



API Reference

Amazon WorkSpaces Thin Client



API Version 2023-08-22

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon WorkSpaces Thin Client: API Reference

Copyright © 2026 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

Table of Contents

Welcome	1
Actions	2
CreateEnvironment	3
Request Syntax	3
URI Request Parameters	4
Request Body	4
Response Syntax	7
Response Elements	8
Errors	8
See Also	12
DeleteDevice	13
Request Syntax	13
URI Request Parameters	13
Request Body	14
Response Syntax	14
Response Elements	14
Errors	14
See Also	17
DeleteEnvironment	18
Request Syntax	18
URI Request Parameters	18
Request Body	19
Response Syntax	19
Response Elements	19
Errors	19
See Also	22
DeregisterDevice	23
Request Syntax	23
URI Request Parameters	23
Request Body	23
Response Syntax	24
Response Elements	24
Errors	24
See Also	27

GetDevice	29
Request Syntax	29
URI Request Parameters	29
Request Body	29
Response Syntax	29
Response Elements	30
Errors	30
See Also	33
GetEnvironment	34
Request Syntax	34
URI Request Parameters	34
Request Body	34
Response Syntax	34
Response Elements	35
Errors	36
See Also	38
GetSoftwareSet	40
Request Syntax	40
URI Request Parameters	40
Request Body	40
Response Syntax	40
Response Elements	41
Errors	41
See Also	44
ListDevices	45
Request Syntax	45
URI Request Parameters	45
Request Body	46
Response Syntax	46
Response Elements	46
Errors	47
See Also	49
ListEnvironments	50
Request Syntax	50
URI Request Parameters	50
Request Body	51

Response Syntax	51
Response Elements	51
Errors	52
See Also	54
ListSoftwareSets	55
Request Syntax	55
URI Request Parameters	55
Request Body	56
Response Syntax	56
Response Elements	56
Errors	57
See Also	59
ListTagsForResource	60
Request Syntax	60
URI Request Parameters	60
Request Body	60
Response Syntax	60
Response Elements	61
Errors	61
See Also	63
TagResource	65
Request Syntax	65
URI Request Parameters	65
Request Body	65
Response Syntax	66
Response Elements	66
Errors	66
See Also	69
UntagResource	70
Request Syntax	70
URI Request Parameters	70
Request Body	70
Response Syntax	70
Response Elements	71
Errors	71
See Also	74

UpdateDevice	75
Request Syntax	75
URI Request Parameters	75
Request Body	75
Response Syntax	76
Response Elements	77
Errors	77
See Also	80
UpdateEnvironment	81
Request Syntax	81
URI Request Parameters	81
Request Body	82
Response Syntax	84
Response Elements	85
Errors	85
See Also	87
UpdateSoftwareSet	89
Request Syntax	89
URI Request Parameters	89
Request Body	89
Response Syntax	90
Response Elements	90
Errors	90
See Also	92
Data Types	94
Device	95
Contents	95
See Also	99
DeviceSummary	100
Contents	100
See Also	103
Environment	104
Contents	104
See Also	109
EnvironmentSummary	110
Contents	110

See Also	113
MaintenanceWindow	114
Contents	114
See Also	116
Software	117
Contents	117
See Also	117
SoftwareSet	118
Contents	118
See Also	119
SoftwareSetSummary	121
Contents	121
See Also	122
ValidationExceptionField	123
Contents	123
See Also	123
Common Parameters	124
Common Error Types	127

Welcome

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Amazon WorkSpaces Thin Client is an affordable device built to work with AWS End User Computing (EUC) virtual desktops to provide users with a complete cloud desktop solution. WorkSpaces Thin Client is a compact device designed to connect up to two monitors and USB devices like a keyboard, mouse, headset, and webcam. To maximize endpoint security, WorkSpaces Thin Client devices do not allow local data storage or installation of unapproved applications. The WorkSpaces Thin Client device ships preloaded with device management software.

You can use these APIs to complete WorkSpaces Thin Client tasks, such as creating environments or viewing devices. For more information about WorkSpaces Thin Client, including the required permissions to use the service, see the [Amazon WorkSpaces Thin Client Administrator Guide](#). For more information about using the AWS Command Line Interface (AWS CLI) to manage your WorkSpaces Thin Client resources, see the [WorkSpaces Thin Client section of the AWS CLI Reference](#).

This document was last published on October 30, 2026.

Actions

The following actions are supported:

- [CreateEnvironment](#)
- [DeleteDevice](#)
- [DeleteEnvironment](#)
- [DeregisterDevice](#)
- [GetDevice](#)
- [GetEnvironment](#)
- [GetSoftwareSet](#)
- [ListDevices](#)
- [ListEnvironments](#)
- [ListSoftwareSets](#)
- [ListTagsForResource](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateDevice](#)
- [UpdateEnvironment](#)
- [UpdateSoftwareSet](#)

CreateEnvironment

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Creates an environment for your thin client devices.

Request Syntax

```
POST /environments HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "desiredSoftwareSetId": "string",
  "desktopArn": "string",
  "desktopEndpoint": "string",
  "deviceCreationTags": {
    "string" : "string"
  },
  "kmsKeyArn": "string",
  "maintenanceWindow": {
    "applyTimeOf": "string",
    "daysOfTheWeek": [ "string" ],
    "endTimeHour": number,
    "endTimeMinute": number,
    "startTimeHour": number,
    "startTimeMinute": number,
    "type": "string"
  },
  "name": "string",
  "softwareSetUpdateMode": "string",
  "softwareSetUpdateSchedule": "string",
  "tags": {
    "string" : "string"
  }
}
```

```
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Specifies a unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This lets you safely retry the request without accidentally performing the same operation a second time. Passing the same value to a later call to an operation requires that you also pass the same value for all other parameters. We recommend that you use a [UUID type of value](#).

If you don't provide this value, then AWS generates a random one for you.

If you retry the operation with the same `ClientToken`, but with different parameters, the retry fails with an `IdempotentParameterMismatch` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

desiredSoftwareSetId

The ID of the software set to apply.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

desktopArn

The Amazon Resource Name (ARN) of the desktop to stream from Amazon WorkSpaces, WorkSpaces Secure Browser, or WorkSpaces Applications.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-.]*:[0-9]{0,12}:[a-zA-Z0-9\-._\-]+`

Required: Yes

desktopEndpoint

The URL for the identity provider login (only for environments that use WorkSpaces Applications).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(https:\\\\)[a-z0-9]+(\\-\\.){1}[a-z0-9]+)*\\. [a-z]{2,32}(:[0-9]{1,5})?(\\/.*)?`

Required: No

deviceCreationTags

A map of the key-value pairs of the tag or tags to assign to the newly created devices for this environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(?!aws:)[A-Za-z0-9_=@:.-/+]`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[A-Za-z0-9_=@:.-/+]`

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the AWS Key Management Service key to use to encrypt the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/,.@-]+:kms:[a-zA-Z0-9\-*:[0-9]{0,12}:key\[a-zA-Z0-9-]+`

Required: No

[maintenanceWindow](#)

A specification for a time window to apply software updates.

Type: [MaintenanceWindow](#) object

Required: No

[name](#)

The name for the environment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `$|^[0-9\p{IsAlphabetic}+;,:.@"' -][0-9\p{IsAlphabetic}+;,:.@"' -]*`

Required: No

[softwareSetUpdateMode](#)

An option to define which software updates to apply.

Type: String

Valid Values: `USE_LATEST | USE_DESIRED`

Required: No

[softwareSetUpdateSchedule](#)

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Required: No

Response Syntax

HTTP/1.1 201

Content-type: application/json

```
{
  "environment": {
    "activationCode": "string",
    "arn": "string",
    "createdAt": number,
    "desiredSoftwareSetId": "string",
    "desktopArn": "string",
    "desktopEndpoint": "string",
    "desktopType": "string",
    "id": "string",
    "maintenanceWindow": {
      "applyTimeOf": "string",
      "daysOfTheWeek": [ "string" ],
      "endTimeHour": number,
      "endTimeMinute": number,
      "startTimeHour": number,
      "startTimeMinute": number,
      "type": "string"
    },
    "name": "string",
    "pendingSoftwareSetId": "string",
    "softwareSetUpdateMode": "string",
    "softwareSetUpdateSchedule": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

environment

Describes an environment.

Type: [EnvironmentSummary](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ServiceQuotaExceededException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Your request exceeds a service quota.

quotaCode

The code for the quota in [Service Quotas](#).

resourceId

The ID of the resource that exceeds the service quota.

resourceType

The type of the resource that exceeds the service quota.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 402

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException** Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

DeleteDevice

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Deletes a thin client device.

Request Syntax

```
DELETE /devices/id?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

Specifies a unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This lets you safely retry the request without accidentally performing the same operation a second time. Passing the same value to a later call to an operation requires that you also pass the same value for all other parameters. We recommend that you use a [UUID type of value](#).

If you don't provide this value, then AWS generates a random one for you.

If you retry the operation with the same `ClientToken`, but with different parameters, the retry fails with an `IdempotentParameterMismatch` error.

Length Constraints: Minimum length of 1. Maximum length of 512.

id

The ID of the device to delete.

Pattern: `[a-zA-Z0-9]{24}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

DeleteEnvironment

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Deletes an environment.

Request Syntax

```
DELETE /environments/id?clientToken=clientToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

Specifies a unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This lets you safely retry the request without accidentally performing the same operation a second time. Passing the same value to a later call to an operation requires that you also pass the same value for all other parameters. We recommend that you use a [UUID type of value](#).

If you don't provide this value, then AWS generates a random one for you.

If you retry the operation with the same `ClientToken`, but with different parameters, the retry fails with an `IdempotentParameterMismatch` error.

Length Constraints: Minimum length of 1. Maximum length of 512.

id

The ID of the environment to delete.

Pattern: `[a-z0-9]{9}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

DeregisterDevice

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Deregisters a thin client device.

Request Syntax

```
POST /deregister-device/id HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "targetDeviceStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the device to deregister.

Pattern: [a-zA-Z0-9]{24}

Required: Yes

Request Body

The request accepts the following data in JSON format.

clientToken

Specifies a unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This lets you safely retry the request without accidentally performing the same operation a second time. Passing the same value to a later call to an operation requires that you also pass the same value for all other parameters. We recommend that you use a [UUID type of value](#).

If you don't provide this value, then AWS generates a random one for you.

If you retry the operation with the same `ClientToken`, but with different parameters, the retry fails with an `IdempotentParameterMismatch` error.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

targetDeviceStatus

The desired new status for the device.

Type: String

Valid Values: DEREGISTERED | ARCHIVED

Required: No

Response Syntax

```
HTTP/1.1 202
```

Response Elements

If the action is successful, the service sends back an HTTP 202 response with an empty HTTP body.

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

GetDevice

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns information for a thin client device.

Request Syntax

```
GET /devices/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the device for which to return information.

Pattern: `[a-zA-Z0-9]{24}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"device": {
  "arn": "string",
  "createdAt": number,
  "currentSoftwareSetId": "string",
  "currentSoftwareSetVersion": "string",
  "desiredSoftwareSetId": "string",
  "environmentId": "string",
  "id": "string",
  "kmsKeyArn": "string",
  "lastConnectedAt": number,
  "lastPostureAt": number,
  "model": "string",
  "name": "string",
  "pendingSoftwareSetId": "string",
  "pendingSoftwareSetVersion": "string",
  "serialNumber": "string",
  "softwareSetComplianceStatus": "string",
  "softwareSetUpdateSchedule": "string",
  "softwareSetUpdateStatus": "string",
  "status": "string",
  "tags": {
    "string" : "string"
  },
  "updatedAt": number
}
```

Response Elements

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

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

device

Describes an device.

Type: [Device](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

GetEnvironment

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns information for an environment.

Request Syntax

```
GET /environments/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the environment for which to return information.

Pattern: [a-z0-9]{9}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "environment": {
    "activationCode": "string",
```

```

    "arn": "string",
    "createdAt": number,
    "desiredSoftwareSetId": "string",
    "desktopArn": "string",
    "desktopEndpoint": "string",
    "desktopType": "string",
    "deviceCreationTags": {
        "string" : "string"
    },
    "id": "string",
    "kmsKeyArn": "string",
    "maintenanceWindow": {
        "applyTimeOf": "string",
        "daysOfTheWeek": [ "string" ],
        "endTimeHour": number,
        "endTimeMinute": number,
        "startTimeHour": number,
        "startTimeMinute": number,
        "type": "string"
    },
    "name": "string",
    "pendingSoftwareSetId": "string",
    "pendingSoftwareSetVersion": "string",
    "registeredDevicesCount": number,
    "softwareSetComplianceStatus": "string",
    "softwareSetUpdateMode": "string",
    "softwareSetUpdateSchedule": "string",
    "tags": {
        "string" : "string"
    },
    "updatedAt": number
}
}

```

Response Elements

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

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

environment

Describes an environment.

Type: [Environment](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

GetSoftwareSet

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns information for a software set.

Request Syntax

```
GET /softwaresets/id HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the software set for which to return information.

Pattern: `[0-9]{1,9}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"softwareSet": {
  "arn": "string",
  "id": "string",
  "releasedAt": number,
  "software": [
    {
      "name": "string",
      "version": "string"
    }
  ],
  "supportedUntil": number,
  "tags": {
    "string" : "string"
  },
  "validationStatus": "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.

softwareSet

Describes a software set.

Type: [SoftwareSet](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

ListDevices

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns a list of thin client devices.

Request Syntax

```
GET /devices?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "devices": [
    {
      "arn": "string",
      "createdAt": number,
      "currentSoftwareSetId": "string",
      "desiredSoftwareSetId": "string",
      "environmentId": "string",
      "id": "string",
      "lastConnectedAt": number,
      "lastPostureAt": number,
      "model": "string",
      "name": "string",
      "pendingSoftwareSetId": "string",
      "serialNumber": "string",
      "softwareSetUpdateSchedule": "string",
      "status": "string",
      "updatedAt": number
    }
  ],
  "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.

devices

Describes devices.

Type: Array of [DeviceSummary](#) objects

nextToken

If nextToken is returned, there are more results available. The value of nextToken is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: \S*

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

ListEnvironments

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns a list of environments.

Request Syntax

```
GET /environments?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "environments": [
    {
      "activationCode": "string",
      "arn": "string",
      "createdAt": number,
      "desiredSoftwareSetId": "string",
      "desktopArn": "string",
      "desktopEndpoint": "string",
      "desktopType": "string",
      "id": "string",
      "maintenanceWindow": {
        "applyTimeOf": "string",
        "daysOfTheWeek": [ "string" ],
        "endTimeHour": number,
        "endTimeMinute": number,
        "startTimeHour": number,
        "startTimeMinute": number,
        "type": "string"
      },
      "name": "string",
      "pendingSoftwareSetId": "string",
      "softwareSetUpdateMode": "string",
      "softwareSetUpdateSchedule": "string",
      "updatedAt": number
    }
  ],
  "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.

environments

Describes environments.

Type: Array of [EnvironmentSummary](#) objects

nextToken

If nextToken is returned, there are more results available. The value of nextToken is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: \S*

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

ListSoftwareSets

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns a list of software sets.

Request Syntax

```
GET /softwaresets?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results that are returned per call. You can use `nextToken` to obtain further pages of results.

This is only an upper limit. The actual number of results returned per call might be fewer than the specified maximum.

Valid Range: Minimum value of 1. Maximum value of 50.

nextToken

If `nextToken` is returned, there are more results available. The value of `nextToken` is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `\S*`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "softwareSets": [
    {
      "arn": "string",
      "id": "string",
      "releasedAt": number,
      "supportedUntil": number,
      "validationStatus": "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.

nextToken

If nextToken is returned, there are more results available. The value of nextToken is a unique pagination token for each page. Make the call again using the returned token to retrieve the next page. Keep all other arguments unchanged. Each pagination token expires after 24 hours. Using an expired pagination token will return an *HTTP 400 InvalidToken error*.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: \S*

softwareSets

Describes software sets.

Type: Array of [SoftwareSetSummary](#) objects

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

ListTagsForResource

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Returns a list of tags for a resource.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource for which you want to retrieve tags.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "tags": {
    "string" : "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.

tags

A map of the key-value pairs for the tag or tags assigned to the specified resource.

Type: String to string map

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

TagResource

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Assigns one or more tags (key-value pairs) to the specified resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to tag.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

A map of the key-value pairs of the tag or tags to assign to the resource.

Type: String to string map

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

UntagResource

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Removes a tag or tags from a resource.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource that you want to untag.

Required: Yes

tagKeys

The keys of the key-value pairs for the tag or tags you want to remove from the specified resource.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 409

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

UpdateDevice

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Updates a thin client device.

Request Syntax

```
PATCH /devices/id HTTP/1.1
Content-type: application/json

{
  "desiredSoftwareSetId": "string",
  "name": "string",
  "softwareSetUpdateSchedule": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the device to update.

Pattern: [a-zA-Z0-9]{24}

Required: Yes

Request Body

The request accepts the following data in JSON format.

desiredSoftwareSetId

The ID of the software set to apply.

Type: String

Pattern: [0-9]{1,9}

Required: No

name

The name of the device to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: \$|^[0-9\p{IsAlphabetic}+,:,.@' " -]*

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

Response Syntax

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

{
  "device": {
    "arn": "string",
    "createdAt": number,
    "currentSoftwareSetId": "string",
    "desiredSoftwareSetId": "string",
```

```
"environmentId": "string",
"id": "string",
"lastConnectedAt": number,
"lastPostureAt": number,
"model": "string",
"name": "string",
"pendingSoftwareSetId": "string",
"serialNumber": "string",
"softwareSetUpdateSchedule": "string",
"status": "string",
"updatedAt": number
}
```

Response Elements

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

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

device

Describes a device.

Type: [DeviceSummary](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

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

UpdateEnvironment

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Updates an environment.

Request Syntax

```
PATCH /environments/id HTTP/1.1
Content-type: application/json

{
  "desiredSoftwareSetId": "string",
  "desktopArn": "string",
  "desktopEndpoint": "string",
  "deviceCreationTags": {
    "string" : "string"
  },
  "maintenanceWindow": {
    "applyTimeOf": "string",
    "daysOfTheWeek": [ "string" ],
    "endTimeHour": number,
    "endTimeMinute": number,
    "startTimeHour": number,
    "startTimeMinute": number,
    "type": "string"
  },
  "name": "string",
  "softwareSetUpdateMode": "string",
  "softwareSetUpdateSchedule": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the environment to update.

Pattern: `[a-z0-9]{9}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

desiredSoftwareSetId

The ID of the software set to apply.

Type: String

Pattern: `[0-9]{0,9}`

Required: No

desktopArn

The Amazon Resource Name (ARN) of the desktop to stream from Amazon WorkSpaces, WorkSpaces Secure Browser, or WorkSpaces Applications.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, .@- ]+:[a-zA-Z0-9\ - ]*:[0-9]{0,12}:[a-zA-Z0-9\ - \./\._ ]+`

Required: No

desktopEndpoint

The URL for the identity provider login (only for environments that use WorkSpaces Applications).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: (https:\\\\)[a-z0-9]+(\\-\\.){1}[a-z0-9]+)*\\. [a-z]{2,32}(:[0-9]{1,5})?(\\/.*)?

Required: No

deviceCreationTags

A map of the key-value pairs of the tag or tags to assign to the newly created devices for this environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: (?!aws:)[A-Za-z0-9_@:.-/+]

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: [A-Za-z0-9_@:.-/+]

Required: No

maintenanceWindow

A specification for a time window to apply software updates.

Type: [MaintenanceWindow](#) object

Required: No

name

The name of the environment to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: \$|^[0-9\p{IsAlphabetic}+,:.@"' -][0-9\p{IsAlphabetic}+=:,."@' -]*

Required: No

softwareSetUpdateMode

An option to define which software updates to apply.

Type: String

Valid Values: USE_LATEST | USE_DESIRED

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "environment": {
    "activationCode": "string",
    "arn": "string",
    "createdAt": number,
    "desiredSoftwareSetId": "string",
    "desktopArn": "string",
    "desktopEndpoint": "string",
    "desktopType": "string",
    "id": "string",
    "maintenanceWindow": {
      "applyTimeOf": "string",
      "daysOfTheWeek": [ "string" ],
      "endTimeHour": number,
      "endTimeMinute": number,
      "startTimeHour": number,
      "startTimeMinute": number,
      "type": "string"
    },
    "name": "string",
    "pendingSoftwareSetId": "string",
    "softwareSetUpdateMode": "string",
```

```
    "softwareSetUpdateSchedule": "string",  
    "updatedAt": number  
  }  
}
```

Response Elements

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

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

environment

Describes an environment.

Type: [EnvironmentSummary](#) object

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access

the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)

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

UpdateSoftwareSet

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Updates a software set.

Request Syntax

```
PATCH /softwaresets/id HTTP/1.1
Content-type: application/json

{
  "validationStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

id

The ID of the software set to update.

Pattern: `[0-9]{1,9}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

validationStatus

An option to define if the software set has been validated.

Type: String

Valid Values: VALIDATED | NOT_VALIDATED

Required: Yes

Response Syntax

```
HTTP/1.1 204
```

Response Elements

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

Errors

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

AccessDeniedException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerErrorException

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

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

retryAfterSeconds

The number of seconds to wait before retrying the next request.

HTTP Status Code: 500

ResourceNotFoundException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The resource specified in the request was not found.

resourceId

The ID of the resource associated with the request.

resourceType

The type of the resource associated with the request.

HTTP Status Code: 404

ThrottlingException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The request was denied due to request throttling.

quotaCode

The code for the quota in [Service Quotas](#).

retryAfterSeconds

The number of seconds to wait before retrying the next request.

serviceCode

The code for the service in [Service Quotas](#).

HTTP Status Code: 429

ValidationException **Important**

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

The input fails to satisfy the specified constraints.

fieldList

A list of fields that didn't validate.

reason

The reason for the exception.

HTTP Status Code: 400

See Also

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

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python \(Boto3\)](#)
- [AWS SDK for Ruby V3](#)

Data Types

The Amazon WorkSpaces Thin Client 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:

- [Device](#)
- [DeviceSummary](#)
- [Environment](#)
- [EnvironmentSummary](#)
- [MaintenanceWindow](#)
- [Software](#)
- [SoftwareSet](#)
- [SoftwareSetSummary](#)
- [ValidationExceptionField](#)

Device

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes a thin client device.

Contents

arn

The Amazon Resource Name (ARN) of the device.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@-]+:[a-zA-Z0-9\-\-]*:[0-9]{0,12}:[a-zA-Z0-9\-\-\. _]+`

Required: No

createdAt

The timestamp of when the device was created.

Type: Timestamp

Required: No

currentSoftwareSetId

The ID of the software set currently installed on the device.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

currentSoftwareSetVersion

The version of the software set currently installed on the device.

Type: String

Required: No

desiredSoftwareSetId

The ID of the software set which the device has been set to.

Type: String

Pattern: [0-9]{1,9}

Required: No

environmentId

The ID of the environment the device is associated with.

Type: String

Pattern: [a-z0-9]{9}

Required: No

id

The ID of the device.

Type: String

Pattern: [a-zA-Z0-9]{24}

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the AWS Key Management Service key used to encrypt the device.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/, .@- ]+:kms:[a-zA-Z0-9\-*:[0-9]{0,12}:key\[a-zA-Z0-9- ]+`

Required: No

lastConnectedAt

The timestamp of the most recent session on the device.

Type: Timestamp

Required: No

lastPostureAt

The timestamp of the most recent check-in of the device.

Type: Timestamp

Required: No

model

The model number of the device.

Type: String

Required: No

name

The name of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `$|^[0-9\p{IsAlphabetic}+;,:.@"' -]*`

Required: No

pendingSoftwareSetId

The ID of the software set that is pending to be installed on the device.

Type: String

Pattern: [0-9]{1,9}

Required: No

pendingSoftwareSetVersion

The version of the software set that is pending to be installed on the device.

Type: String

Required: No

serialNumber

The hardware serial number of the device.

Type: String

Required: No

softwareSetComplianceStatus

Describes if the software currently installed on the device is a supported version.

Type: String

Valid Values: NONE | COMPLIANT | NOT_COMPLIANT

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

softwareSetUpdateStatus

Describes if the device has a supported version of software installed.

Type: String

Valid Values: AVAILABLE | IN_PROGRESS | UP_TO_DATE

Required: No

status

The status of the device.

Type: String

Valid Values: REGISTERED | DEREGISTERING | DEREGISTERED | ARCHIVED

Required: No

tags

The tag keys and optional values for the resource.

Type: String to string map

Required: No

updatedAt

The timestamp of when the device was updated.

Type: Timestamp

Required: No

See Also

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

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

DeviceSummary

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes a thin client device.

Contents

arn

The Amazon Resource Name (ARN) of the device.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./,.\@-]+:[a-zA-Z0-9\-\_]+:[a-zA-Z0-9\-\_]*:[0-9]{0,12}:[a-zA-Z0-9\-\_\.\/\.\_]+`

Required: No

createdAt

The timestamp of when the device was created.

Type: Timestamp

Required: No

currentSoftwareSetId

The ID of the software set currently installed on the device.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

desiredSoftwareSetId

The ID of the software set which the device has been set to.

Type: String

Pattern: [0-9]{1,9}

Required: No

environmentId

The ID of the environment the device is associated with.

Type: String

Pattern: [a-z0-9]{9}

Required: No

id

The ID of the device.

Type: String

Pattern: [a-zA-Z0-9]{24}

Required: No

lastConnectedAt

The timestamp of the most recent session on the device.

Type: Timestamp

Required: No

lastPostureAt

The timestamp of the most recent check-in of the device.

Type: Timestamp

Required: No

model

The model number of the device.

Type: String

Required: No

name

The name of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `$|^[0-9\p{IsAlphabetic}+;,:.@' " -]*`

Required: No

pendingSoftwareSetId

The ID of the software set that is pending to be installed on the device.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

serialNumber

The hardware serial number of the device.

Type: String

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: `USE_MAINTENANCE_WINDOW` | `APPLY_IMMEDIATELY`

Required: No

status

The status of the device.

Type: String

Valid Values: REGISTERED | DEREGISTERING | DEREGISTERED | ARCHIVED

Required: No

updatedAt

The timestamp of when the device was updated.

Type: Timestamp

Required: No

See Also

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

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

Environment

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes an environment.

Contents

activationCode

The activation code to register a device to the environment.

Type: String

Pattern: `[a-z]{2}[a-z0-9]{6}`

Required: No

arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./,.-]+:[a-zA-Z0-9\-.]*:[0-9]{0,12}:[a-zA-Z0-9\-._\-]`

Required: No

createdAt

The timestamp of when the environment was created.

Type: Timestamp

Required: No

desiredSoftwareSetId

The ID of the software set to apply.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

desktopArn

The Amazon Resource Name (ARN) of the desktop to stream from Amazon WorkSpaces, WorkSpaces Secure Browser, or WorkSpaces Applications.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]*:[0-9]{0,12}:[a-zA-Z0-9\ - \/\.\_ ]+`

Required: No

desktopEndpoint

The URL for the identity provider login (only for environments that use WorkSpaces Applications).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(https://)[a-z0-9]+([\-\.\.]{1}[a-z0-9]+)*\.[a-z]{2,32}(:[0-9]{1,5})?(\/.*)?`

Required: No

desktopType

The type of streaming desktop for the environment.

Type: String

Valid Values: `workspaces` | `appstream` | `workspaces-web`

Required: No

deviceCreationTags

The tag keys and optional values for the newly created devices for this environment.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `(?!aws:)[A-Za-z0-9_@:.-/+]`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `[A-Za-z0-9_@:.-/+]`

Required: No

id

The ID of the environment.

Type: String

Pattern: `[a-z0-9]{9}`

Required: No

kmsKeyArn

The Amazon Resource Name (ARN) of the AWS Key Management Service key used to encrypt the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./,.-]+:kms:[a-zA-Z0-9\-\]*:[0-9]{0,12}:key\[a-zA-Z0-9-\]`

Required: No

maintenanceWindow

A specification for a time window to apply software updates.

Type: [MaintenanceWindow](#) object

Required: No

name

The name of the environment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `$|^[0-9\p{IsAlphabetic}+;,:.@'" -][0-9\p{IsAlphabetic}+;,:.@'" -]*`

Required: No

pendingSoftwareSetId

The ID of the software set that is pending to be installed.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

pendingSoftwareSetVersion

The version of the software set that is pending to be installed.

Type: String

Required: No

registeredDevicesCount

The number of devices registered to the environment.

Type: Integer

Required: No

softwareSetComplianceStatus

Describes if the software currently installed on all devices in the environment is a supported version.

Type: String

Valid Values: NO_REGISTERED_DEVICES | COMPLIANT | NOT_COMPLIANT

Required: No

softwareSetUpdateMode

An option to define which software updates to apply.

Type: String

Valid Values: USE_LATEST | USE_DESIRED

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

tags

The tag keys and optional values for the resource.

Type: String to string map

Required: No

updatedAt

The timestamp of when the device was updated.

Type: Timestamp

Required: No

See Also

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

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

EnvironmentSummary

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes an environment.

Contents

activationCode

The activation code to register a device to the environment.

Type: String

Pattern: `[a-z]{2}[a-z0-9]{6}`

Required: No

arn

The Amazon Resource Name (ARN) of the environment.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./,.-]+:[a-zA-Z0-9\-.]*:[0-9]{0,12}:[a-zA-Z0-9\-._\-]+`

Required: No

createdAt

The timestamp of when the environment was created.

Type: Timestamp

Required: No

desiredSoftwareSetId

The ID of the software set to apply.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

desktopArn

The Amazon Resource Name (ARN) of the desktop to stream from Amazon WorkSpaces, WorkSpaces Secure Browser, or WorkSpaces Applications.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]*:[0-9]{0,12}:[a-zA-Z0-9\ - \/\.\_ ]+`

Required: No

desktopEndpoint

The URL for the identity provider login (only for environments that use WorkSpaces Applications).

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(https:\/\|)[a-z0-9]+([\-\.\.]{1}[a-z0-9]+)*\.[a-z]{2,32}(:[0-9]{1,5})?(\/\.* )?`

Required: No

desktopType

The type of streaming desktop for the environment.

Type: String

Valid Values: `workspaces` | `appstream` | `workspaces-web`

Required: No

id

The ID of the environment.

Type: String

Pattern: `[a-z0-9]{9}`

Required: No

maintenanceWindow

A specification for a time window to apply software updates.

Type: [MaintenanceWindow](#) object

Required: No

name

The name of the environment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 64.

Pattern: `$|^[0-9\p{IsAlphabetic}+;,:.@'" -][0-9\p{IsAlphabetic}+;,:.@'" -]*`

Required: No

pendingSoftwareSetId

The ID of the software set that is pending to be installed.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

softwareSetUpdateMode

An option to define which software updates to apply.

Type: String

Valid Values: USE_LATEST | USE_DESIRED

Required: No

softwareSetUpdateSchedule

An option to define if software updates should be applied within a maintenance window.

Type: String

Valid Values: USE_MAINTENANCE_WINDOW | APPLY_IMMEDIATELY

Required: No

updatedAt

The timestamp of when the device was updated.

Type: Timestamp

Required: No

See Also

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

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

MaintenanceWindow

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes the maintenance window for a thin client device.

Contents

type

An option to select the default or custom maintenance window.

Type: String

Valid Values: SYSTEM | CUSTOM

Required: Yes

applyTimeOf

The option to set the maintenance window during the device local time or Universal Coordinated Time (UTC).

Type: String

Valid Values: UTC | DEVICE

Required: No

daysOfTheWeek

The days of the week during which the maintenance window is open.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 7 items.

Valid Values: MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY

Required: No

endTimeHour

The hour for the maintenance window end (00-23).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: No

endTimeMinute

The minutes for the maintenance window end (00-59).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: No

startTimeHour

The hour for the maintenance window start (00-23).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 23.

Required: No

startTimeMinute

The minutes past the hour for the maintenance window start (00-59).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 59.

Required: No

See Also

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

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

Software

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes software.

Contents

name

The name of the software component.

Type: String

Required: No

version

The version of the software component.

Type: String

Required: No

See Also

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

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

SoftwareSet

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes a software set.

Contents

arn

The Amazon Resource Name (ARN) of the software set.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\/,.@-]+:[a-zA-Z0-9\-.]*:[0-9]{0,12}:[a-zA-Z0-9\-._\-]`

Required: No

id

The ID of the software set.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

releasedAt

The timestamp of when the software set was released.

Type: Timestamp

Required: No

software

A list of the software components in the software set.

Type: Array of [Software](#) objects

Required: No

supportedUntil

The timestamp of the end of support for the software set.

Type: Timestamp

Required: No

tags

The tag keys and optional values for the resource.

Type: String to string map

Required: No

validationStatus

An option to define if the software set has been validated.

Type: String

Valid Values: VALIDATED | NOT_VALIDATED

Required: No

version

The version of the software set.

Type: String

Required: No

See Also

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

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

SoftwareSetSummary

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes a software set.

Contents

arn

The Amazon Resource Name (ARN) of the software set.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:[\w+=\./, @- ]+:[a-zA-Z0-9\ - ]+:[a-zA-Z0-9\ - ]*:[0-9]{0,12}:[a-zA-Z0-9\ - \/\.\_ ]+`

Required: No

id

The ID of the software set.

Type: String

Pattern: `[0-9]{1,9}`

Required: No

releasedAt

The timestamp of when the software set was released.

Type: Timestamp

Required: No

supportedUntil

The timestamp of the end of support for the software set.

Type: Timestamp

Required: No

validationStatus

An option to define if the software set has been validated.

Type: String

Valid Values: VALIDATED | NOT_VALIDATED

Required: No

version

The version of the software set.

Type: String

Required: No

See Also

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

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

ValidationExceptionField

Important

End of support notice: On March 31, 2027, AWS will end support for Amazon WorkSpaces Thin Client. After March 31, 2027, you will no longer be able to access the WorkSpaces Thin Client console or WorkSpaces Thin Client resources. For more information, see [Amazon WorkSpaces Thin Client end of support](#).

Describes a validation exception.

Contents

message

A message that describes the reason for the exception.

Type: String

Required: Yes

name

The name of the exception.

Type: String

Required: Yes

See Also

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

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

Common Parameters

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

X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

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

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

X-Amz-Date

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

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

Type: string

Required: Conditional

X-Amz-Security-Token

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

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

Type: string

Required: Conditional

X-Amz-Signature

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

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

Type: string

Required: Conditional

X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

Common Error Types

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

AccessDeniedException

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

HTTP Status Code: 403

ExpiredTokenException

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

HTTP Status Code: 403

IncompleteSignature

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

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

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

HTTP Status Code: 400

NotAuthorized

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

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

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

HTTP Status Code: 400

RequestEntityTooLargeException

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

HTTP Status Code: 413

RequestTimeoutException

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

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

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

HTTP Status Code: 400

UnknownOperationException

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

HTTP Status Code: 404

UnrecognizedClientException

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

HTTP Status Code: 403

ValidationError

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

HTTP Status Code: 400