aws

Change Management API Reference

AWS Managed Services

API Version 2020-05-21

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AWS Managed Services: Change Management API Reference

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Welcome

The change management API provides operations to create and manage requests for change (RFCs). RFCs can be created, updated, submitted, approved (or rejected), and canceled.

Creating a Request for Change

To create a request for change, begin by calling CreateRfc. After creating the basic RFC and before submitting it, you can add or update information (`Description`, `ExpectedOutcome`, `ImplementationPlan`, `RollbackPlan`, and `WorstCaseScenario`) by using the `UpdateRfc` operation (UpdateRfc).

When all necessary information has been added, use SubmitRfc to activate the RFC.

> **Note**
>
> Although only the change type (`ChangeTypeId` and `ChangeTypeVersion`) and `Title` are required to initially create an RFC, you must provide values for these fields (either in the original CreateRfc call or by using the corresponding `UpdateRfc` (UpdateRfc operation) before calling SubmitRfc:
>
> - `RequestedStartTime` (CreateRfc and `RequestedEndTime`, if you want to schedule the RFC. If scheduling is unimportant, leave off these values and execution begins as soon as the RFC is approved. This is part of a feature known as ASAP, or un-scheduled RFC.
> - `ExecutionParameters` that comply with the JSON `ExecutionInputSchema` of the change type that is associated with the RFC (CreateRfc or UpdateRfc)

For more information and examples, see Change Management in the *AWS Managed Services User Guide*.

Getting information about an RFC

The GetRfc operation shows most of the information about an RFC, including the approval status and execution status.

If an RFC is rejected or canceled, the reason for the action appears in the `RfcReason`.

Service Endpoint

The HTTP endpoint for the Change Management API is:

- https://amscm.us-east-1.amazonaws.com

This document was last published on November 16, 2026.

Actions

The following actions are supported:

- ApproveRfc
- CancelRfc
- CreateRfc
- CreateRfcAttachment
- CreateRfcCorrespondence
- GetChangeTypeVersion
- GetRfc
- GetRfcAttachment
- ListChangeTypeCategories
- ListChangeTypeClassificationSummaries
- ListChangeTypeItems
- ListChangeTypeOperations
- ListChangeTypeSubcategories
- ListChangeTypeVersionSummaries
- ListRestrictedExecutionTimes
- ListRfcAttachmentSummaries
- ListRfcCorrespondences
- ListRfcSummaries
- RejectRfc
- SubmitRfc
- UpdateRestrictedExecutionTimes
- UpdateRfc

ApproveRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Marks the specified RFC as approved.

An RFC with a CT of "Execution mode: Manual" requires approval; rarely it requires customer response, either approval or rejection. If your response is explicitly required, the `Approval Status: CustomerApproval Pending` RFC status is in the RFC execution output, but you receive no other notice. You must explicitly reject or approve the RFC by running this operation or the RejectRfc operation.

Request Syntax

```
{
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RfcId

The unique ID (UUID) of the RFC to approve.

Type: String

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CancelRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Cancels the specified RFC.

Request Syntax

```
{
   "Reason": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Reason

The reason for the cancellation.

If an RFC is rejected or canceled, the reason for the action appears in the `RfcReason`.

Type: String

Required: Yes

RfcId

The unique ID (UUID) of the RFC to cancel.

Type: String

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

HTTP Status Code: 400

See Also

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

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- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Creates a new RFC.

To create a request for change, begin by calling CreateRfc. After creating the basic RFC and before submitting it, you can add or update information (`Description`, `ExpectedOutcome`, `ImplementationPlan`, `RollbackPlan`, and `WorstCaseScenario`) by using the `UpdateRfc` operation (UpdateRfc).

When all necessary information has been added, use SubmitRfc to activate the RFC.

> **Note**
>
> Although only the change type (`ChangeTypeId` and `ChangeTypeVersion`) and `Title` are required to initially create an RFC, you must provide values for these fields (either in the original CreateRfc call or by using the corresponding `UpdateRfc` (UpdateRfc operation) before calling SubmitRfc:
>
> - `RequestedStartTime` (CreateRfc and `RequestedEndTime`, if you want to schedule the RFC. If scheduling is unimportant, leave off these values and execution begins as soon as the RFC is approved. This is part of a feature known as ASAP, or un-scheduled RFC.
> - `ExecutionParameters` that comply with the JSON `ExecutionInputSchema` of the change type that is associated with the RFC (CreateRfc or UpdateRfc)

For more information and examples, see Change Management in the *AWS Managed Services User Guide*.

Request Syntax

```
{
```

```
    "ChangeTypeId": "string",
    "ChangeTypeVersion": "string",
    "Description": "string",
    "ExecutionParameters": "string",
    "ExpectedOutcome": "string",
    "ImplementationPlan": "string",
    "Notification": {
       "Email": {
          "EmailRecipients": [ "string" ]
       }
    },
    "RequestedEndTime": "string",
    "RequestedStartTime": "string",
    "RollbackPlan": "string",
    "Title": "string",
    "WorstCaseScenario": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: Yes

ChangeTypeVersion

The version of the change type for the request; for example, "1.0".

Type: String

Required: Yes

Description

The description of the RFC.

Type: String

Required: No

ExecutionParameters

The parameters that are required to execute the RFC, submitted in JSON format.

Type: String

Required: No

ExpectedOutcome

A description of the effects of the change.

Type: String

Required: No

ImplementationPlan

The actions or steps required to implement the change (for change types that are not automated).

Type: String

Required: No

Notification

Create a notification for an existing RFC.

Type: RfcNotification object

Required: No

RequestedEndTime

The end of the change window, expressed in ISO 8601 format. The default format is the *basic* format (`YYYYMMDDThhmmssZ`). For example, 2017/02/27 at 2:30 PM would be 20170227T143000Z. An RFC does not fail if the requested end time is exceeded.

Type: String

Required: No

RequestedStartTime

The start of the change window, expressed in ISO 8601 format. The default format is the *basic* format (YYYYMMDDThhmmssZ). For example, 2017/02/27 at 2:10 PM would be 20170227T141000Z. For best results, set the requested start time to at least 10 minutes after you expect to submit the automated RFC. For review required change types, you must set a start time that's at least 24 hours after you expect to submit the RFC. Alternatively, you can use the ASAP option, which causes the RFC to execute as soon as it's approved. To use the ASAP option, don't specify a start time. If the RFC doesn't pass syntax or other checks before the requested start time (if one is set), then the RFC is canceled.

Type: String

Required: No

RollbackPlan

The actions or steps required to undo the change.

Type: String

Required: No

Title

A name for the RFC; this is displayed as the subject of the RFC in the AMS console.

Type: String

Required: Yes

WorstCaseScenario

A description of the most unfavorable outcome of the change.

Type: String

Required: No

Response Syntax

```
{
   "RfcId": "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.

RfcId

The unique ID (UUID) of the RFC that was created.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2

- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRfcAttachment

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Create an attachment for an existing RFC.

Request Syntax

```
{
   "Content": blob,
   "FileName": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Content

The content of the RFC attachment, which is binary data.

Type: Base64-encoded binary data object

Required: Yes

FileName

The file name of the RFC attachment.

Type: String

Required: Yes

RfcId

The RFC identifier for an RFC attachment request.

Type: String

Required: Yes

Response Syntax

```
{
   "AttachmentId": "string",
   "RfcId": "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.

AttachmentId

The attachment identifier in an RFC attachment response.

Type: String

RfcId

The RFC identifier in an RFC attachment request.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

HTTP Status Code: 400

ServiceQuotaExceededException

You have exceeded your service quotas.

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateRfcCorrespondence

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Create the correspondence for an RFC.

Request Syntax

```
{
   "AttachmentIds": [ "string" ],
   "Content": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AttachmentIds

The attachment identifiers for an RFC correspondence request.

Type: Array of strings

Required: No

Content

The content for an RFC correspondence request.

Type: String

Required: Yes

RfcId

The RFC identifier for an RFC correspondence request.

Type: String

Required: Yes

Response Syntax

```
{
   "CorrespondenceId": "string",
   "RfcId": "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.

CorrespondenceId

The correspondence identifier in an RFC correspondence response.

Type: String

RfcId

The RFC identifier in an RFC correspondence response.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetChangeTypeVersion

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns information about the specified change type; optionally, you can specify a change type version identifier. By default, the most recent version of the change type is returned.

The information returned includes:

- Execution approval requirements (`ApprovalCondition`)
- Whether execution of the change is automated or manual (`AutomationStatus`)
- Change type deprecation information (`DeprecationMessage` and `DeprecationTime`)
- An estimate of the time required for execution of the change (`ExpectedExecutionDurationInMinutes`)
- The parameters that can be specified for the change (`ExecutionInputSchema`)

For more information and examples, see Understanding Change Types in the *AWS Managed Services User Guide*.

Request Syntax

```
{
   "ChangeTypeId": "string",
   "Locale": "string",
   "Version": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: Yes

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

Version

The version identifier of the change type to return.

> **Note**
>
> If you use the AWS CLI and want to specify a change type version in the request, you must use extra double hyphens (--) to cause the CLI to interpret the `--version` parameter correctly (and not interpret it as a base AWS CLI option). Any base AWS CLI options and parameters (not specific to the AWS Managed Services API), such as `--output` or `--profile`, must appear before the double hyphen. The simplest way to do this is by putting the double hyphens immediately before the `get-change-type-version` command. For example: `aws amscm --output text -- get-change-type-version --version 1.0`
> This special treatment applies only if you specify the parameter on the command line; no special treatment is necessary if you provide parameters in JSON format.

Type: String

Required: No

Response Syntax

```
{
```

```
   "ChangeTypeVersion": {
      "AccessLevel": {
         "Id": "string",
         "Name": "string"
      },
      "ApprovalCondition": {
         "AwsApproval": {
            "Id": "string",
            "Name": "string"
         },
         "CustomerApproval": {
            "Id": "string",
            "Name": "string"
         }
      },
      "AutomationStatus": {
         "Id": "string",
         "Name": "string"
      },
      "ChangeTypeId": "string",
      "CreatedTime": "string",
      "DeprecationMessage": "string",
      "DeprecationTime": "string",
      "ExecutionInputSchema": "string",
      "ExecutionOutputSchema": "string",
      "ExpectedExecutionDurationInMinutes": number,
      "Name": "string",
      "Version": "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.

ChangeTypeVersion

Information about the specified version of the change type.

Type: ChangeTypeVersion object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns information about the specified RFC ID.

Request Syntax

```
{
   "Locale": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

RfcId

The unique ID (UUID) of the RFC

Type: String

Required: Yes

Response Syntax

```
{
   "Rfc": {
      "ActionState": {
         "Id": "string",
         "Name": "string"
      },
      "ActualExecutionTimeRange": {
         "EndTime": "string",
         "StartTime": "string"
      },
      "ApprovalState": {
         "AwsApprovalStatus": {
            "Id": "string",
            "Name": "string"
         },
         "CustomerApprovalStatus": {
            "Id": "string",
            "Name": "string"
         }
      },
      "AutomationStatus": {
         "Id": "string",
         "Name": "string"
      },
      "ChangeTypeId": "string",
      "ChangeTypeVersion": "string",
      "CreatedBy": "string",
      "CreatedTime": "string",
      "Description": "string",
      "ExecutionOutput": "string",
      "ExecutionParameters": "string",
      "ExpectedOutcome": "string",
      "ImplementationPlan": "string",
      "LastCorrespondenceTime": "string",
      "LastModifiedBy": "string",
      "LastModifiedTime": "string",
      "LastSubmittedTime": "string",
      "Notification": {
         "Email": {
            "EmailRecipients": [ "string" ]
         }
```

```
      },
      "RequestedExecutionTimeRange": {
         "EndTime": "string",
         "StartTime": "string"
      },
      "RestrictedExecutionTimesOverride": {
         "Id": "string",
         "Name": "string"
      },
      "RfcId": "string",
      "RollbackPlan": "string",
      "Status": {
         "Id": "string",
         "Name": "string"
      },
      "StatusReason": "string",
      "Title": "string",
      "WorstCaseScenario": "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.

Rfc

Information about the RFC.

Type: Rfc object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetRfcAttachment

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Retrieve the attachment from an RFC.

Request Syntax

```
{
   "AttachmentId": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

AttachmentId

The attachment identifier in an RFC attachment GET request.

Type: String

Required: Yes

RfcId

The RFC identifier in an RFC attachment GET request.

Type: String

Required: Yes

Response Syntax

```
{
   "RfcAttachment": {
      "AttachmentId": "string",
      "Content": blob,
      "ContentLengthInBytes": number,
      "ContentType": "string",
      "CreatedBy": "string",
      "CreatedTime": "string",
      "FileName": "string",
      "RfcId": "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.

RfcAttachment

The RFC attachment in an RFC attachment GET response.

Type: RfcAttachment object

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeCategories

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the available change type category values.

Request Syntax

```
{
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "ChangeTypeCategories": [ "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.

ChangeTypeCategories

The available change type category values.

Type: Array of strings

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeClassificationSummaries

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the classifications (category, subcategory, item, and operation) for all change types that meet the specified (optional) filter criteria.

Request Syntax

```
{
   "Filters": [
      {
         "Attribute": "string",
         "Condition": "string",
         "Value": "string",
         "Values": [ "string" ]
      }
   ],
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

Attribute/value pairs to narrow the results returned. Filter criteria are combined in a logical OR operation, and values that contain spaces are also combined in an OR operation. For example, a `Value` of "read-only access" matches all values that contain "read-only" OR "access". Valid filter attributes: `Category`, `Subcategory`, `Item`, `Operation`, `ChangeTypeId`.

For more information and examples, see Finding a change type, using the query option in the *AWS Managed Services User Guide*.

Type: Array of Filter objects

Required: No

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "ChangeTypeClassificationSummaries": [
      {
         "Category": "string",
         "ChangeTypeId": "string",
         "Item": "string",
```

```
            "Operation": "string",
            "Subcategory": "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.

ChangeTypeClassificationSummaries

The change type classifications that satisfy the filter criteria.

Type: Array of ChangeTypeClassificationSummary objects

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeItems

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the available change type item values for the specified category and subcategory values.

Request Syntax

```
{
   "Category": "string",
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Subcategory": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Category

The change type category value to return the item values for.

Type: String

Required: Yes

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Subcategory

The change type subcategory value to return the item values for.

Type: String

Required: Yes

Response Syntax

```
{
   "ChangeTypeItems": [ "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.

ChangeTypeItems

The change type item values for the specified category and subcategory values.

Type: Array of strings

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2

- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeOperations

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the available change type operation values for the specified category and subcategory values.

Request Syntax

```
{
   "Category": "string",
   "Item": "string",
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string",
   "Subcategory": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Category

The change type category value to return the operation values for.

Type: String

Required: Yes

Item

The change type item values to return the operation values for.

Type: String

Required: Yes

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Subcategory

The change type subcategory values to return the operation values for.

Type: String

Required: Yes

Response Syntax

```
{
   "ChangeTypeOperationSummaries": [
```

```
      {
         "ChangeTypeId": "string",
         "Operation": "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.

ChangeTypeOperationSummaries

The change type operation values for the specified category, subcategory, and item values.

Type: Array of ChangeTypeOperationSummary objects

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeSubcategories

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the available change type subcategory values for the specified category value.

Request Syntax

```
{
   "Category": "string",
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Category

The change type category value to return the subcategory values for.

Type: String

Required: Yes

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "ChangeTypeSubcategories": [ "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.

ChangeTypeSubcategories

The change type subcategory values for the specified category value.

Type: Array of strings

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of

items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListChangeTypeVersionSummaries

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns version information (versions and deprecation times) for the specified change type.

Request Syntax

```
{
   "Filters": [
      {
         "Attribute": "string",
         "Condition": "string",
         "Value": "string",
         "Values": [ "string" ]
      }
   ],
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

The only valid filter attribute is `ChangeTypeId`, and a value is required.

Type: Array of Filter objects

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "ChangeTypeVersionSummaries": [
      {
         "AccessLevel": {
            "Id": "string",
            "Name": "string"
         },
         "AutomationStatus": {
            "Id": "string",
            "Name": "string"
         },
         "ChangeTypeId": "string",
         "CreatedTime": "string",
         "DeprecationTime": "string",
         "Description": "string",
         "Name": "string",
         "Version": "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.

ChangeTypeVersionSummaries

The version information (versions and deprecation times) for the specified change type.

Type: Array of ChangeTypeVersionSummary objects

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRestrictedExecutionTimes

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns the time ranges during which change execution is restricted.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "RestrictedExecutionTimes": [
      {
         "TimeRange": {
            "EndTime": "string",
            "StartTime": "string"
         }
      }
   ]
}
```

Response Elements

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

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

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

RestrictedExecutionTimes

The time ranges during which change execution is restricted.

Type: Array of RestrictedExecutionTime objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRfcAttachmentSummaries

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

The Request for Change (RFCs) attachments.

Request Syntax

```
{
   "Filters": [
      {
         "Attribute": "string",
         "Condition": "string",
         "Value": "string",
         "Values": [ "string" ]
      }
   ],
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

The only valid filter attribute is `RfcId`, and a value is required.

Type: Array of Filter objects

Required: No

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "RfcAttachmentSummaries": [
      {
         "AttachmentId": "string",
         "ContentLengthInBytes": number,
         "ContentType": "string",
         "CreatedBy": "string",
         "CreatedTime": "string",
         "FileName": "string",
         "RfcId": "string"
      }
   ]
```

```
}
```

Response Elements

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

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

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

RfcAttachmentSummaries

List a summary of the existing attachments of an RFC.

Type: Array of RfcAttachmentSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRfcCorrespondences

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

List the existing correspondences of an RFC.

Request Syntax

```
{
   "Filters": [
      {
         "Attribute": "string",
         "Condition": "string",
         "Value": "string",
         "Values": [ "string" ]
      }
   ],
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

The only valid filter attribute is `RfcId`, and a value is required.

Type: Array of Filter objects

Required: No

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "RfcCorrespondences": [
      {
         "Content": "string",
         "CorrespondenceId": "string",
         "CreatedBy": "string",
         "CreatedTime": "string",
         "LinkedAttachments": [
            {
               "AttachmentId": "string",
               "CreatedBy": "string",
               "CreatedTime": "string",
```

```
                "FileName": "string"
            }
         ],
         "RfcId": "string",
         "UserType": {
            "Id": "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.

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

RfcCorrespondences

The list of correspondences for an existing RFC.

Type: Array of RfcCorrespondence objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListRfcSummaries

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Returns summaries of Request for Change (RFCs) that meet the specified criteria.

Request Syntax

```
{
   "Filters": [
      {
         "Attribute": "string",
         "Condition": "string",
         "Value": "string",
         "Values": [ "string" ]
      }
   ],
   "Locale": "string",
   "MaxResults": number,
   "NextToken": "string",
   "RequestedEndTimeRange": {
      "EndTime": "string",
      "StartTime": "string"
   },
   "RequestedStartTimeRange": {
      "EndTime": "string",
      "StartTime": "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Filters

You can Filter results based on an Attribute and Value combined in a logical AND operation, or based on an Attribute, a Condition, and Values.

The following are the valid filter attributes:

ActualEndTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

ActualStartTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

AutomationStatusId

- Valid Values: Manual, Automated
- Valid Conditions: Equals
- Default Condition: Equals
- Notes: There are only two automation statuses.

ChangeTypeId

- Valid Values: Any valid change type ID; for example, ct-123h45t6uz7jl.
- Valid Conditions: Equals
- Default Condition: Equals
- Notes: Finding a change type, using the query option in the *AMS User Guide*.

ChangeTypeVersion

- Valid Values: Any valid change type ID; for example, 1.0.
- Valid Conditions: Equals

- Default Condition: Equals
- Notes: Finding a change type, using the query option in the *AMS User Guide*.

CreatedBy

- Valid Values: Any string (maximum allowed length is 2048 characters).
- Valid Conditions: Contains
- Default Condition: Contains
- Notes: The `CreatedBy` field of the RFC contains the ARN of the user who created it.

CreatedTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

LastModifiedTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

LastSubmittedTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

RequestedEndTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between

- Default Condition: None
- Notes:The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

RequestedStartTime

- Valid Values: Any string representing an ISO8601 datetime (e.g., “20170101T000000Z”).
- Valid Conditions: Before, After, Between
- Default Condition: None
- Notes: The Before or After condition only accepts one value in the Values field. The Between condition must have exactly two values in the Values field, where the first value should represent a date that happens before the second value.

RfcStatusId

- Valid Values: Canceled, Editing, Failure, InProgress, PendingApproval, Rejected, Scheduled, Success
- Valid Conditions: Equals
- Default Condition: Equals
- Notes: Refresh the RFC list in the AMS console or run GetRfc.

Title

- Valid Values: Any valid RFC title.
- Valid Conditions: Contains
- Default Condition: Contains
- Notes: Regular expressions in each individual field are not supported. Case insensitive search.

For more information about the filter attributes and examples, see Finding RFCs in the *AMS User Guide*.

Type: Array of Filter objects

Required: No

Locale

The locale (language) to return information in. The default is English. **Note:** For future use; not currently implemented.

Type: String

Required: No

MaxResults

The maximum number of items to return in one batch. Valid values are 20-100.

Type: Integer

Required: No

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

Required: No

RequestedEndTimeRange

This parameter has been deprecated.

The span of time during which you want the change to end.

Type: TimeRange object

Required: No

RequestedStartTimeRange

This parameter has been deprecated.

The span of time during which you want the change to start.

Type: TimeRange object

Required: No

Response Syntax

```
{
```

```
   "NextToken": "string",
   "RfcSummaries": [
      {
         "ActionState": {
            "Id": "string",
            "Name": "string"
         },
         "ActualExecutionTimeRange": {
            "EndTime": "string",
            "StartTime": "string"
         },
         "ApprovalState": {
            "AwsApprovalStatus": {
               "Id": "string",
               "Name": "string"
            },
            "CustomerApprovalStatus": {
               "Id": "string",
               "Name": "string"
            }
         },
         "AutomationStatus": {
            "Id": "string",
            "Name": "string"
         },
         "ChangeTypeId": "string",
         "ChangeTypeVersion": "string",
         "CreatedBy": "string",
         "CreatedTime": "string",
         "LastCorrespondenceTime": "string",
         "LastModifiedTime": "string",
         "LastSubmittedTime": "string",
         "RequestedExecutionTimeRange": {
            "EndTime": "string",
            "StartTime": "string"
         },
         "RfcId": "string",
         "Status": {
            "Id": "string",
            "Name": "string"
         },
         "Title": "string"
      }
   ]
```

```
}
```

Response Elements

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

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

NextToken

If the response contains more items than `MaxResults`, only `MaxResults` items are returned, and a `NextToken` pagination token is returned in the response. To retrieve the next batch of items, reissue the request and include the returned token in the `NextToken` parameter. When all items have been returned, the response does not contain a pagination token value.

Type: String

RfcSummaries

The summaries of RFCs that meet the specified criteria.

Type: Array of RfcSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

Examples

Sample Request Using the CreatedBy Filter Attribute

The following is an example request using the `CreatedBy` filter attribute.

```
{
  "Operation": "com.amazonaws.services.managedservices.cm.model#ListRfcSummaries",
  "Service": "com.amazonaws.services.managedservices.cm.model#AWSEnergonService",
  "Input": {
    "Filters": [
      {
        "Attribute": "CreatedBy",
        "Values": [
          "John", "Mary"
        ],
        "Condition": "Contains"
      }
    ]
  }
}
```

Sample Response Using the CreatedBy Filter Attribute

The following is an example response from the request using the `CreatedBy` filter attribute.

```
{
  "Output": {
    "__type":
 "com.amazonaws.services.managedservices.cm.model#ListRfcSummariesResponse",
    "NextToken": null,
    "RfcSummaries": [
      {
        "ActionState": {
          "Id": "NotApplicable",
          "Name": "NotApplicable"
        },
        "ActualExecutionTimeRange": {
          "EndTime": null,
          "StartTime": null
        },
        "AutomationStatus": {
          "Id": "Automated",
```

```
          "Name": "Automated"
        },
        "ChangeTypeId": "ct-3izj492hm8s02",
        "ChangeTypeVersion": "4.0",
        "CreatedBy": "arn:aws:sts::123456789012:assumed-role/FullAccess/John-Isengard",
        "CreatedTime": "20191025T232624Z",
        "LastCorrespondenceTime": null,
        "LastModifiedTime": "20191025T232624Z",
        "LastSubmittedTime": null,
        "RequestedExecutionTimeRange": {
          "EndTime": null,
          "StartTime": null
        },
        "RfcId": "14b7029f-0a16-a83e-09d6-cd4fc9598ba9",
        "Status": {
          "Id": "Editing",
          "Name": "Editing"
        },
        "Title": "test"
      },
      {
        "ActionState": {
          "Id": "NotApplicable",
          "Name": "NotApplicable"
        },
        "ActualExecutionTimeRange": {
          "EndTime": "20191017T184158Z",
          "StartTime": "20191017T184135Z"
        },
        "AutomationStatus": {
          "Id": "Automated",
          "Name": "Automated"
        },
        "ChangeTypeId": "ct-3izj492hm8s02",
        "ChangeTypeVersion": "2.0",
        "CreatedBy": "arn:aws:sts::111122223333:assumed-role/PowerUserAccess/Mary-
Isengard",
        "CreatedTime": "20191017T183530Z",
        "LastCorrespondenceTime": null,
        "LastModifiedTime": "20191017T184158Z",
        "LastSubmittedTime": "20191017T183604Z",
        "RequestedExecutionTimeRange": {
          "EndTime": null,
          "StartTime": null
```

```
        },
        "RfcId": "32b6ed80-6efd-b096-9a2b-ff273c3a52f6",
        "Status": {
          "Id": "Success",
          "Name": "Success"
        },
        "Title": "testExecutionResponse"
      }
    ]
  }
}
```

See Also

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

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

RejectRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Marks the specified RFC as rejected. The alternate operation to `ApproveRfc`.

An RFC with a CT of "Execution mode: Manual" requires approval; rarely it requires customer response, either approval or rejection. If your response is explicitly required, the `Approval Status: CustomerApproval Pending` RFC status is in the RFC execution output, but you receive no other notice. You must explicitly reject or approve the RFC by running this operation or the ApproveRfc operation.

Request Syntax

```
{
   "Reason": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Reason

The reason for the rejection.

If an RFC is rejected or canceled, the reason for the action appears in the `RfcReason`.

Type: String

Required: Yes

RfcId

The unique ID (UUID) of the RFC to reject.

Type: String

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SubmitRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Submits the specified RFC, and optionally specifies whether to observe default execution settings.

Request Syntax

```
{
   "RestrictedExecutionTimesOverrideId": "string",
   "RfcId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RestrictedExecutionTimesOverrideId

The ID of a value that indicates how the change should observe default execution settings. Possible values: `NoOverrides` | `OverrideRestrictedTimeRanges`. The default is `NoOverrides`.

Type: String

Required: No

RfcId

The unique ID (UUID) of the RFC to submit.

Type: String

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcScheduleException

The specified schedule is not valid. Actual status code: 409

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRestrictedExecutionTimes

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Replaces the existing times when change execution is restricted.

Request Syntax

```
{
   "RestrictedExecutionTimes": [
      {
         "TimeRange": {
            "EndTime": "string",
            "StartTime": "string"
         }
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RestrictedExecutionTimes

The new restricted time ranges.

Type: Array of RestrictedExecutionTime objects

Required: Yes

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument 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 V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateRfc

> **Note**
>
> End of support notice: On June 30, 2027, AWS will end support for AMS Advanced. After June 30, 2027, you will no longer be able to access the AMS Advanced console or AMS Advanced resources. For more information, see AMS Advanced end of support.

Updates settings for the specified RFC ID. Updates non-null values.

Request Syntax

```
{
   "Description": "string",
   "ExecutionParameters": "string",
   "ExpectedOutcome": "string",
   "ImplementationPlan": "string",
   "Notification": {
      "Email": {
         "EmailRecipients": [ "string" ]
      }
   },
   "RequestedEndTime": "string",
   "RequestedStartTime": "string",
   "RfcId": "string",
   "RollbackPlan": "string",
   "Title": "string",
   "WorstCaseScenario": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Description

The new description of the RFC.

Type: String

Required: No

ExecutionParameters

The new parameters that are required to execute the RFC, submitted in JSON format.

Type: String

Required: No

ExpectedOutcome

A new description of the effects of the change.

Type: String

Required: No

ImplementationPlan

The new actions or steps required to implement the change (for change types that are not automated).

Type: String

Required: No

Notification

Notice that an RFC has been updated.

Type: RfcNotification object

Required: No

RequestedEndTime

The new end of the change window, expressed in ISO 8601 format. The default format is the *basic* format (`YYYYMMDDThhmmssZ`). For example, 2017/02/27 at 2:30 PM would be 20170227T143000Z. An RFC does not fail if the requested end time is exceeded.

Type: String

Required: No

RequestedStartTime

The new start of the change window, expressed in ISO 8601 format. The default format is the *basic* format (YYYYMMDDThhmmssZ). For example, 2017/02/27 at 2:10 PM would be 20170227T141000Z. For best results, set the requested start time to at least 10 minutes past the time that you expect to submit the RFC. For review required change types, you must set a start time that's at least 24 hours after you expect to submit the RFC. Alternatively, you can use the ASAP option, which causes the RFC to execute as soon as it's approved. To use the ASAP option, don't specify a start time. If the RFC doesn't pass syntax or other checks before the requested start time (if set), then the RFC is canceled.

Type: String

Required: No

RfcId

The unique ID (UUID) of the RFC.

Type: String

Required: Yes

RollbackPlan

The new actions or steps required to undo the change.

Type: String

Required: No

Title

A new name for the RFC; this is displayed as the subject of the RFC in the AMS console.

Type: String

Required: No

WorstCaseScenario

A new description of the most unfavorable outcome of the change.

Type: String

Required: No

Response Elements

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

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerError

An unspecified server error occurred.

HTTP Status Code: 500

InvalidArgumentException

A specified argument is not valid.

HTTP Status Code: 400

InvalidRfcStateException

The RFC is not in a state that allows the requested operation. Actual status code: 409

HTTP Status Code: 400

ResourceNotFoundException

A specified resource could not be located. Actual status code: 404

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 V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The AWS Managed Services Change Management 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:

- AutomationStatus
- ChangeTypeAccessLevel
- ChangeTypeApprovalCondition
- ChangeTypeApprovalRequirement
- ChangeTypeAutomationStatus
- ChangeTypeClassificationSummary
- ChangeTypeOperationSummary
- ChangeTypeVersion
- ChangeTypeVersionSummary
- Email
- Filter
- LinkedAttachment
- RestrictedExecutionTime
- Rfc
- RfcActionState
- RfcApprovalState
- RfcApprovalStatus
- RfcAttachment
- RfcAttachmentSummary
- RfcCorrespondence

- RfcNotification
- RfcRestrictedExecutionTimesOverride
- RfcStatus
- RfcSummary
- TimeRange
- UserType

AutomationStatus

Whether the change type is automated or manual.

Contents

Id

The ID of change type automation type. Possible values: `Automated` | `Manual`.

Type: String

Required: No

Name

The description of the change type automation type.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeAccessLevel

The access level of the change type.

Contents

Id

The ID of change type access level. Possible values: `OpenAccess` | `AwsOperatorInternalOnly`.

Type: String

Required: No

Name

The description of the kind of change type access level.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeApprovalCondition

The approvals that are required for the execution of a change type.

Contents

AwsApproval

The approvals that are required from AWS for the execution of a change type.

Type: ChangeTypeApprovalRequirement object

Required: No

CustomerApproval

The approvals that are required from the customer for the execution of a change type.

Type: ChangeTypeApprovalRequirement object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeApprovalRequirement

The kind of approval that is required for the execution of a change type.

Contents

Id

The ID of the kind of approval required. Possible values: `Required` | `NotRequired`

Type: String

Required: No

Name

The description of the kind of approval required.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeAutomationStatus

The automation status of a change type (`Automated` or `Manual`).

Contents

Id

The ID of the automation status of a change type. Possible values: `Automated` | `Manual`

Type: String

Required: No

Name

The description of the automation status (`Automated` or `Manual`).

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeClassificationSummary

The category, subcategory, item, and operation values of a change type.

Contents

Category

The category value of the change type.

Type: String

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: No

Item

The item value of the change type.

Type: String

Required: No

Operation

The operation value of the change type.

Type: String

Required: No

Subcategory

The subcategory value of the change type.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeOperationSummary

The operation values and change type IDs for a particular category, subcategory, and item value.

Contents

ChangeTypeId

The ID of the change type that has the corresponding operation value.

Type: String

Required: No

Operation

The operation value of the corresponding change type.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeVersion

Information about a specific version of a change type.

Contents

AccessLevel

Type: ChangeTypeAccessLevel object

Required: No

ApprovalCondition

The approval requirements for the change type version.

Type: ChangeTypeApprovalCondition object

Required: No

AutomationStatus

The automation status (`Automated` or `Manual`) of the change type version.

Type: ChangeTypeAutomationStatus object

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: No

CreatedTime

The date and time that the change type version was created.

Type: String

Required: No

DeprecationMessage

Information about the reasons for deprecating the change type version.

Type: String

Required: No

DeprecationTime

The date and time that the change type version was deprecated.

Type: String

Required: No

ExecutionInputSchema

A JSON schema that describes the parameters for the change type.

Type: String

Required: No

ExecutionOutputSchema

A JSON schema that describes the output for the change type.

Type: String

Required: No

ExpectedExecutionDurationInMinutes

The number of minutes that the change should take to execute.

Type: Integer

Required: No

Name

The title of the JSON Schema `ExecutionInputSchema` of the change type version.

Type: String

Required: No

Version

The version number for this change type version.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ChangeTypeVersionSummary

Summary information about a change type version.

Contents

AccessLevel

The access level of the change type.

Type: ChangeTypeAccessLevel object

Required: No

AutomationStatus

The automation status of a change type (`Automated` or `Manual`).

Type: ChangeTypeAutomationStatus object

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: No

CreatedTime

The date and time that the change type version was created.

Type: String

Required: No

DeprecationTime

The date and time that the change type version was deprecated.

Type: String

Required: No

Description

Description of the change type version.

Type: String

Required: No

Name

The title of the JSON Schema `ExecutionInputSchema` of the change type version.

Type: String

Required: No

Version

The version number for this change type version.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Email

The notification email structure.

Contents

EmailRecipients

The list of email addresses to receive the RFC state change notifications.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Filter

An attribute and value pair to use for narrowing search results.

Contents

Attribute

The parameter name to filter on.

Type: String

Required: Yes

Condition

Supported filter conditions.

Valid values: `After | Before | Between | Contains | Equals`.

Type: String

Required: No

Value

This member has been deprecated.

The value of the corresponding attribute to use.

Type: String

Required: No

Values

The list of comma-separated values of the corresponding attribute to use.

Type: Array of strings

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LinkedAttachment

The list of attachments that are linked to the correspondence.

Contents

AttachmentId

The `AttachmentId` of the linked attachment.

Type: String

Required: No

CreatedBy

The Amazon Resource Name (ARN) of the user who created the attachment.

Type: String

Required: No

CreatedTime

The date and time when the attachment was created.

Type: String

Required: No

FileName

The file name of the linked attachment.

Type: String

Required: No

See Also

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

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

RestrictedExecutionTime

The time ranges during which change execution is restricted.

Contents

TimeRange

The starting and ending times of a restricted time range.

Type: TimeRange object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Rfc

A request for change. For more information, see CreateRfc.

Contents

ActionState

The action state of the RFC.

Type: RfcActionState object

Required: No

ActualExecutionTimeRange

The starting and ending dates and times during which the change was executed.

Type: TimeRange object

Required: No

ApprovalState

The approval statuses of the RFC.

Type: RfcApprovalState object

Required: No

AutomationStatus

Whether the change type is automated or manual.

Type: AutomationStatus object

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: No

ChangeTypeVersion

The version number of the change type version associated with the RFC.

Type: String

Required: No

CreatedBy

The Amazon Resource Name (ARN) of the user who created the RFC.

Type: String

Required: No

CreatedTime

The date and time that the RFC was created.

Type: String

Required: No

Description

A text description of the RFC.

Type: String

Required: No

ExecutionOutput

The output from the execution of the change.

Type: String

Required: No

ExecutionParameters

The parameters to use in the execution of the request, in JSON format. To get the JSON schema for the parameters, use the GetChangeTypeVersion operation.

Type: String

Required: No

ExpectedOutcome

A description of the effects of the change.

Type: String

Required: No

ImplementationPlan

The actions or steps required to implement the change.

Type: String

Required: No

LastCorrespondenceTime

The date and time when the most recent correspondence was created.

Type: String

Required: No

LastModifiedBy

The Amazon Resource Name (ARN) of the user who made the most recent change to the RFC.

Type: String

Required: No

LastModifiedTime

The time that the RFC was most recently modified, expressed in ISO 8601 format. By default, AMS uses the basic format (YYYYMMDDThhmmssZ).

Type: String

Required: No

LastSubmittedTime

The time that the RFC was most recently submitted, expressed in ISO 8601 format. By default, AMS uses the basic format (YYYYMMDDThhmmssZ).

Type: String

Required: No

Notification

The RFC notification structure.

Type: RfcNotification object

Required: No

RequestedExecutionTimeRange

The starting and ending dates and times during which the change should be executed. Null if the RFC was ASAP.

Type: TimeRange object

Required: No

RestrictedExecutionTimesOverride

An indication of whether the change should observe the preset restricted execution times. Possible values: `NoOverrides` | `OverrideRestrictedTimeRanges`.

Type: RfcRestrictedExecutionTimesOverride object

Required: No

RfcId

The unique ID (UUID) of the RFC.

Type: String

Required: No

RollbackPlan

The actions or steps required to undo the change.

Type: String

Required: No

Status

The status of the RFC. Possible values: `Editing` | `PendingApproval` | `Scheduled` | `Canceled` | `Rejected` | `InProgress` | `Success` | `Failure`

Type: RfcStatus object

Required: No

StatusReason

The reason provided for RFC status; for example, why it was rejected.

Type: String

Required: No

Title

The identifying title of the RFC.

Type: String

Required: No

WorstCaseScenario

A description of the most unfavorable outcome of the change.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcActionState

The action state of the RFC.

Contents

Id

The ID of the action state.

Valid values: `AwsOperatorAssigned | AwsActionPending | NoActionPending | CustomerActionPending | NotApplicable`

Type: String

Required: No

Name

The name of the action state.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcApprovalState

The status of the approvals for the RFC.

Contents

AwsApprovalStatus

The status of the approval by AWS operations.

Type: RfcApprovalStatus object

Required: No

CustomerApprovalStatus

The status of the approval by the customer.

Type: RfcApprovalStatus object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcApprovalStatus

An ID and name for an approval status of an RFC.

Contents

Id

The ID of the status. Valid values: `SubmissionPending` | `NotRequired` | `ApprovalPending` | `Approved` | `Rejected`.

Type: String

Required: No

Name

A name for the corresponding status ID.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcAttachment

The RFC attachment.

Contents

AttachmentId

The unique ID (UUID) of the RFC attachment.

Type: String

Required: No

Content

The content of the RFC attachment, which is binary data.

Type: Base64-encoded binary data object

Required: No

ContentLengthInBytes

The length of the RFC attachment content in bytes.

Type: Integer

Required: No

ContentType

The RFC attachment content mime type.

Type: String

Required: No

CreatedBy

The Amazon Resource Name (ARN) of the user who created the attachment.

Type: String

Required: No

CreatedTime

The date and time when the RFC attachment was created.

Type: String

Required: No

FileName

The file name of the RFC attachment.

Type: String

Required: No

RfcId

The `RfcId` of the RFC.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcAttachmentSummary

The RFC attachment summary structure.

Contents

AttachmentId

The `AttachmentId` of the attachment.

Type: String

Required: No

ContentLengthInBytes

The length of the RFC attachment content in bytes.

Type: Integer

Required: No

ContentType

The RFC attachment content mime type.

Type: String

Required: No

CreatedBy

The Amazon Resource Name (ARN) of the user who created the attachment.

Type: String

Required: No

CreatedTime

The date and time when the RFC attachment was created.

Type: String

Required: No

FileName

The file name of the RFC attachment.

Type: String

Required: No

RfcId

The `RfcId` of the RFC.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcCorrespondence

The RFC correspondence structure.

Contents

Content

The RFC correspondence content in plain text.

Type: String

Required: No

CorrespondenceId

The Unique Identifier(UUID) of the RFC correspondence.

Type: String

Required: No

CreatedBy

The Amazon Resource Name (ARN) of the user who created the correspondence.

Type: String

Required: No

CreatedTime

The date and time when the RFC correspondence was created.

Type: String

Required: No

LinkedAttachments

The list of `AttachmentId` identifiers that are linked to the RFC correspondence.

Type: Array of LinkedAttachment objects

Required: No

RfcId

The `RfcId` of the RFC.

Type: String

Required: No

UserType

The user type of the RFC correspondence, customer or AWS operator.

Type: UserType object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcNotification

The RFC notification structure.

Contents

Email

The list of email addresses where the RFC status change notification will be sent.

Type: Email object

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcRestrictedExecutionTimesOverride

An ID and name for an option for overriding preset restrictions on execution of a change.

Contents

Id

The ID of the override option.

Type: String

Required: No

Name

A name for the corresponding override option.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcStatus

An ID and name for the status of the RFC.

Contents

Id

The ID of the status. Possible values: `Editing` | `PendingApproval` | `Scheduled` | `InProgress` | `Rejected` | `Canceled` | `Success` | `Failure`

Type: String

Required: No

Name

A name for the corresponding status ID.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RfcSummary

Summary information about a request for change.

Contents

ActionState

The action state of the RFC.

Type: RfcActionState object

Required: No

ActualExecutionTimeRange

The starting and ending dates and times during which the change was executed.

Type: TimeRange object

Required: No

ApprovalState

The status of the approvals for the RFC.

Type: RfcApprovalState object

Required: No

AutomationStatus

Whether the change type is automated or manual.

Type: AutomationStatus object

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxfsc.

Type: String

Required: No

ChangeTypeVersion

The version number of the change type version associated with the RFC.

Type: String

Required: No

CreatedBy

The date and time when the RFC was created.

Type: String

Required: No

CreatedTime

The date and time that the RFC was created.

Type: String

Required: No

LastCorrespondenceTime

The date and time when the last correspondence was added.

Type: String

Required: No

LastModifiedTime

The time that the RFC was most recently modified, expressed in ISO 8601 format. By default, AWS MS uses the basic format (YYYYMMDDThhmmssZ).

Type: String

Required: No

LastSubmittedTime

The date and time when the RFC was last submitted.

Type: String

Required: No

RequestedExecutionTimeRange

The starting and ending dates and times during which the change should be executed. Null if the RFC was ASAP.

Type: TimeRange object

Required: No

RfcId

The unique ID (UUID) of the RFC.

Type: String

Required: No

Status

The status of the RFC. Possible values: `Editing` | `PendingApproval` | `Scheduled` | `Canceled` | `Rejected` | `InProgress` | `Success` | `Failure`

Type: RfcStatus object

Required: No

Title

The identifying title of the RFC.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TimeRange

A starting and ending date and time.

Contents

EndTime

The ending date and time, expressed in ISO 8601 format. By default, AWS MS uses the basic format (YYYYMMDDThhmmssZ)

Type: String

Required: No

StartTime

The starting date and time, expressed in ISO 8601 format. By default, AWS MS uses the basic format (YYYYMMDDThhmmssZ)

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UserType

The type of owner of the correspondence, either customer or AWS operator.

Contents

Id

The ID of the user type. Possible values: `Customer` | `AwsOperator`.

Type: String

Required: No

Name

The description of the user type.

Type: String

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

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

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

For more information, see Create a signed AWS API request in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400