
AWS Managed Services

Change Management API Reference

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AWS Managed Services: Change Management API Reference

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Table of Contents

Welcome	1
Actions	2
ApproveRfc	3
Request Syntax	3
Request Parameters	3
Response Elements	3
Errors	3
See Also	4
CancelRfc	5
Request Syntax	5
Request Parameters	5
Response Elements	5
Errors	5
See Also	6
CreateRfc	7
Request Syntax	7
Request Parameters	7
Response Syntax	9
Response Elements	9
Errors	9
See Also	10
CreateRfcAttachment	11
Request Syntax	11
Request Parameters	11
Response Syntax	11
Response Elements	11
Errors	12
See Also	12
CreateRfcCorrespondence	14
Request Syntax	14
Request Parameters	14
Response Syntax	14
Response Elements	14
Errors	15
See Also	15
GetChangeTypeVersion	16
Request Syntax	16
Request Parameters	16
Response Syntax	17
Response Elements	17
Errors	17
See Also	18
GetRfc	19
Request Syntax	19
Request Parameters	19
Response Syntax	19
Response Elements	20
Errors	20
See Also	21
GetRfcAttachment	22
Request Syntax	22
Request Parameters	22
Response Syntax	22
Response Elements	22

Errors	23
See Also	23
ListChangeTypeCategories	24
Request Syntax	24
Request Parameters	24
Response Syntax	24
Response Elements	24
Errors	25
See Also	25
ListChangeTypeClassificationSummaries	26
Request Syntax	26
Request Parameters	26
Response Syntax	27
Response Elements	27
Errors	27
See Also	28
ListChangeTypeItems	29
Request Syntax	29
Request Parameters	29
Response Syntax	30
Response Elements	30
Errors	30
See Also	30
ListChangeTypeOperations	32
Request Syntax	32
Request Parameters	32
Response Syntax	33
Response Elements	33
Errors	33
See Also	34
ListChangeTypeSubcategories	35
Request Syntax	35
Request Parameters	35
Response Syntax	35
Response Elements	36
Errors	36
See Also	36
ListChangeTypeVersionSummaries	37
Request Syntax	37
Request Parameters	37
Response Syntax	37
Response Elements	38
Errors	38
See Also	38
ListRestrictedExecutionTimes	40
Request Syntax	40
Request Parameters	40
Response Syntax	40
Response Elements	40
Errors	41
See Also	41
ListRfcAttachmentSummaries	42
Request Syntax	42
Request Parameters	42
Response Syntax	43
Response Elements	43
Errors	43

See Also	44
ListRfcCorrespondences	45
Request Syntax	45
Request Parameters	45
Response Syntax	46
Response Elements	46
Errors	46
See Also	47
ListRfcSummaries	48
Request Syntax	48
Request Parameters	48
Response Syntax	51
Response Elements	52
Errors	52
Examples	52
See Also	54
RejectRfc	55
Request Syntax	55
Request Parameters	55
Response Elements	55
Errors	55
See Also	56
SubmitRfc	57
Request Syntax	57
Request Parameters	57
Response Elements	57
Errors	57
See Also	58
UpdateRestrictedExecutionTimes	59
Request Syntax	59
Request Parameters	59
Response Elements	59
Errors	59
See Also	59
UpdateRfc	61
Request Syntax	61
Request Parameters	61
Response Elements	63
Errors	63
See Also	63
Data Types	64
AutomationStatus	65
Contents	65
See Also	65
ChangeTypeAccessLevel	66
Contents	66
See Also	66
ChangeTypeApprovalCondition	67
Contents	67
See Also	67
ChangeTypeApprovalRequirement	68
Contents	68
See Also	68
ChangeTypeAutomationStatus	69
Contents	69
See Also	69
ChangeTypeClassificationSummary	70

Contents	70
See Also	70
ChangeTypeOperationSummary	71
Contents	71
See Also	71
ChangeTypeVersion	72
Contents	72
See Also	73
ChangeTypeVersionSummary	74
Contents	74
See Also	75
Email	76
Contents	76
See Also	76
Filter	77
Contents	77
See Also	77
LinkedAttachment	78
Contents	78
See Also	78
RestrictedExecutionTime	79
Contents	79
See Also	79
Rfc	80
Contents	80
See Also	83
RfcActionState	84
Contents	84
See Also	84
RfcApprovalState	85
Contents	85
See Also	85
RfcApprovalStatus	86
Contents	86
See Also	86
RfcAttachment	87
Contents	87
See Also	88
RfcAttachmentSummary	89
Contents	89
See Also	90
RfcCorrespondence	91
Contents	91
See Also	92
RfcNotification	93
Contents	93
See Also	93
RfcRestrictedExecutionTimesOverride	94
Contents	94
See Also	94
RfcStatus	95
Contents	95
See Also	95
RfcSummary	96
Contents	96
See Also	97
TimeRange	99

Contents	99
See Also	99
UserType	100
Contents	100
See Also	100
Common Parameters	101
Common Errors	103

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 \(p. 7\)](#). 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 \(p. 61\)](#)).

When all necessary information has been added, use [SubmitRfc \(p. 57\)](#) 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 \(p. 7\)](#) call or by using the corresponding `UpdateRfc` ([UpdateRfc \(p. 61\)](#) operation) before calling [SubmitRfc \(p. 57\)](#):

- `RequestedStartTime` ([CreateRfc \(p. 7\)](#)) 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 \(p. 7\)](#) or [UpdateRfc \(p. 61\)](#))

For more information and examples, see [Change Management](#) in the *AWS Managed Services User Guide*.

Getting information about an RFC

The [GetRfc \(p. 19\)](#) 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 October 6, 2021.

Actions

The following actions are supported:

- [ApproveRfc](#) (p. 3)
- [CancelRfc](#) (p. 5)
- [CreateRfc](#) (p. 7)
- [CreateRfcAttachment](#) (p. 11)
- [CreateRfcCorrespondence](#) (p. 14)
- [GetChangeTypeVersion](#) (p. 16)
- [GetRfc](#) (p. 19)
- [GetRfcAttachment](#) (p. 22)
- [ListChangeTypeCategories](#) (p. 24)
- [ListChangeTypeClassificationSummaries](#) (p. 26)
- [ListChangeTypeItems](#) (p. 29)
- [ListChangeTypeOperations](#) (p. 32)
- [ListChangeTypeSubcategories](#) (p. 35)
- [ListChangeTypeVersionSummaries](#) (p. 37)
- [ListRestrictedExecutionTimes](#) (p. 40)
- [ListRfcAttachmentSummaries](#) (p. 42)
- [ListRfcCorrespondences](#) (p. 45)
- [ListRfcSummaries](#) (p. 48)
- [RejectRfc](#) (p. 55)
- [SubmitRfc](#) (p. 57)
- [UpdateRestrictedExecutionTimes](#) (p. 59)
- [UpdateRfc](#) (p. 61)

ApproveRfc

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

RfcId (p. 3)

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 Errors \(p. 103\)](#).

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

CancelRfc

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Reason (p. 5)

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 (p. 5)

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 Errors \(p. 103\)](#).

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

CreateRfc

Creates a new RFC.

To create a request for change, begin by calling [CreateRfc \(p. 7\)](#). 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 \(p. 61\)](#)).

When all necessary information has been added, use [SubmitRfc \(p. 57\)](#) 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 \(p. 7\)](#) call or by using the corresponding [UpdateRfc \(p. 61\)](#) operation) before calling [SubmitRfc \(p. 57\)](#):

- [RequestedStartTime \(p. 7\)](#) 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 \(p. 7\)](#) or [UpdateRfc \(p. 61\)](#))

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

[ChangeTypeId \(p. 7\)](#)

The unique ID of the change type, in the form ct-2ty5seo8rxpsc.

Type: String

Required: Yes

ChangeTypeVersion (p. 7)

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

Type: String

Required: Yes

Description (p. 7)

The description of the RFC.

Type: String

Required: No

ExecutionParameters (p. 7)

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

Type: String

Required: No

ExpectedOutcome (p. 7)

A description of the effects of the change.

Type: String

Required: No

ImplementationPlan (p. 7)

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

Type: String

Required: No

Notification (p. 7)

Create a notification for an existing RFC.

Type: [RfcNotification \(p. 93\)](#) object

Required: No

RequestedEndTime (p. 7)

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 (p. 7)

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 20 minutes past the time that you expect

to submit the RFC. Alternatively, you can use the ASAP option, which causes the RFC to be executed as soon as it is approved, to use this option, do not specify any start time. If the RFC does not pass syntax or other checks before the requested start time (if one is set), the RFC is canceled.

Type: String

Required: No

RollbackPlan (p. 7)

The actions or steps required to undo the change.

Type: String

Required: No

Title (p. 7)

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

Type: String

Required: Yes

WorstCaseScenario (p. 7)

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 (p. 9)

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 Errors \(p. 103\)](#).

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

CreateRfcAttachment

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](#) (p. 101).

The request accepts the following data in JSON format.

Content (p. 11)

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

Type: Base64-encoded binary data object

Required: Yes

FileName (p. 11)

The file name of the RFC attachment.

Type: String

Required: Yes

RfcId (p. 11)

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 \(p. 11\)](#)

The attachment identifier in an RFC attachment response.

Type: String

[RfId \(p. 11\)](#)

The RFC identifier in an RFC attachment request.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 103\)](#).

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

CreateRfcCorrespondence

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](#) (p. 101).

The request accepts the following data in JSON format.

AttachmentIds (p. 14)

The attachment identifiers for an RFC correspondence request.

Type: Array of strings

Required: No

Content (p. 14)

The content for an RFC correspondence request.

Type: String

Required: Yes

RfcId (p. 14)

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 \(p. 14\)](#)

The correspondence identifier in an RFC correspondence response.

Type: String

[RfcId \(p. 14\)](#)

The RFC identifier in an RFC correspondence response.

Type: String

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 103\)](#).

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

GetChangeTypeVersion

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](#) (p. 101).

The request accepts the following data in JSON format.

[ChangeTypeId](#) (p. 16)

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

Type: String

Required: Yes

[Locale](#) (p. 16)

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

Type: String

Required: No

[Version](#) (p. 16)

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 \(p. 17\)](#)

Information about the specified version of the change type.

Type: [ChangeTypeVersion \(p. 72\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 103\)](#).

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

GetRfc

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](#) (p. 101).

The request accepts the following data in JSON format.

Locale (p. 19)

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

Type: String

Required: No

RfcId (p. 19)

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 (p. 19)

Information about the RFC.

Type: [Rfc \(p. 80\)](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 103\)](#).

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

GetRfcAttachment

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

AttachmentId (p. 22)

The attachment identifier in an RFC attachment GET request.

Type: String

Required: Yes

RfcId (p. 22)

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](#) (p. 22)

The RFC attachment in an RFC attachment GET response.

Type: [RfcAttachment](#) (p. 87) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 103).

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

ListChangeTypeCategories

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Locale (p. 24)

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

Type: String

Required: No

MaxResults (p. 24)

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

Type: Integer

Required: No

NextToken (p. 24)

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 (p. 24)

The available change type category values.

Type: Array of strings

NextToken (p. 24)

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 Errors](#) (p. 103).

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

ListChangeTypeClassificationSummaries

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Filters (p. 26)

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 Change Types](#) in the AWS Managed Services User Guide.

Type: Array of [Filter \(p. 77\)](#) objects

Required: No

Locale (p. 26)

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

Type: String

Required: No

MaxResults (p. 26)

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

Type: Integer

Required: No

NextToken (p. 26)

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 (p. 27)

The change type classifications that satisfy the filter criteria.

Type: Array of [ChangeTypeClassificationSummary \(p. 70\)](#) objects

NextToken (p. 27)

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 Errors \(p. 103\)](#).

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

ListChangeTypeItems

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](#) (p. 101).

The request accepts the following data in JSON format.

Category (p. 29)

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

Type: String

Required: Yes

Locale (p. 29)

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

Type: String

Required: No

MaxResults (p. 29)

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

Type: Integer

Required: No

NextToken (p. 29)

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 (p. 29)

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 (p. 30)

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

Type: Array of strings

NextToken (p. 30)

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 Errors \(p. 103\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

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

ListChangeTypeOperations

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

[Category \(p. 32\)](#)

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

Type: String

Required: Yes

[Item \(p. 32\)](#)

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

Type: String

Required: Yes

[Locale \(p. 32\)](#)

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

Type: String

Required: No

[MaxResults \(p. 32\)](#)

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

Type: Integer

Required: No

[NextToken \(p. 32\)](#)

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 \(p. 32\)](#)

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 \(p. 33\)](#)

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

Type: Array of [ChangeTypeOperationSummary \(p. 71\)](#) objects

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

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 Errors \(p. 103\)](#).

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

ListChangeTypeSubcategories

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Category (p. 35)

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

Type: String

Required: Yes

Locale (p. 35)

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

Type: String

Required: No

MaxResults (p. 35)

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

Type: Integer

Required: No

NextToken (p. 35)

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 (p. 35)

The change type subcategory values for the specified category value.

Type: Array of strings

NextToken (p. 35)

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 Errors \(p. 103\)](#).

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

ListChangeTypeVersionSummaries

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](#) (p. 101).

The request accepts the following data in JSON format.

Filters (p. 37)

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

Type: Array of [Filter](#) (p. 77) objects

Required: No

MaxResults (p. 37)

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

Type: Integer

Required: No

NextToken (p. 37)

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 (p. 37)

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

Type: Array of [ChangeTypeVersionSummary](#) (p. 74) objects

NextToken (p. 37)

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 Errors](#) (p. 103).

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

ListRestrictedExecutionTimes

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

MaxResults (p. 40)

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

Type: Integer

Required: No

NextToken (p. 40)

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 (p. 40)

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 (p. 40)

The time ranges during which change execution is restricted.

Type: Array of [RestrictedExecutionTime](#) (p. 79) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 103).

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

ListRfcAttachmentSummaries

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](#) (p. 101).

The request accepts the following data in JSON format.

Filters (p. 42)

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

Type: Array of [Filter](#) (p. 77) objects

Required: No

Locale (p. 42)

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

Type: String

Required: No

MaxResults (p. 42)

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

Type: Integer

Required: No

NextToken (p. 42)

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 (p. 43)

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 (p. 43)

List a summary of the existing attachments of an RFC.

Type: Array of [RfcAttachmentSummary](#) (p. 89) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 103).

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

ListRfcCorrespondences

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](#) (p. 101).

The request accepts the following data in JSON format.

Filters (p. 45)

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

Type: Array of [Filter](#) (p. 77) objects

Required: No

Locale (p. 45)

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

Type: String

Required: No

MaxResults (p. 45)

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

Type: Integer

Required: No

NextToken (p. 45)

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 (p. 46)

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 (p. 46)

The list of correspondences for an existing RFC.

Type: Array of [RfcCorrespondence \(p. 91\)](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors \(p. 103\)](#).

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

ListRfcSummaries

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Filters (p. 48)

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 or CISO](#) 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 or CISO](#) 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 \(p. 19\)](#).

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 \(p. 77\)](#) objects

Required: No

Locale (p. 48)

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

Type: String

Required: No

MaxResults (p. 48)

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

Type: Integer

Required: No

NextToken (p. 48)

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 (p. 48)

This parameter has been deprecated.

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

Type: [TimeRange](#) (p. 99) object

Required: No

RequestedStartTimeRange (p. 48)

This parameter has been deprecated.

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

Type: [TimeRange](#) (p. 99) 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 (p. 51)

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 (p. 51)

The summaries of RFCs that meet the specified criteria.

Type: Array of [RfcSummary](#) (p. 96) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#) (p. 103).

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

RejectRfc

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

Reason (p. 55)

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 (p. 55)

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 Errors \(p. 103\)](#).

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

SubmitRfc

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

RestrictedExecutionTimesOverrideId (p. 57)

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 (p. 57)

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 Errors \(p. 103\)](#).

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

UpdateRestrictedExecutionTimes

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 \(p. 101\)](#).

The request accepts the following data in JSON format.

RestrictedExecutionTimes (p. 59)

The new restricted time ranges.

Type: Array of [RestrictedExecutionTime](#) (p. 79) 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 Errors \(p. 103\)](#).

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

UpdateRfc

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](#) (p. 101).

The request accepts the following data in JSON format.

Description (p. 61)

The new description of the RFC.

Type: String

Required: No

ExecutionParameters (p. 61)

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

Type: String

Required: No

ExpectedOutcome (p. 61)

A new description of the effects of the change.

Type: String

Required: No

ImplementationPlan (p. 61)

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

Type: String

Required: No

Notification (p. 61)

Notice that an RFC has been updated.

Type: [RfcNotification \(p. 93\)](#) object

Required: No

RequestedEndTime (p. 61)

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 (p. 61)

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 20 minutes past the time that you expect to submit the RFC. Alternatively, you can use the ASAP option, which causes the RFC to be executed as soon as it is approved, to use this option, do not specify any start time. If the RFC does not pass syntax or other checks before the requested start time (if set), the RFC is canceled.

Type: String

Required: No

RfcId (p. 61)

The unique ID (UUID) of the RFC.

Type: String

Required: Yes

RollbackPlan (p. 61)

The new actions or steps required to undo the change.

Type: String

Required: No

Title (p. 61)

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

Type: String

Required: No

WorstCaseScenario (p. 61)

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 Errors \(p. 103\)](#).

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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](#) (p. 65)
- [ChangeTypeAccessLevel](#) (p. 66)
- [ChangeTypeApprovalCondition](#) (p. 67)
- [ChangeTypeApprovalRequirement](#) (p. 68)
- [ChangeTypeAutomationStatus](#) (p. 69)
- [ChangeTypeClassificationSummary](#) (p. 70)
- [ChangeTypeOperationSummary](#) (p. 71)
- [ChangeTypeVersion](#) (p. 72)
- [ChangeTypeVersionSummary](#) (p. 74)
- [Email](#) (p. 76)
- [Filter](#) (p. 77)
- [LinkedAttachment](#) (p. 78)
- [RestrictedExecutionTime](#) (p. 79)
- [Rfc](#) (p. 80)
- [RfcActionState](#) (p. 84)
- [RfcApprovalState](#) (p. 85)
- [RfcApprovalStatus](#) (p. 86)
- [RfcAttachment](#) (p. 87)
- [RfcAttachmentSummary](#) (p. 89)
- [RfcCorrespondence](#) (p. 91)
- [RfcNotification](#) (p. 93)
- [RfcRestrictedExecutionTimesOverride](#) (p. 94)
- [RfcStatus](#) (p. 95)
- [RfcSummary](#) (p. 96)
- [TimeRange](#) (p. 99)
- [UserType](#) (p. 100)

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 Go](#)
- [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 Go](#)
- [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](#) (p. 68) object

Required: No

CustomerApproval

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

Type: [ChangeTypeApprovalRequirement](#) (p. 68) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java 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 Go](#)
- [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 Go](#)
- [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-2ty5seo8rxpsc.

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

ChangeTypeVersion

Information about a specific version of a change type.

Contents

AccessLevel

Type: [ChangeTypeAccessLevel](#) (p. 66) object

Required: No

ApprovalCondition

The approval requirements for the change type version.

Type: [ChangeTypeApprovalCondition](#) (p. 67) object

Required: No

AutomationStatus

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

Type: [ChangeTypeAutomationStatus](#) (p. 69) object

Required: No

ChangeTypeId

The unique ID of the change type, in the form `ct-2ty5seo8rxpsc`.

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 Go](#)
- [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](#) (p. 66) object

Required: No

AutomationStatus

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

Type: [ChangeTypeAutomationStatus](#) (p. 69) 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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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](#) (p. 99) object

Required: No

See Also

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

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

Rfc

A request for change. For more information, see [CreateRfc](#) (p. 7).

Contents

ActionState

The action state of the RFC.

Type: [RfcActionState](#) (p. 84) object

Required: No

ActualExecutionTimeRange

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

Type: [TimeRange](#) (p. 99) object

Required: No

ApprovalState

The approval statuses of the RFC.

Type: [RfcApprovalState](#) (p. 85) object

Required: No

AutomationStatus

Whether the change type is automated or manual.

Type: [AutomationStatus](#) (p. 65) object

Required: No

ChangeTypeId

The unique ID of the change type, in the form ct-2ty5seo8rxpsc.

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](#) (p. 16) 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](#) (p. 93) 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](#) (p. 99) object

Required: No

RestrictedExecutionTimesOverride

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

Type: [RfcRestrictedExecutionTimesOverride](#) (p. 94) 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](#) (p. 95) 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 Go](#)
- [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 Go](#)
- [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](#) (p. 86) object

Required: No

CustomerApprovalStatus

The status of the approval by the customer.

Type: [RfcApprovalStatus](#) (p. 86) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java 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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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](#) (p. 78) 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](#) (p. 100) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java 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](#) (p. 76) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java 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 Go](#)
- [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 Go](#)
- [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](#) (p. 84) object

Required: No

ActualExecutionTimeRange

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

Type: [TimeRange](#) (p. 99) object

Required: No

ApprovalState

The status of the approvals for the RFC.

Type: [RfcApprovalState](#) (p. 85) object

Required: No

AutomationStatus

Whether the change type is automated or manual.

Type: [AutomationStatus](#) (p. 65) 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](#) (p. 99) object

Required: No

RfclId

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](#) (p. 95) 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 Go](#)
- [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 Go](#)
- [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 Go](#)
- [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 [Signature Version 4 Signing Process](#) in the *Amazon Web Services General Reference*.

Action

The action to be performed.

Type: string

Required: Yes

Version

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

Type: string

Required: Yes

X-Amz-Algorithm

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

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

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

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

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

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

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'THHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is

not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Handling Dates in Signature Version 4](#) in the *Amazon Web Services General Reference*.

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 400

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 400

InternalFailure

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

HTTP Status Code: 500

InvalidAction

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

HTTP Status Code: 400

InvalidClientTokenId

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

HTTP Status Code: 403

InvalidParameterCombination

Parameters that must not be used together were used together.

HTTP Status Code: 400

InvalidParameterValue

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

HTTP Status Code: 400

InvalidQueryParameter

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

HTTP Status Code: 400

MalformedQueryString

The query string contains a syntax error.

HTTP Status Code: 404

MissingAction

The request is missing an action or a required parameter.

HTTP Status Code: 400

MissingAuthenticationToken

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

HTTP Status Code: 403

MissingParameter

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 400

OptInRequired

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

HTTP Status Code: 403

RequestExpired

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

HTTP Status Code: 400

ServiceUnavailable

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

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

ValidationError

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

HTTP Status Code: 400