p. 42) data types.
- One or more `nextToken` values, which specify where to paginate the returned records represented by the `CaseDetails` objects.

Request Syntax

```
{
  "afterTime": "string",
  "beforeTime": "string",
  "caseIdList": [ "string" ],
  "displayId": "string",
  "includeCommunications": boolean,
  "includeResolvedCases": boolean,
  "language": "string",
  "maxResults": number,
  "nextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

`afterTime` (p. 15)

The start date for a filtered date search on support case communications. Case communications are available for 12 months after creation.

Type: String

`beforeTime` (p. 15)

The end date for a filtered date search on support case communications. Case communications are available for 12 months after creation.

Type: String

`caseIdList` (p. 15)

A list of ID numbers of the support cases you want returned. The maximum number of cases is 100.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

displayId (p. 15)

The ID displayed for a case in the AWS Support Center user interface.

Type: String

includeCommunications (p. 15)

Specifies whether communications should be included in the [DescribeCases \(p. 15\)](#) results. The default is *true*.

Type: Boolean

includeResolvedCases (p. 15)

Specifies whether resolved support cases should be included in the [DescribeCases \(p. 15\)](#) results. The default is *false*.

Type: Boolean

language (p. 15)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

maxResults (p. 15)

The maximum number of results to return before paginating.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

nextToken (p. 15)

A resumption point for pagination.

Type: String

Response Syntax

```
{
  "cases": [
    {
      "caseId": "string",
      "categoryCode": "string",
      "ccEmailAddresses": [ "string" ],
      "displayId": "string",
      "language": "string",
      "recentCommunications": {
        "communications": [
          {
            "attachmentSet": [
              {
                "attachmentId": "string",
                "fileName": "string"
              }
            ],
            "body": "string",
            "caseId": "string",
            "submittedBy": "string",
```

```
        "timeCreated": "string"
      }
    ],
    "nextToken": "string"
  },
  "serviceCode": "string",
  "severityCode": "string",
  "status": "string",
  "subject": "string",
  "submittedBy": "string",
  "timeCreated": "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.

cases (p. 16)

The details for the cases that match the request.

Type: Array of [CaseDetails](#) (p. 42) objects

nextToken (p. 16)

A resumption point for pagination.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 59).

CaseIdNotFound

The requested `caseId` could not be located.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

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

DescribeCommunications

Returns communications (and attachments) for one or more support cases. You can use the `afterTime` and `beforeTime` parameters to filter by date. You can use the `caseId` parameter to restrict the results to a particular case.

Case data is available for 12 months after creation. If a case was created more than 12 months ago, a request for data might cause an error.

You can use the `maxResults` and `nextToken` parameters to control the pagination of the result set. Set `maxResults` to the number of cases you want displayed on each page, and use `nextToken` to specify the resumption of pagination.

Request Syntax

```
{  
  "afterTime": "string",  
  "beforeTime": "string",  
  "caseId": "string",  
  "maxResults": number,  
  "nextToken": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

afterTime (p. 19)

The start date for a filtered date search on support case communications. Case communications are available for 12 months after creation.

Type: String

beforeTime (p. 19)

The end date for a filtered date search on support case communications. Case communications are available for 12 months after creation.

Type: String

caseId (p. 19)

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

maxResults (p. 19)

The maximum number of results to return before paginating.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

[nextToken \(p. 19\)](#)

A resumption point for pagination.

Type: String

Response Syntax

```
{
  "communications": [
    {
      "attachmentSet": [
        {
          "attachmentId": "string",
          "fileName": "string"
        }
      ],
      "body": "string",
      "caseId": "string",
      "submittedBy": "string",
      "timeCreated": "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.

[communications \(p. 20\)](#)

The communications for the case.

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

[nextToken \(p. 20\)](#)

A resumption point for pagination.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

CaseIdNotFound

The requested `caseId` could not be located.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeServices

Returns the current list of AWS services and a list of service categories that applies to each one. You then use service names and categories in your [CreateCase \(p. 9\)](#) requests. Each AWS service has its own set of categories.

The service codes and category codes correspond to the values that are displayed in the **Service** and **Category** drop-down lists on the AWS Support Center [Create Case](#) page. The values in those fields, however, do not necessarily match the service codes and categories returned by the `DescribeServices` request. Always use the service codes and categories obtained programmatically. This practice ensures that you always have the most recent set of service and category codes.

Request Syntax

```
{
  "language": "string",
  "serviceCodeList": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

[language \(p. 22\)](#)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

[serviceCodeList \(p. 22\)](#)

A JSON-formatted list of service codes available for AWS services.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Response Syntax

```
{
  "services": [
    {
      "categories": [
        {
          "code": "string",
          "name": "string"
        }
      ],
      "code": "string",
      "name": "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.

services (p. 22)

A JSON-formatted list of AWS services.

Type: Array of [Service](#) (p. 47) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 59).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeSeverityLevels

Returns the list of severity levels that you can assign to an AWS Support case. The severity level for a case is also a field in the [CaseDetails](#) (p. 42) data type included in any [CreateCase](#) (p. 9) request.

Request Syntax

```
{  
  "language": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

[language](#) (p. 24)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

Response Syntax

```
{  
  "severityLevels": [  
    {  
      "code": "string",  
      "name": "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.

[severityLevels](#) (p. 24)

The available severity levels for the support case. Available severity levels are defined by your service level agreement with AWS.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 59).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeTrustedAdvisorCheckRefreshStatuses

Returns the refresh status of the Trusted Advisor checks that have the specified check IDs. Check IDs can be obtained by calling [DescribeTrustedAdvisorChecks](#) (p. 31).

Note

Some checks are refreshed automatically, and their refresh statuses cannot be retrieved by using this operation. Use of the `DescribeTrustedAdvisorCheckRefreshStatuses` operation for these checks causes an `InvalidParameterValue` error.

Request Syntax

```
{
  "checkIds": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

`checkIds` (p. 26)

The IDs of the Trusted Advisor checks to get the status of. **Note:** Specifying the check ID of a check that is automatically refreshed causes an `InvalidParameterValue` error.

Type: Array of strings

Response Syntax

```
{
  "statuses": [
    {
      "checkId": "string",
      "millisUntilNextRefreshable": number,
      "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.

`statuses` (p. 26)

The refresh status of the specified Trusted Advisor checks.

Type: Array of [TrustedAdvisorCheckRefreshStatus](#) (p. 51) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeTrustedAdvisorCheckResult

Returns the results of the Trusted Advisor check that has the specified check ID. Check IDs can be obtained by calling [DescribeTrustedAdvisorChecks](#) (p. 31).

The response contains a [TrustedAdvisorCheckResult](#) (p. 52) object, which contains these three objects:

- [TrustedAdvisorCategorySpecificSummary](#) (p. 49)
- [TrustedAdvisorResourceDetail](#) (p. 55)
- [TrustedAdvisorResourcesSummary](#) (p. 56)

In addition, the response contains these fields:

- **status.** The alert status of the check: "ok" (green), "warning" (yellow), "error" (red), or "not_available".
- **timestamp.** The time of the last refresh of the check.
- **checkId.** The unique identifier for the check.

Request Syntax

```
{
  "checkId": "string",
  "language": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

checkId (p. 28)

The unique identifier for the Trusted Advisor check.

Type: String

language (p. 28)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

Response Syntax

```
{
  "result": {
    "categorySpecificSummary": {
      "costOptimizing": {
        "estimatedMonthlySavings": number,
        "estimatedPercentMonthlySavings": number
      }
    }
  }
}
```

```
    }  
  },  
  "checkId": "string",  
  "flaggedResources": [  
    {  
      "isSuppressed": boolean,  
      "metadata": [ "string" ],  
      "region": "string",  
      "resourceId": "string",  
      "status": "string"  
    }  
  ],  
  "resourcesSummary": {  
    "resourcesFlagged": number,  
    "resourcesIgnored": number,  
    "resourcesProcessed": number,  
    "resourcesSuppressed": number  
  },  
  "status": "string",  
  "timestamp": "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.

result (p. 28)

The detailed results of the Trusted Advisor check.

Type: [TrustedAdvisorCheckResult \(p. 52\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

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

DescribeTrustedAdvisorChecks

Returns information about all available Trusted Advisor checks, including name, ID, category, description, and metadata. You must specify a language code; English ("en") and Japanese ("ja") are currently supported. The response contains a [TrustedAdvisorCheckDescription \(p. 50\)](#) for each check.

Request Syntax

```
{  
  "language": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

language (p. 31)

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

Response Syntax

```
{  
  "checks": [  
    {  
      "category": "string",  
      "description": "string",  
      "id": "string",  
      "metadata": [ "string" ],  
      "name": "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.

checks (p. 31)

Information about all available Trusted Advisor checks.

Type: Array of [TrustedAdvisorCheckDescription \(p. 50\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

DescribeTrustedAdvisorCheckSummaries

Returns the summaries of the results of the Trusted Advisor checks that have the specified check IDs. Check IDs can be obtained by calling [DescribeTrustedAdvisorChecks](#) (p. 31).

The response contains an array of [TrustedAdvisorCheckSummary](#) (p. 53) objects.

Request Syntax

```
{  
  "checkIds": [ "string" ]  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

[checkIds](#) (p. 33)

The IDs of the Trusted Advisor checks.

Type: Array of strings

Response Syntax

```
{  
  "summaries": [  
    {  
      "categorySpecificSummary": {  
        "costOptimizing": {  
          "estimatedMonthlySavings": number,  
          "estimatedPercentMonthlySavings": number  
        }  
      },  
      "checkId": "string",  
      "hasFlaggedResources": boolean,  
      "resourcesSummary": {  
        "resourcesFlagged": number,  
        "resourcesIgnored": number,  
        "resourcesProcessed": number,  
        "resourcesSuppressed": number  
      },  
      "status": "string",  
      "timestamp": "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.

[summaries \(p. 33\)](#)

The summary information for the requested Trusted Advisor checks.

Type: Array of [TrustedAdvisorCheckSummary \(p. 53\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

RefreshTrustedAdvisorCheck

Requests a refresh of the Trusted Advisor check that has the specified check ID. Check IDs can be obtained by calling [DescribeTrustedAdvisorChecks](#) (p. 31).

Note

Some checks are refreshed automatically, and they cannot be refreshed by using this operation. Use of the `RefreshTrustedAdvisorCheck` operation for these checks causes an `InvalidParameterValue` error.

The response contains a [TrustedAdvisorCheckRefreshStatus](#) (p. 51) object, which contains these fields:

- **status.** The refresh status of the check: "none", "enqueued", "processing", "success", or "abandoned".
- **millisUntilNextRefreshable.** The amount of time, in milliseconds, until the check is eligible for refresh.
- **checkId.** The unique identifier for the check.

Request Syntax

```
{  
  "checkId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters](#) (p. 57).

The request accepts the following data in JSON format.

[checkId](#) (p. 35)

The unique identifier for the Trusted Advisor check to refresh. **Note:** Specifying the check ID of a check that is automatically refreshed causes an `InvalidParameterValue` error.

Type: String

Response Syntax

```
{  
  "status": {  
    "checkId": "string",  
    "millisUntilNextRefreshable": number,  
    "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.

[status \(p. 35\)](#)

The current refresh status for a check, including the amount of time until the check is eligible for refresh.

Type: [TrustedAdvisorCheckRefreshStatus \(p. 51\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

ResolveCase

Takes a `caseId` and returns the initial state of the case along with the state of the case after the call to [ResolveCase \(p. 37\)](#) completed.

Request Syntax

```
{  
  "caseId": "string"  
}
```

Request Parameters

For information about the parameters that are common to all actions, see [Common Parameters \(p. 57\)](#).

The request accepts the following data in JSON format.

caseId (p. 37)

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

Response Syntax

```
{  
  "finalCaseStatus": "string",  
  "initialCaseStatus": "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.

finalCaseStatus (p. 37)

The status of the case after the [ResolveCase \(p. 37\)](#) request was processed.

Type: String

initialCaseStatus (p. 37)

The status of the case when the [ResolveCase \(p. 37\)](#) request was sent.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 59\)](#).

CaseIdNotFound

The requested `caseId` could not be located.

HTTP Status Code: 400

InternalServerError

An internal server error occurred.

HTTP Status Code: 500

See Also

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

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

- [Attachment](#) (p. 40)
- [AttachmentDetails](#) (p. 41)
- [CaseDetails](#) (p. 42)
- [Category](#) (p. 44)
- [Communication](#) (p. 45)
- [RecentCaseCommunications](#) (p. 46)
- [Service](#) (p. 47)
- [SeverityLevel](#) (p. 48)
- [TrustedAdvisorCategorySpecificSummary](#) (p. 49)
- [TrustedAdvisorCheckDescription](#) (p. 50)
- [TrustedAdvisorCheckRefreshStatus](#) (p. 51)
- [TrustedAdvisorCheckResult](#) (p. 52)
- [TrustedAdvisorCheckSummary](#) (p. 53)
- [TrustedAdvisorCostOptimizingSummary](#) (p. 54)
- [TrustedAdvisorResourceDetail](#) (p. 55)
- [TrustedAdvisorResourcesSummary](#) (p. 56)

Attachment

An attachment to a case communication. The attachment consists of the file name and the content of the file.

Contents

data

The content of the attachment file.

Type: Base64-encoded binary data object

fileName

The name of the attachment file.

Type: String

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 V2](#)

AttachmentDetails

The file name and ID of an attachment to a case communication. You can use the ID to retrieve the attachment with the [DescribeAttachment](#) (p. 13) operation.

Contents

attachmentId

The ID of the attachment.

Type: String

fileName

The file name of the attachment.

Type: String

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 V2](#)

CaseDetails

A JSON-formatted object that contains the metadata for a support case. It is contained the response from a [DescribeCases](#) (p. 15) request. **CaseDetails** contains the following fields:

- **caseId**. The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`.
- **categoryCode**. The category of problem for the AWS Support case. Corresponds to the `CategoryCode` values returned by a call to [DescribeServices](#) (p. 22).
- **displayId**. The identifier for the case on pages in the AWS Support Center.
- **language**. The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.
- **recentCommunications**. One or more [Communication](#) (p. 45) objects. Fields of these objects are `attachments`, `body`, `caseId`, `submittedBy`, and `timeCreated`.
- **nextToken**. A resumption point for pagination.
- **serviceCode**. The identifier for the AWS service that corresponds to the service code defined in the call to [DescribeServices](#) (p. 22).
- **severityCode**. The severity code assigned to the case. Contains one of the values returned by the call to [DescribeSeverityLevels](#) (p. 24). The possible values are: `low`, `normal`, `high`, `urgent`, and `critical`.
- **status**. The status of the case in the AWS Support Center. The possible values are: `resolved`, `pending-customer-action`, `opened`, `unassigned`, and `work-in-progress`.
- **subject**. The subject line of the case.
- **submittedBy**. The email address of the account that submitted the case.
- **timeCreated**. The time the case was created, in ISO-8601 format.

Contents

caseId

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

categoryCode

The category of problem for the AWS Support case.

Type: String

ccEmailAddresses

The email addresses that receive copies of communication about the case.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

displayId

The ID displayed for the case in the AWS Support Center. This is a numeric string.

Type: String

language

The ISO 639-1 code for the language in which AWS provides support. AWS Support currently supports English ("en") and Japanese ("ja"). Language parameters must be passed explicitly for operations that take them.

Type: String

recentCommunications

The five most recent communications between you and AWS Support Center, including the IDs of any attachments to the communications. Also includes a `nextToken` that you can use to retrieve earlier communications.

Type: [RecentCaseCommunications \(p. 46\)](#) object

serviceCode

The code for the AWS service. You can get a list of codes and the corresponding service names by calling [DescribeServices \(p. 22\)](#).

Type: String

severityCode

The code for the severity level returned by the call to [DescribeSeverityLevels \(p. 24\)](#).

Type: String

status

The status of the case. Valid values: `resolved` | `pending-customer-action` | `opened` | `unassigned` | `work-in-progress`.

Type: String

subject

The subject line for the case in the AWS Support Center.

Type: String

submittedBy

The email address of the account that submitted the case.

Type: String

timeCreated

The time that the case was case created in the AWS Support Center.

Type: String

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 V2](#)

Category

A JSON-formatted name/value pair that represents the category name and category code of the problem, selected from the [DescribeServices \(p. 22\)](#) response for each AWS service.

Contents

code

The category code for the support case.

Type: String

name

The category name for the support case.

Type: String

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 V2](#)

Communication

A communication associated with an AWS Support case. The communication consists of the case ID, the message body, attachment information, the account email address, and the date and time of the communication.

Contents

attachmentSet

Information about the attachments to the case communication.

Type: Array of [AttachmentDetails \(p. 41\)](#) objects

body

The text of the communication between the customer and AWS Support.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 8000.

caseId

The AWS Support case ID requested or returned in the call. The case ID is an alphanumeric string formatted as shown in this example: `case-12345678910-2013-c4c1d2bf33c5cf47`

Type: String

submittedBy

The email address of the account that submitted the AWS Support case.

Type: String

timeCreated

The time the communication was created.

Type: String

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 V2](#)

RecentCaseCommunications

The five most recent communications associated with the case.

Contents

communications

The five most recent communications associated with the case.

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

nextToken

A resumption point for pagination.

Type: String

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 V2](#)

Service

Information about an AWS service returned by the [DescribeServices \(p. 22\)](#) operation.

Contents

categories

A list of categories that describe the type of support issue a case describes. Categories consist of a category name and a category code. Category names and codes are passed to AWS Support when you call [CreateCase \(p. 9\)](#).

Type: Array of [Category \(p. 44\)](#) objects

code

The code for an AWS service returned by the [DescribeServices \(p. 22\)](#) response. The `name` element contains the corresponding friendly name.

Type: String

name

The friendly name for an AWS service. The `code` element contains the corresponding code.

Type: String

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 V2](#)

SeverityLevel

A code and name pair that represents the severity level of a support case. The available values depend on the support plan for the account. For more information, see [Choosing a Severity](#).

Contents

code

The code for case severity level.

Valid values: `low` | `normal` | `high` | `urgent` | `critical`

Type: String

name

The name of the severity level that corresponds to the severity level code.

Note

The values returned by the API differ from the values that are displayed in the AWS Support Center. For example, for the code "low", the API name is "Low", but the name in the Support Center is "General guidance". These are the Support Center code/name mappings:

- `low`: General guidance
- `normal`: System impaired
- `high`: Production system impaired
- `urgent`: Production system down
- `critical`: Business-critical system down

For more information, see [Choosing a Severity](#)

Type: String

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 V2](#)

TrustedAdvisorCategorySpecificSummary

The container for summary information that relates to the category of the Trusted Advisor check.

Contents

costOptimizing

The summary information about cost savings for a Trusted Advisor check that is in the Cost Optimizing category.

Type: [TrustedAdvisorCostOptimizingSummary](#) (p. 54) object

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 V2](#)

TrustedAdvisorCheckDescription

The description and metadata for a Trusted Advisor check.

Contents

category

The category of the Trusted Advisor check.

Type: String

description

The description of the Trusted Advisor check, which includes the alert criteria and recommended actions (contains HTML markup).

Type: String

id

The unique identifier for the Trusted Advisor check.

Type: String

metadata

The column headings for the data returned by the Trusted Advisor check. The order of the headings corresponds to the order of the data in the **Metadata** element of the [TrustedAdvisorResourceDetail \(p. 55\)](#) for the check. **Metadata** contains all the data that is shown in the Excel download, even in those cases where the UI shows just summary data.

Type: Array of strings

name

The display name for the Trusted Advisor check.

Type: String

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 V2](#)

TrustedAdvisorCheckRefreshStatus

The refresh status of a Trusted Advisor check.

Contents

checkId

The unique identifier for the Trusted Advisor check.

Type: String

millisUntilNextRefreshable

The amount of time, in milliseconds, until the Trusted Advisor check is eligible for refresh.

Type: Long

status

The status of the Trusted Advisor check for which a refresh has been requested: "none", "enqueued", "processing", "success", or "abandoned".

Type: String

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 V2](#)

TrustedAdvisorCheckResult

The results of a Trusted Advisor check returned by [DescribeTrustedAdvisorCheckResult](#) (p. 28).

Contents

categorySpecificSummary

Summary information that relates to the category of the check. Cost Optimizing is the only category that is currently supported.

Type: [TrustedAdvisorCategorySpecificSummary](#) (p. 49) object

checkId

The unique identifier for the Trusted Advisor check.

Type: String

flaggedResources

The details about each resource listed in the check result.

Type: Array of [TrustedAdvisorResourceDetail](#) (p. 55) objects

resourcesSummary

Details about AWS resources that were analyzed in a call to Trusted Advisor [DescribeTrustedAdvisorCheckSummaries](#) (p. 33).

Type: [TrustedAdvisorResourcesSummary](#) (p. 56) object

status

The alert status of the check: "ok" (green), "warning" (yellow), "error" (red), or "not_available".

Type: String

timestamp

The time of the last refresh of the check.

Type: String

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 V2](#)

TrustedAdvisorCheckSummary

A summary of a Trusted Advisor check result, including the alert status, last refresh, and number of resources examined.

Contents

categorySpecificSummary

Summary information that relates to the category of the check. Cost Optimizing is the only category that is currently supported.

Type: [TrustedAdvisorCategorySpecificSummary \(p. 49\)](#) object

checkId

The unique identifier for the Trusted Advisor check.

Type: String

hasFlaggedResources

Specifies whether the Trusted Advisor check has flagged resources.

Type: Boolean

resourcesSummary

Details about AWS resources that were analyzed in a call to Trusted Advisor [DescribeTrustedAdvisorCheckSummaries \(p. 33\)](#).

Type: [TrustedAdvisorResourcesSummary \(p. 56\)](#) object

status

The alert status of the check: "ok" (green), "warning" (yellow), "error" (red), or "not_available".

Type: String

timestamp

The time of the last refresh of the check.

Type: String

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 V2](#)

TrustedAdvisorCostOptimizingSummary

The estimated cost savings that might be realized if the recommended actions are taken.

Contents

estimatedMonthlySavings

The estimated monthly savings that might be realized if the recommended actions are taken.

Type: Double

estimatedPercentMonthlySavings

The estimated percentage of savings that might be realized if the recommended actions are taken.

Type: Double

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 V2](#)

TrustedAdvisorResourceDetail

Contains information about a resource identified by a Trusted Advisor check.

Contents

isSuppressed

Specifies whether the AWS resource was ignored by Trusted Advisor because it was marked as suppressed by the user.

Type: Boolean

metadata

Additional information about the identified resource. The exact metadata and its order can be obtained by inspecting the [TrustedAdvisorCheckDescription](#) (p. 50) object returned by the call to [DescribeTrustedAdvisorChecks](#) (p. 31). **Metadata** contains all the data that is shown in the Excel download, even in those cases where the UI shows just summary data.

Type: Array of strings

region

The AWS region in which the identified resource is located.

Type: String

resourceId

The unique identifier for the identified resource.

Type: String

status

The status code for the resource identified in the Trusted Advisor check.

Type: String

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 V2](#)

TrustedAdvisorResourcesSummary

Details about AWS resources that were analyzed in a call to Trusted Advisor [DescribeTrustedAdvisorCheckSummaries](#) (p. 33).

Contents

resourcesFlagged

The number of AWS resources that were flagged (listed) by the Trusted Advisor check.

Type: Long

resourcesIgnored

The number of AWS resources ignored by Trusted Advisor because information was unavailable.

Type: Long

resourcesProcessed

The number of AWS resources that were analyzed by the Trusted Advisor check.

Type: Long

resourcesSuppressed

The number of AWS resources ignored by Trusted Advisor because they were marked as suppressed by the user.

Type: Long

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 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