



API Reference

AWS Systems Manager GUI Connect



API Version 2021-05-01

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AWS Systems Manager GUI Connect: API Reference

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Welcome

AWS Systems Manager GUI Connect, a component of Fleet Manager, lets you connect to your Windows Server-type Amazon Elastic Compute Cloud (Amazon EC2) instances using the Remote Desktop Protocol (RDP). GUI Connect, which is powered by [Amazon DCV](#), provides you with secure connectivity to your Windows Server instances directly from the Systems Manager console. You can have up to four simultaneous connections in a single browser window. In the console, GUI Connect is also referred to as Fleet Manager Remote Desktop.

This reference is intended to be used with the [AWS Systems Manager User Guide](#). To get started, see the following user guide topics:

- [Setting up AWS Systems Manager](#)
- [Connect to a Windows Server managed instance using Remote Desktop](#)

This document was last published on July 17, 2026.

Actions

The following actions are supported:

- [DeleteConnectionRecordingPreferences](#)
- [GetConnectionRecordingPreferences](#)
- [UpdateConnectionRecordingPreferences](#)

DeleteConnectionRecordingPreferences

Deletes the preferences for recording RDP connections.

Request Syntax

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

{
  "ClientToken": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[ClientToken](#)

User-provided idempotency token.

Type: String

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

Required: No

Response Syntax

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

{
  "ClientToken": "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.

ClientToken

Service-provided idempotency token.

Type: String

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

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

An error occurred due to a conflict.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

Your request exceeds a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for Ruby V3](#)

GetConnectionRecordingPreferences

Returns the preferences specified for recording RDP connections in the requesting AWS account and AWS Region.

Request Syntax

```
POST /GetConnectionRecordingPreferences HTTP/1.1
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "ClientToken": "string",
  "ConnectionRecordingPreferences": {
    "KMSKeyArn": "string",
    "RecordingDestinations": {
      "S3Buckets": [
        {
          "BucketName": "string",
          "BucketOwner": "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.

ClientToken

Service-provided idempotency token.

Type: String

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

ConnectionRecordingPreferences

The set of preferences used for recording RDP connections in the requesting AWS account and AWS Region. This includes details such as which S3 bucket recordings are stored in.

Type: [ConnectionRecordingPreferences](#) object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

An error occurred due to a conflict.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The resource could not be found.

HTTP Status Code: 404

ServiceQuotaExceededException

Your request exceeds a service quota.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

UpdateConnectionRecordingPreferences

Updates the preferences for recording RDP connections.

Request Syntax

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

```
{
  "ClientToken": "string",
  "ConnectionRecordingPreferences": {
    "KMSKeyArn": "string",
    "RecordingDestinations": {
      "S3Buckets": [
        {
          "BucketName": "string",
          "BucketOwner": "string"
        }
      ]
    }
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

User-provided idempotency token.

Type: String

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

Required: No

ConnectionRecordingPreferences

The set of preferences used for recording RDP connections in the requesting AWS account and AWS Region. This includes details such as which S3 bucket recordings are stored in.

Type: [ConnectionRecordingPreferences](#) object

Required: Yes

Response Syntax

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

{
  "ClientToken": "string",
  "ConnectionRecordingPreferences": {
    "KMSKeyArn": "string",
    "RecordingDestinations": {
      "S3Buckets": [
        {
          "BucketName": "string",
          "BucketOwner": "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.

ClientToken

Service-provided idempotency token.

Type: String

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

ConnectionRecordingPreferences

The set of preferences used for recording RDP connections in the requesting AWS account and AWS Region. This includes details such as which S3 bucket recordings are stored in.

Type: [ConnectionRecordingPreferences](#) object

Errors

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

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

An error occurred due to a conflict.

HTTP Status Code: 409

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

HTTP Status Code: 500

ResourceNotFoundException

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ServiceQuotaExceededException

Your request exceeds a service quota.

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HTTP Status Code: 429

ValidationException

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

HTTP Status Code: 400

See Also

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

Data Types

The AWS Systems Manager GUI Connect 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:

- [ConnectionRecordingPreferences](#)
- [RecordingDestinations](#)
- [S3Bucket](#)

ConnectionRecordingPreferences

The set of preferences used for recording RDP connections in the requesting AWS account and AWS Region. This includes details such as which S3 bucket recordings are stored in.

Contents

KMSKeyArn

The ARN of a AWS KMS key that is used to encrypt data while it is being processed by the service. This key must exist in the same AWS Region as the node you start an RDP connection to.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: Yes

RecordingDestinations

Determines where recordings of RDP connections are stored.

Type: [RecordingDestinations](#) object

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](#)

RecordingDestinations

Determines where recordings of RDP connections are stored.

Contents

S3Buckets

The S3 bucket where RDP connection recordings are stored.

Type: Array of [S3Bucket](#) objects

Array Members: Fixed number of 1 item.

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](#)

S3Bucket

The S3 bucket where RDP connection recordings are stored.

Contents

BucketName

The name of the S3 bucket where RDP connection recordings are stored.

Type: String

Pattern: `.*(?:^.{3,63}$)(?!^\d+\.)+\d+$)(^(([a-z0-9]|[a-z0-9][a-z0-9\-\-]*[a-z0-9])\.))*([a-z0-9]|[a-z0-9][a-z0-9\-\-]*[a-z0-9])$).`*

Required: Yes

BucketOwner

The AWS account number that owns the S3 bucket.

Type: String

Pattern: `[0-9]{12}`

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