



Welcome

# Amazon Nimble Studio



**API Version 2020-08-01**

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# Amazon Nimble Studio: Welcome

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# Welcome

Welcome to the Amazon Nimble Studio API reference. This API reference provides methods, schema, resources, parameters, and more to help you get the most out of Nimble Studio.

Nimble Studio is a virtual studio that empowers visual effects, animation, and interactive content teams to create content securely within a scalable, private cloud service.

This document was last published on April 27, 2024.

# Actions

The following actions are supported:

- [AcceptEulas](#)
- [CreateLaunchProfile](#)
- [CreateStreamingImage](#)
- [CreateStreamingSession](#)
- [CreateStreamingSessionStream](#)
- [CreateStudio](#)
- [CreateStudioComponent](#)
- [DeleteLaunchProfile](#)
- [DeleteLaunchProfileMember](#)
- [DeleteStreamingImage](#)
- [DeleteStreamingSession](#)
- [DeleteStudio](#)
- [DeleteStudioComponent](#)
- [DeleteStudioMember](#)
- [GetEula](#)
- [GetLaunchProfile](#)
- [GetLaunchProfileDetails](#)
- [GetLaunchProfileInitialization](#)
- [GetLaunchProfileMember](#)
- [GetStreamingImage](#)
- [GetStreamingSession](#)
- [GetStreamingSessionBackup](#)
- [GetStreamingSessionStream](#)
- [GetStudio](#)
- [GetStudioComponent](#)
- [GetStudioMember](#)
- [ListEulaAcceptances](#)

- [ListEulas](#)
- [ListLaunchProfileMembers](#)
- [ListLaunchProfiles](#)
- [ListStreamingImages](#)
- [ListStreamingSessionBackups](#)
- [ListStreamingSessions](#)
- [ListStudioComponents](#)
- [ListStudioMembers](#)
- [ListStudios](#)
- [ListTagsForResource](#)
- [PutLaunchProfileMembers](#)
- [PutStudioMembers](#)
- [StartStreamingSession](#)
- [StartStudioSSOConfigurationRepair](#)
- [StopStreamingSession](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateLaunchProfile](#)
- [UpdateLaunchProfileMember](#)
- [UpdateStreamingImage](#)
- [UpdateStudio](#)
- [UpdateStudioComponent](#)

# AcceptEulas

Accept EULAs.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/eula-acceptances HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

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

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

## [eulaIds](#)

The EULA ID.

Type: Array of strings

Required: No

## Response Syntax

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

{
  "eulaAcceptances": [
    {
      "acceptedAt": "string",
      "acceptedBy": "string",
      "accepteeId": "string",
      "eulaAcceptanceId": "string",
      "eulaId": "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.

### [eulaAcceptances](#)

A collection of EULA acceptances.

Type: Array of [EulaAcceptance](#) objects

## Errors

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

## **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# CreateLaunchProfile

Create a launch profile.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/launch-profiles HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "description": "string",
  "ec2SubnetIds": [ "string" ],
  "launchProfileProtocolVersions": [ "string" ],
  "name": "string",
  "streamConfiguration": {
    "automaticTerminationMode": "string",
    "clipboardMode": "string",
    "ec2InstanceTypes": [ "string" ],
    "maxSessionLengthInMinutes": number,
    "maxStoppedSessionLengthInMinutes": number,
    "sessionBackup": {
      "maxBackupsToRetain": number,
      "mode": "string"
    },
    "sessionPersistenceMode": "string",
    "sessionStorage": {
      "mode": [ "string" ],
      "root": {
        "linux": "string",
        "windows": "string"
      }
    }
  },
  "streamingImageIds": [ "string" ],
  "volumeConfiguration": {
    "iops": number,
```



```
    "size": number,  
    "throughput": number  
  },  
  },  
  "studioComponentIds": [ "string" ],  
  "tags": {  
    "string" : "string"  
  }  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

The description.

Type: String

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

Required: No

### ec2SubnetIds

Specifies the IDs of the EC2 subnets where streaming sessions will be accessible from. These subnets must support the specified instance types.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 6 items.

Required: Yes

### launchProfileProtocolVersions

The version number of the protocol that is used by the launch profile. The only valid version is "2021-03-31".

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 10.

Pattern: ^2021\-03\-31\$

Required: Yes

### name

The name for the launch profile.

Type: String

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

Required: Yes

### streamConfiguration

A configuration for a streaming session.

Type: [StreamConfigurationCreate](#) object

Required: Yes

### studioComponentIds

Unique identifiers for a collection of studio components that can be used with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

### tags

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "launchProfile": {
    "arn": "string",
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SubnetIds": [ "string" ],
    "launchProfileId": "string",
    "launchProfileProtocolVersions": [ "string" ],
    "name": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamConfiguration": {
      "automaticTerminationMode": "string",
      "clipboardMode": "string",
      "ec2InstanceTypes": [ "string" ],
      "maxSessionLengthInMinutes": number,
      "maxStoppedSessionLengthInMinutes": number,
      "sessionBackup": {
        "maxBackupsToRetain": number,
        "mode": "string"
      },
    },
    "sessionPersistenceMode": "string",
    "sessionStorage": {
      "mode": [ "string" ],
      "root": {
```

```
        "linux": "string",
        "windows": "string"
    }
},
"streamingImageIds": [ "string" ],
"volumeConfiguration": {
    "iops": number,
    "size": number,
    "throughput": number
}
},
"studioComponentIds": [ "string" ],
"tags": {
    "string" : "string"
},
"updatedAt": "string",
"updatedBy": "string",
"validationResults": [
    {
        "state": "string",
        "statusCode": "string",
        "statusMessage": "string",
        "type": "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.

### launchProfile

The launch profile.

Type: [LaunchProfile](#) object

## Errors

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

## **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# CreateStreamingImage

Creates a streaming image resource in a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/streaming-images HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "description": "string",
  "ec2ImageId": "string",
  "name": "string",
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

A human-readable description of the streaming image.

Type: String

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

Required: No

### ec2ImageId

The ID of an EC2 machine image with which to create this streaming image.

Type: String

Pattern: ^ami-[0-9A-z]+\$

Required: Yes

### name

A friendly name for a streaming image resource.

Type: String

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

Required: Yes

### tags

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

## Response Syntax

```
HTTP/1.1 200
```



Content-type: application/json

```
{
  "streamingImage": {
    "arn": "string",
    "description": "string",
    "ec2ImageId": "string",
    "encryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    },
    "eulaIds": [ "string" ],
    "name": "string",
    "owner": "string",
    "platform": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamingImageId": "string",
    "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.

### streamingImage

The streaming image.

Type: [StreamingImage](#) object

## Errors

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

## **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# CreateStreamingSession

Creates a streaming session in a studio.

After invoking this operation, you must poll `GetStreamingSession` until the streaming session is in the READY state.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/streaming-sessions HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json
```

```
{
  "ec2InstanceType": "string",
  "launchProfileId": "string",
  "ownedBy": "string",
  "streamingImageId": "string",
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

## studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### ec2InstanceType

The EC2 Instance type used for the streaming session.

Type: String

Valid Values: g4dn.xlarge | g4dn.2xlarge | g4dn.4xlarge | g4dn.8xlarge | g4dn.12xlarge | g4dn.16xlarge | g3.4xlarge | g3s.xlarge | g5.xlarge | g5.2xlarge | g5.4xlarge | g5.8xlarge | g5.16xlarge

Required: No

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Type: String

Required: Yes

### ownedBy

The user ID of the user that owns the streaming session. The user that owns the session will be logging into the session and interacting with the virtual workstation.

Type: String

Required: No

### streamingImageId

The ID of the streaming image.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### tags

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "session": {
    "arn": "string",
    "automaticTerminationMode": "string",
    "backupMode": "string",
    "createdAt": "string",
    "createdBy": "string",
    "ec2InstanceType": "string",
    "launchProfileId": "string",
    "maxBackupsToRetain": number,
    "ownedBy": "string",
    "sessionId": "string",
    "sessionPersistenceMode": "string",
    "startedAt": "string",
    "startedBy": "string",
    "startedFromBackupId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "stopAt": "string",
    "stoppedAt": "string",
    "stoppedBy": "string",
    "streamingImageId": "string",
    "tags": {
```

```
    "string" : "string"
  },
  "terminateAt": "string",
  "updatedAt": "string",
  "updatedBy": "string",
  "volumeConfiguration": {
    "iops": number,
    "size": number,
    "throughput": number
  },
  "volumeRetentionMode": "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.

### session

The session.

Type: [StreamingSession](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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



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

# CreateStreamingSessionStream

Creates a streaming session stream for a streaming session.

After invoking this API, invoke `GetStreamingSessionStream` with the returned `streamId` to poll the resource until it is in the `READY` state.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/streaming-sessions/sessionId/streams HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "expirationInSeconds": number
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### sessionId

The streaming session ID.

Required: Yes

## studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### expirationInSeconds

The expiration time in seconds.

Type: Integer

Valid Range: Minimum value of 60. Maximum value of 3600.

Required: No

## Response Syntax

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

```
{
  "stream": {
    "createdAt": "string",
    "createdBy": "string",
    "expiresAt": "string",
    "ownedBy": "string",
    "state": "string",
    "statusCode": "string",
    "streamId": "string",
    "url": "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.

### stream

The stream.

Type: [StreamingSessionStream](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# CreateStudio

Create a new studio.

When creating a studio, two IAM roles must be provided: the admin role and the user role. These roles are assumed by your users when they log in to the Nimble Studio portal.

The user role must have the AmazonNimbleStudio-StudioUser managed policy attached for the portal to function properly.

The admin role must have the AmazonNimbleStudio-StudioAdmin managed policy attached for the portal to function properly.

You may optionally specify a KMS key in the StudioEncryptionConfiguration.

In Nimble Studio, resource names, descriptions, initialization scripts, and other data you provide are always encrypted at rest using an KMS key. By default, this key is owned by AWS and managed on your behalf. You may provide your own KMS key when calling CreateStudio to encrypt this data using a key you own and manage.

When providing an KMS key during studio creation, Nimble Studio creates KMS grants in your account to provide your studio user and admin roles access to these KMS keys.

If you delete this grant, the studio will no longer be accessible to your portal users.

If you delete the studio KMS key, your studio will no longer be accessible.

## Request Syntax

```
POST /2020-08-01/studios HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "adminRoleArn": "string",
  "displayName": "string",
  "studioEncryptionConfiguration": {
    "keyArn": "string",
    "keyType": "string"
  },
  "studioName": "string",
  "tags": {
```

```
  "string" : "string"  
},  
  "userRoleArn": "string"  
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

## Request Body

The request accepts the following data in JSON format.

### adminRoleArn

The IAM role that studio admins will assume when logging in to the Nimble Studio portal.

Type: String

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

Required: No

### displayName

A friendly name for the studio.

Type: String

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

Required: Yes

### studioEncryptionConfiguration

The studio encryption configuration.

Type: [StudioEncryptionConfiguration](#) object

Required: No

### [studioName](#)

The studio name that is used in the URL of the Nimble Studio portal when accessed by Nimble Studio users.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `^[a-z0-9]*$`

Required: Yes

### [tags](#)

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### [userRoleArn](#)

The IAM role that studio users will assume when logging in to the Nimble Studio portal.

Type: String

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

Required: Yes

## Response Syntax

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

{
  "studio": {
    "adminRoleArn": "string",
    "arn": "string",
```



```
"createdAt": "string",
"displayName": "string",
"homeRegion": "string",
"ssoClientId": "string",
"state": "string",
"statusCode": "string",
"statusMessage": "string",
"studioEncryptionConfiguration": {
  "keyArn": "string",
  "keyType": "string"
},
"studioId": "string",
"studioName": "string",
"studioUrl": "string",
"tags": {
  "string" : "string"
},
"updatedAt": "string",
"userRoleArn": "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.

### studio

Information about a studio.

Type: [Studio](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# CreateStudioComponent

Creates a studio component resource.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/studio-components HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "configuration": { ... },
  "description": "string",
  "ec2SecurityGroupIds": [ "string" ],
  "initializationScripts": [
    {
      "launchProfileProtocolVersion": "string",
      "platform": "string",
      "runContext": "string",
      "script": "string"
    }
  ],
  "name": "string",
  "runtimeRoleArn": "string",
  "scriptParameters": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "secureInitializationRoleArn": "string",
  "subtype": "string",
  "tags": {
    "string" : "string"
  },
  "type": "string"
}
```

```
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### configuration

The configuration of the studio component, based on component type.

Type: [StudioComponentConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### description

The description.

Type: String

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

Required: No

### ec2SecurityGroupIds

The EC2 security groups that control access to the studio component.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

### initializationScripts

Initialization scripts for studio components.

Type: Array of [StudioComponentInitializationScript](#) objects

Required: No

### name

The name for the studio component.

Type: String

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

Required: Yes

### runtimeRoleArn

An IAM role attached to a Studio Component that gives the studio component access to AWS resources at anytime while the instance is running.

Type: String

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

Required: No

### scriptParameters

Parameters for the studio component scripts.

Type: Array of [ScriptParameterKeyValue](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

### secureInitializationRoleArn

An IAM role attached to Studio Component when the system initialization script runs which give the studio component access to AWS resources when the system initialization script runs.

Type: String

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

Required: No

### subtype

The specific subtype of a studio component.

Type: String

Valid Values: AWS\_MANAGED\_MICROSOFT\_AD | AMAZON\_FSX\_FOR\_WINDOWS |  
AMAZON\_FSX\_FOR\_LUSTRE | CUSTOM

Required: No

### tags

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### type

The type of the studio component.

Type: String

Valid Values: ACTIVE\_DIRECTORY | SHARED\_FILE\_SYSTEM | COMPUTE\_FARM |  
LICENSE\_SERVICE | CUSTOM

Required: Yes

## Response Syntax

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

{
  "studioComponent": {
    "arn": "string",
    "configuration": { ... },
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SecurityGroupIds": [ "string" ],
    "initializationScripts": [
      {
        "launchProfileProtocolVersion": "string",
        "platform": "string",
        "runContext": "string",
        "script": "string"
      }
    ],
    "name": "string",
    "runtimeRoleArn": "string",
    "scriptParameters": [
      {
        "key": "string",
        "value": "string"
      }
    ],
    "secureInitializationRoleArn": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioComponentId": "string",
    "subtype": "string",
    "tags": {
      "string" : "string"
    },
    "type": "string",
    "updatedAt": "string",
    "updatedBy": "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.

### studioComponent

Information about the studio component.

Type: [StudioComponent](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# DeleteLaunchProfile

Permanently delete a launch profile.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/launch-profiles/launchProfileId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

# Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "launchProfile": {
    "arn": "string",
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SubnetIds": [ "string" ],
    "launchProfileId": "string",
    "launchProfileProtocolVersions": [ "string" ],
    "name": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamConfiguration": {
      "automaticTerminationMode": "string",
      "clipboardMode": "string",
      "ec2InstanceTypes": [ "string" ],
      "maxSessionLengthInMinutes": number,
      "maxStoppedSessionLengthInMinutes": number,
      "sessionBackup": {
        "maxBackupsToRetain": number,
        "mode": "string"
      },
      "sessionPersistenceMode": "string",
      "sessionStorage": {
        "mode": [ "string" ],
        "root": {
          "linux": "string",
          "windows": "string"
        }
      }
    },
    "streamingImageIds": [ "string" ],
    "volumeConfiguration": {
      "iops": number,
      "size": number,
      "throughput": number
    }
  },
}
```

```
"studioComponentIds": [ "string" ],
"tags": {
  "string" : "string"
},
"updatedAt": "string",
"updatedBy": "string",
"validationResults": [
  {
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "type": "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.

### launchProfile

The launch profile.

Type: [LaunchProfile](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# DeleteLaunchProfileMember

Delete a user from launch profile membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/launch-profiles/launchProfileId/
membership/principalId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

Required: Yes

### studioId

The studio ID.



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 Errors](#).

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### ConflictException

Another operation is in progress.

HTTP Status Code: 409

### InternalServerErrorException

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### ResourceNotFoundException

The specified resource could not be found.

HTTP Status Code: 404

## ServiceQuotaExceededException

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# DeleteStreamingImage

Delete streaming image.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/streaming-images/streamingImageId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### streamingImageId

The streaming image ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "streamingImage": {
    "arn": "string",
    "description": "string",
    "ec2ImageId": "string",
    "encryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    },
    "eulaIds": [ "string" ],
    "name": "string",
    "owner": "string",
    "platform": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamingImageId": "string",
    "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.

### streamingImage

The streaming image.

Type: [StreamingImage](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# DeleteStreamingSession

Deletes streaming session resource.

After invoking this operation, use `GetStreamingSession` to poll the resource until it transitions to a DELETED state.

A streaming session will count against your streaming session quota until it is marked DELETED.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/streaming-sessions/sessionId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### sessionId

The streaming session ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "session": {
    "arn": "string",
    "automaticTerminationMode": "string",
    "backupMode": "string",
    "createdAt": "string",
    "createdBy": "string",
    "ec2InstanceType": "string",
    "launchProfileId": "string",
    "maxBackupsToRetain": number,
    "ownedBy": "string",
    "sessionId": "string",
    "sessionPersistenceMode": "string",
    "startedAt": "string",
    "startedBy": "string",
    "startedFromBackupId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "stopAt": "string",
    "stoppedAt": "string",
    "stoppedBy": "string",
    "streamingImageId": "string",
    "tags": {
      "string" : "string"
    },
    "terminateAt": "string",
    "updatedAt": "string",
    "updatedBy": "string",
    "volumeConfiguration": {
      "iops": number,
      "size": number,
      "throughput": number
    }
  },
  "terminateAt": "string",
  "updatedAt": "string",
  "updatedBy": "string",
  "volumeConfiguration": {
    "iops": number,
    "size": number,
    "throughput": number
  }
},
```



```
    "volumeRetentionMode": "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.

### session

The session.

Type: [StreamingSession](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## ServiceQuotaExceededException

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# DeleteStudio

Delete a studio resource.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "studio": {
    "adminRoleArn": "string",
    "arn": "string",
```

```
"createdAt": "string",
"displayName": "string",
"homeRegion": "string",
"ssoClientId": "string",
"state": "string",
"statusCode": "string",
"statusMessage": "string",
"studioEncryptionConfiguration": {
  "keyArn": "string",
  "keyType": "string"
},
"studioId": "string",
"studioName": "string",
"studioUrl": "string",
"tags": {
  "string" : "string"
},
"updatedAt": "string",
"userRoleArn": "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.

### studio

Information about a studio.

Type: [Studio](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# DeleteStudioComponent

Deletes a studio component resource.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/studio-components/studioComponentId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioComponentId

The studio component ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "studioComponent": {
    "arn": "string",
    "configuration": { ... },
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SecurityGroupIds": [ "string" ],
    "initializationScripts": [
      {
        "launchProfileProtocolVersion": "string",
        "platform": "string",
        "runContext": "string",
        "script": "string"
      }
    ],
    "name": "string",
    "runtimeRoleArn": "string",
    "scriptParameters": [
      {
        "key": "string",
        "value": "string"
      }
    ],
    "secureInitializationRoleArn": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioComponentId": "string",
    "subtype": "string",
    "tags": {
      "string" : "string"
    },
    "type": "string",
    "updatedAt": "string",
    "updatedBy": "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.

### studioComponent

Information about the studio component.

Type: [StudioComponent](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# DeleteStudioMember

Delete a user from studio membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
DELETE /2020-08-01/studios/studioId/membership/principalId HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

Required: Yes

### studioId

The studio ID.

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 Errors](#).

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# GetEula

Get EULA.

## Request Syntax

```
GET /2020-08-01/eulas/eulaId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### eulaId

The EULA ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "eula": {
    "content": "string",
    "createdAt": "string",
    "eulaId": "string",
    "name": "string",
    "updatedAt": "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.

## [eula](#)

The EULA.

### **Important**

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

Type: [Eula](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## ServiceQuotaExceededException

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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



# GetLaunchProfile

Get a launch profile.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles/launchProfileId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "launchProfile": {
```

```

    "arn": "string",
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SubnetIds": [ "string" ],
    "launchProfileId": "string",
    "launchProfileProtocolVersions": [ "string" ],
    "name": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamConfiguration": {
        "automaticTerminationMode": "string",
        "clipboardMode": "string",
        "ec2InstanceTypes": [ "string" ],
        "maxSessionLengthInMinutes": number,
        "maxStoppedSessionLengthInMinutes": number,
        "sessionBackup": {
            "maxBackupsToRetain": number,
            "mode": "string"
        },
        "sessionPersistenceMode": "string",
        "sessionStorage": {
            "mode": [ "string" ],
            "root": {
                "linux": "string",
                "windows": "string"
            }
        }
    },
    "streamingImageIds": [ "string" ],
    "volumeConfiguration": {
        "iops": number,
        "size": number,
        "throughput": number
    }
},
"studioComponentIds": [ "string" ],
"tags": {
    "string" : "string"
},
"updatedAt": "string",
"updatedBy": "string",
"validationResults": [
    {

```

```
    "state": "string",  
    "statusCode": "string",  
    "statusMessage": "string",  
    "type": "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.

### [launchProfile](#)

The launch profile.

Type: [LaunchProfile](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource could not be found.

HTTP Status Code: 404

## ServiceQuotaExceededException

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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



# GetLaunchProfileDetails

Launch profile details include the launch profile resource and summary information of resources that are used by, or available to, the launch profile. This includes the name and description of all studio components used by the launch profiles, and the name and description of streaming images that can be used with this launch profile.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles/launchProfileId/details HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{
  "launchProfile": {
    "arn": "string",
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SubnetIds": [ "string" ],
    "launchProfileId": "string",
    "launchProfileProtocolVersions": [ "string" ],
    "name": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamConfiguration": {
      "automaticTerminationMode": "string",
      "clipboardMode": "string",
      "ec2InstanceTypes": [ "string" ],
      "maxSessionLengthInMinutes": number,
      "maxStoppedSessionLengthInMinutes": number,
      "sessionBackup": {
        "maxBackupsToRetain": number,
        "mode": "string"
      },
      "sessionPersistenceMode": "string",
      "sessionStorage": {
        "mode": [ "string" ],
        "root": {
          "linux": "string",
          "windows": "string"
        }
      },
      "streamingImageIds": [ "string" ],
      "volumeConfiguration": {
        "iops": number,
        "size": number,
        "throughput": number
      }
    },
    "studioComponentIds": [ "string" ],
    "tags": {
      "string" : "string"
    }
  },
}
```

```
"updatedAt": "string",
"updatedBy": "string",
"validationResults": [
  {
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "type": "string"
  }
],
"streamingImages": [
  {
    "arn": "string",
    "description": "string",
    "ec2ImageId": "string",
    "encryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    },
    "eulaIds": [ "string" ],
    "name": "string",
    "owner": "string",
    "platform": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamingImageId": "string",
    "tags": {
      "string" : "string"
    }
  }
],
"studioComponentSummaries": [
  {
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "name": "string",
    "studioComponentId": "string",
    "subtype": "string",
    "type": "string",
    "updatedAt": "string",
    "updatedBy": "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.

### [launchProfile](#)

The launch profile.

Type: [LaunchProfile](#) object

### [streamingImages](#)

A collection of streaming images.

Type: Array of [StreamingImage](#) objects

### [studioComponentSummaries](#)

A collection of studio component summaries.

Type: Array of [StudioComponentSummary](#) objects

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# GetLaunchProfileInitialization

Get a launch profile initialization.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles/launchProfileId/init?
launchProfileProtocolVersions=launchProfileProtocolVersions&launchPurpose=launchPurpose&platform=platform
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### launchProfileProtocolVersions

The launch profile protocol versions supported by the client.

Required: Yes

### launchPurpose

The launch purpose.

Required: Yes

### platform

The platform where this Launch Profile will be used, either Windows or Linux.

Required: Yes

## studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "launchProfileInitialization": {
    "activeDirectory": {
      "computerAttributes": [
        {
          "name": "string",
          "value": "string"
        }
      ],
      "directoryId": "string",
      "directoryName": "string",
      "dnsIpAddresses": [ "string " ],
      "organizationalUnitDistinguishedName": "string",
      "studioComponentId": "string",
      "studioComponentName": "string"
    },
    "ec2SecurityGroupIds": [ "string " ],
    "launchProfileId": "string",
    "launchProfileProtocolVersion": "string",
    "launchPurpose": "string",
    "name": "string",
    "platform": "string",
    "systemInitializationScripts": [
      {
        "runtimeRoleArn": "string",
        "script": "string",
        "secureInitializationRoleArn": "string",
```

```
        "studioComponentId": "string",
        "studioComponentName": "string"
    },
],
"userInitializationScripts": [
    {
        "runtimeRoleArn": "string",
        "script": "string",
        "secureInitializationRoleArn": "string",
        "studioComponentId": "string",
        "studioComponentName": "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.

### launchProfileInitialization

The launch profile initialization.

Type: [LaunchProfileInitialization](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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



# GetLaunchProfileMember

Get a user persona in launch profile membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles/launchProfileId/membership/principalId
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "member": {
    "identityStoreId": "string",
    "persona": "string",
    "principalId": "string",
    "sid": "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.

### member

The member.

Type: [LaunchProfileMembership](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# GetStreamingImage

Get streaming image.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-images/streamingImageId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### streamingImageId

The streaming image ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
```

```
"streamingImage": {
  "arn": "string",
  "description": "string",
  "ec2ImageId": "string",
  "encryptionConfiguration": {
    "keyArn": "string",
    "keyType": "string"
  },
  "eulaIds": [ "string" ],
  "name": "string",
  "owner": "string",
  "platform": "string",
  "state": "string",
  "statusCode": "string",
  "statusMessage": "string",
  "streamingImageId": "string",
  "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.

### streamingImage

The streaming image.

Type: [StreamingImage](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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



# GetStreamingSession

Gets StreamingSession resource.

Invoke this operation to poll for a streaming session state while creating or deleting a session.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-sessions/sessionId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### sessionId

The streaming session ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "session": {
    "arn": "string",
    "automaticTerminationMode": "string",
    "backupMode": "string",
    "createdAt": "string",
    "createdBy": "string",
    "ec2InstanceType": "string",
    "launchProfileId": "string",
    "maxBackupsToRetain": number,
    "ownedBy": "string",
    "sessionId": "string",
    "sessionPersistenceMode": "string",
    "startedAt": "string",
    "startedBy": "string",
    "startedFromBackupId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "stopAt": "string",
    "stoppedAt": "string",
    "stoppedBy": "string",
    "streamingImageId": "string",
    "tags": {
      "string" : "string"
    },
    "terminateAt": "string",
    "updatedAt": "string",
    "updatedBy": "string",
    "volumeConfiguration": {
      "iops": number,
      "size": number,
      "throughput": number
    },
    "volumeRetentionMode": "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.

## session

The session.

Type: [StreamingSession](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# GetStreamingSessionBackup

Gets StreamingSessionBackup resource.

Invoke this operation to poll for a streaming session backup while stopping a streaming session.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-session-backups/backupId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### backupId

The ID of the backup.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "streamingSessionBackup": {
    "arn": "string",
    "backupId": "string",
    "createdAt": "string",
    "launchProfileId": "string",
    "ownedBy": "string",
    "sessionId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "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.

### [streamingSessionBackup](#)

Information about the streaming session backup.

Type: [StreamingSessionBackup](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# GetStreamingSessionStream

Gets a StreamingSessionStream for a streaming session.

Invoke this operation to poll the resource after invoking CreateStreamingSessionStream.

After the StreamingSessionStream changes to the READY state, the url property will contain a stream to be used with the DCV streaming client.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-sessions/sessionId/streams/streamId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### sessionId

The streaming session ID.

Required: Yes

### streamId

The streaming session stream ID.

Required: Yes

### studioId

The studio ID.

Required: Yes



## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "stream": {
    "createdAt": "string",
    "createdBy": "string",
    "expiresAt": "string",
    "ownedBy": "string",
    "state": "string",
    "statusCode": "string",
    "streamId": "string",
    "url": "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.

### stream

The stream.

Type: [StreamingSessionStream](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# GetStudio

Get a studio resource.

## Request Syntax

```
GET /2020-08-01/studios/studioId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "studio": {
    "adminRoleArn": "string",
    "arn": "string",
    "createdAt": "string",
    "displayName": "string",
    "homeRegion": "string",
    "ssoClientId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioEncryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    }
  }
}
```

```
    },  
    "studioId": "string",  
    "studioName": "string",  
    "studioUrl": "string",  
    "tags": {  
        "string" : "string"  
    },  
    "updatedAt": "string",  
    "userRoleArn": "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.

### studio

Information about a studio.

Type: [Studio](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

- [AWS SDK for Ruby V3](#)

# GetStudioComponent

Gets a studio component resource.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/studio-components/studioComponentId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### studioComponentId

The studio component ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
```



```

"studioComponent": {
  "arn": "string",
  "configuration": { ... },
  "createdAt": "string",
  "createdBy": "string",
  "description": "string",
  "ec2SecurityGroupIds": [ "string" ],
  "initializationScripts": [
    {
      "launchProfileProtocolVersion": "string",
      "platform": "string",
      "runContext": "string",
      "script": "string"
    }
  ],
  "name": "string",
  "runtimeRoleArn": "string",
  "scriptParameters": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "secureInitializationRoleArn": "string",
  "state": "string",
  "statusCode": "string",
  "statusMessage": "string",
  "studioComponentId": "string",
  "subtype": "string",
  "tags": {
    "string" : "string"
  },
  "type": "string",
  "updatedAt": "string",
  "updatedBy": "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.

## studioComponent

Information about the studio component.

Type: [StudioComponent](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# GetStudioMember

Get a user's membership in a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/membership/principalId HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "member": {
    "identityStoreId": "string",
    "persona": "string",
    "principalId": "string",
    "sid": "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.

### member

The member.

Type: [StudioMembership](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## ResourceNotFoundException

The specified resource could not be found.

HTTP Status Code: 404

## ServiceQuotaExceededException

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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



# ListEulaAcceptances

List EULA acceptances.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/eula-acceptances?eulaIds=eulaIds&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### eulaIds

The list of EULA IDs that have been previously accepted.

### nextToken

The token for the next set of results, or null if there are no more results.

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```



```
Content-type: application/json

{
  "eulaAcceptances": [
    {
      "acceptedAt": "string",
      "acceptedBy": "string",
      "accepteeId": "string",
      "eulaAcceptanceId": "string",
      "eulaId": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### eulaAcceptances

A collection of EULA acceptances.

Type: Array of [EulaAcceptance](#) objects

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)

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

# ListEulas

List EULAs.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/eulas?eulaIds=eulaIds&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### eulaIds

The list of EULA IDs that should be returned

### nextToken

The token for the next set of results, or null if there are no more results.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "eulas": [
    {
      "content": "string",
```

```
    "createdAt": "string",  
    "eulaId": "string",  
    "name": "string",  
    "updatedAt": "string"  
  }  
],  
  "nextToken": "string"  
}
```

## Response Elements

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

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

### eulas

A collection of EULA resources.

Type: Array of [Eula](#) objects

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# ListLaunchProfileMembers

Get all users in a given launch profile membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles/launchProfileId/membership?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### maxResults

The max number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token for the next set of results, or null if there are no more results.

### studioId

The studio ID.

Required: Yes



## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "members": [
    {
      "identityStoreId": "string",
      "persona": "string",
      "principalId": "string",
      "sid": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### members

A list of members.

Type: Array of [LaunchProfileMembership](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# ListLaunchProfiles

List all the launch profiles a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/launch-profiles?
maxResults=maxResults&nextToken=nextToken&principalId=principalId&states=states
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The max number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token for the next set of results, or null if there are no more results.

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

### states

Filter this request to launch profiles in any of the given states.

Valid Values: CREATE\_IN\_PROGRESS | READY | UPDATE\_IN\_PROGRESS |  
DELETE\_IN\_PROGRESS | DELETED | DELETE\_FAILED | CREATE\_FAILED |  
UPDATE\_FAILED

## studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "launchProfiles": [
    {
      "arn": "string",
      "createdAt": "string",
      "createdBy": "string",
      "description": "string",
      "ec2SubnetIds": [ "string" ],
      "launchProfileId": "string",
      "launchProfileProtocolVersions": [ "string" ],
      "name": "string",
      "state": "string",
      "statusCode": "string",
      "statusMessage": "string",
      "streamConfiguration": {
        "automaticTerminationMode": "string",
        "clipboardMode": "string",
        "ec2InstanceTypes": [ "string" ],
        "maxSessionLengthInMinutes": number,
        "maxStoppedSessionLengthInMinutes": number,
        "sessionBackup": {
          "maxBackupsToRetain": number,
          "mode": "string"
        },
      },
      "sessionPersistenceMode": "string",
      "sessionStorage": {
        "mode": [ "string" ],
      },
    }
  ]
}
```

```
    "root": {
      "linux": "string",
      "windows": "string"
    },
    "streamingImageIds": [ "string" ],
    "volumeConfiguration": {
      "iops": number,
      "size": number,
      "throughput": number
    },
    "studioComponentIds": [ "string" ],
    "tags": {
      "string" : "string"
    },
    "updatedAt": "string",
    "updatedBy": "string",
    "validationResults": [
      {
        "state": "string",
        "statusCode": "string",
        "statusMessage": "string",
        "type": "string"
      }
    ]
  },
  "nextToken": "string"
}
```

## Response Elements

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

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

### launchProfiles

A collection of launch profiles.

Type: Array of [LaunchProfile](#) objects

## nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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



# ListStreamingImages

List the streaming image resources available to this studio.

This list will contain both images provided by AWS, as well as streaming images that you have created in your studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-images?nextToken=nextToken&owner=owner
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### nextToken

The token for the next set of results, or null if there are no more results.

### owner

Filter this request to streaming images with the given owner

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "streamingImages": [
    {
      "arn": "string",
      "description": "string",
      "ec2ImageId": "string",
      "encryptionConfiguration": {
        "keyArn": "string",
        "keyType": "string"
      },
      "eulaIds": [ "string" ],
      "name": "string",
      "owner": "string",
      "platform": "string",
      "state": "string",
      "statusCode": "string",
      "statusMessage": "string",
      "streamingImageId": "string",
      "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.

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## [streamingImages](#)

A collection of streaming images.

Type: Array of [StreamingImage](#) objects

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# ListStreamingSessionBackups

Lists the backups of a streaming session in a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-session-backups?  
nextToken=nextToken&ownedBy=ownedBy HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### nextToken

The token for the next set of results, or null if there are no more results.

### ownedBy

The user ID of the user that owns the streaming session.

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "nextToken": "string",
  "streamingSessionBackups": [
    {
      "arn": "string",
      "backupId": "string",
      "createdAt": "string",
      "launchProfileId": "string",
      "ownedBy": "string",
      "sessionId": "string",
      "state": "string",
      "statusCode": "string",
      "statusMessage": "string",
      "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.

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

### streamingSessionBackups

Information about the streaming session backups.

Type: Array of [StreamingSessionBackup](#) objects

## Errors

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

## **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)



# ListStreamingSessions

Lists the streaming sessions in a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/streaming-sessions?  
createdBy=createdBy&nextToken=nextToken&ownedBy=ownedBy&sessionIds=sessionIds HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### createdBy

Filters the request to streaming sessions created by the given user.

### nextToken

The token for the next set of results, or null if there are no more results.

### ownedBy

Filters the request to streaming session owned by the given user

### sessionIds

Filters the request to only the provided session IDs.

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "nextToken": "string",
  "sessions": [
    {
      "arn": "string",
      "automaticTerminationMode": "string",
      "backupMode": "string",
      "createdAt": "string",
      "createdBy": "string",
      "ec2InstanceType": "string",
      "launchProfileId": "string",
      "maxBackupsToRetain": number,
      "ownedBy": "string",
      "sessionId": "string",
      "sessionPersistenceMode": "string",
      "startedAt": "string",
      "startedBy": "string",
      "startedFromBackupId": "string",
      "state": "string",
      "statusCode": "string",
      "statusMessage": "string",
      "stopAt": "string",
      "stoppedAt": "string",
      "stoppedBy": "string",
      "streamingImageId": "string",
      "tags": {
        "string" : "string"
      },
      "terminateAt": "string",
      "updatedAt": "string",
      "updatedBy": "string",
      "volumeConfiguration": {
        "iops": number,
        "size": number,
```

```
        "throughput": number
      },
      "volumeRetentionMode": "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

The token for the next set of results, or null if there are no more results.

Type: String

### sessions

A collection of streaming sessions.

Type: Array of [StreamingSession](#) objects

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

- [AWS SDK for Ruby V3](#)

# ListStudioComponents

Lists the StudioComponents in a studio.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/studio-components?  
maxResults=maxResults&nextToken=nextToken&states=states&types=types HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The max number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token for the next set of results, or null if there are no more results.

### states

Filters the request to studio components that are in one of the given states.

Valid Values: CREATE\_IN\_PROGRESS | READY | UPDATE\_IN\_PROGRESS |  
DELETE\_IN\_PROGRESS | DELETED | DELETE\_FAILED | CREATE\_FAILED |  
UPDATE\_FAILED

### studioId

The studio ID.

Required: Yes

## types

Filters the request to studio components that are of one of the given types.

Valid Values: ACTIVE\_DIRECTORY | SHARED\_FILE\_SYSTEM | COMPUTE\_FARM |  
LICENSE\_SERVICE | CUSTOM

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "studioComponents": [
    {
      "arn": "string",
      "configuration": { ... },
      "createdAt": "string",
      "createdBy": "string",
      "description": "string",
      "ec2SecurityGroupIds": [ "string" ],
      "initializationScripts": [
        {
          "launchProfileProtocolVersion": "string",
          "platform": "string",
          "runContext": "string",
          "script": "string"
        }
      ],
      "name": "string",
      "runtimeRoleArn": "string",
      "scriptParameters": [
        {
          "key": "string",
          "value": "string"
        }
      ]
    }
  ]
}
```

```
    "secureInitializationRoleArn": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioComponentId": "string",
    "subtype": "string",
    "tags": {
        "string" : "string"
    },
    "type": "string",
    "updatedAt": "string",
    "updatedBy": "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

The token for the next set of results, or null if there are no more results.

Type: String

### studioComponents

A collection of studio components.

Type: Array of [StudioComponent](#) objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.



HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# ListStudioMembers

Get all users in a given studio membership.

## Note

ListStudioMembers only returns admin members.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
GET /2020-08-01/studios/studioId/membership?maxResults=maxResults&nextToken=nextToken
HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The max number of results to return in the response.

Valid Range: Minimum value of 1. Maximum value of 100.

### nextToken

The token for the next set of results, or null if there are no more results.

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "members": [
    {
      "identityStoreId": "string",
      "persona": "string",
      "principalId": "string",
      "sid": "string"
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### members

A list of admin members.

Type: Array of [StudioMembership](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

### nextToken

The token for the next set of results, or null if there are no more results.

Type: String

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# ListStudios

List studios in your AWS accounts in the requested AWS Region.

## Request Syntax

```
GET /2020-08-01/studios?nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [nextToken](#)

The token for the next set of results, or null if there are no more results.

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "nextToken": "string",
  "studios": [
    {
      "adminRoleArn": "string",
      "arn": "string",
      "createdAt": "string",
      "displayName": "string",
      "homeRegion": "string",
      "ssoClientId": "string",
      "state": "string",
      "statusCode": "string",
      "statusMessage": "string",
      "studioEncryptionConfiguration": {
        "keyArn": "string",
```

```
    "keyType": "string"
  },
  "studioId": "string",
  "studioName": "string",
  "studioUrl": "string",
  "tags": {
    "string" : "string"
  },
  "updatedAt": "string",
  "userRoleArn": "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](#)

The token for the next set of results, or null if there are no more results.

Type: String

### [studios](#)

A collection of studios.

Type: Array of [Studio](#) objects

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403



## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)

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

# ListTagsForResource

Gets the tags for a resource, given its Amazon Resource Names (ARN).

This operation supports ARNs for all resource types in Nimble Studio that support tags, including studio, studio component, launch profile, streaming image, and streaming session. All resources that can be tagged will contain an ARN property, so you do not have to create this ARN yourself.

## Request Syntax

```
GET /2020-08-01/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 list 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 collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# PutLaunchProfileMembers

Add or update users with given persona to launch profile membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/launch-profiles/launchProfileId/membership HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json
```

```
{
  "identityStoreId": "string",
  "members": [
    {
      "persona": "string",
      "principalId": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### [studioId](#)

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [identityStoreId](#)

The ID of the identity store.

Type: String

Required: Yes

### [members](#)

A list of members.

Type: Array of [NewLaunchProfileMember](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

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 Errors](#).

**AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

**ConflictException**

Another operation is in progress.

HTTP Status Code: 409

**InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

**ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

**ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

**ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

**ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400



## See Also

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

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

# PutStudioMembers

Add or update users with given persona to studio membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/membership HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "identityStoreId": "string",
  "members": [
    {
      "persona": "string",
      "principalId": "string"
    }
  ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### identityStoreId

The ID of the identity store.

Type: String

Required: Yes

### members

A list of members.

Type: Array of [NewStudioMember](#) objects

Array Members: Minimum number of 1 item. Maximum number of 20 items.

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 Errors](#).

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# StartStreamingSession

Transitions sessions from the STOPPED state into the READY state. The START\_IN\_PROGRESS state is the intermediate state between the STOPPED and READY states.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/streaming-sessions/sessionId/start HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "backupId": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### sessionId

The streaming session ID for the StartStreamingSessionRequest.

Required: Yes

### studioId

The studio ID for the StartStreamingSessionRequest.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### backupId

The ID of the backup.

Type: String

Required: No

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "session": {
    "arn": "string",
    "automaticTerminationMode": "string",
    "backupMode": "string",
    "createdAt": "string",
    "createdBy": "string",
    "ec2InstanceType": "string",
    "launchProfileId": "string",
    "maxBackupsToRetain": number,
    "ownedBy": "string",
    "sessionId": "string",
    "sessionPersistenceMode": "string",
    "startedAt": "string",
    "startedBy": "string",
    "startedFromBackupId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "stopAt": "string",
    "stoppedAt": "string",
    "stoppedBy": "string",
    "streamingImageId": "string",
```

```
"tags": {  
    "string" : "string"  
},  
"terminateAt": "string",  
"updatedAt": "string",  
"updatedBy": "string",  
"volumeConfiguration": {  
    "iops": number,  
    "size": number,  
    "throughput": number  
},  
"volumeRetentionMode": "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.

### session

A streaming session is a virtual workstation created using a particular launch profile.

Type: [StreamingSession](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409



## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# StartStudioSSOConfigurationRepair

Repairs the IAM Identity Center configuration for a given studio.

If the studio has a valid IAM Identity Center configuration currently associated with it, this operation will fail with a validation error.

If the studio does not have a valid IAM Identity Center configuration currently associated with it, then a new IAM Identity Center application is created for the studio and the studio is changed to the READY state.

After the IAM Identity Center application is repaired, you must use the Amazon Nimble Studio console to add administrators and users to your studio.

## Request Syntax

```
PUT /2020-08-01/studios/studioId/sso-configuration HTTP/1.1
X-Amz-Client-Token: clientToken
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

{
  "studio": {
    "adminRoleArn": "string",
    "arn": "string",
    "createdAt": "string",
    "displayName": "string",
    "homeRegion": "string",
    "ssoClientId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioEncryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    },
    "studioId": "string",
    "studioName": "string",
    "studioUrl": "string",
    "tags": {
      "string" : "string"
    },
    "updatedAt": "string",
    "userRoleArn": "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.

### studio

Information about a studio.

Type: Studio object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# StopStreamingSession

Transitions sessions from the READY state into the STOPPED state. The STOP\_IN\_PROGRESS state is the intermediate state between the READY and STOPPED states.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
POST /2020-08-01/studios/studioId/streaming-sessions/sessionId/stop HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "volumeRetentionMode": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### sessionId

The streaming session ID for the StopStreamingSessionRequest.

Required: Yes

### studioId

The studioId for the StopStreamingSessionRequest.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### volumeRetentionMode

Adds additional instructions to a streaming session stop action to either retain the EBS volumes or delete the EBS volumes.

Type: String

Valid Values: RETAIN | DELETE

Required: No

## Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "session": {
    "arn": "string",
    "automaticTerminationMode": "string",
    "backupMode": "string",
    "createdAt": "string",
    "createdBy": "string",
    "ec2InstanceType": "string",
    "launchProfileId": "string",
    "maxBackupsToRetain": number,
    "ownedBy": "string",
    "sessionId": "string",
    "sessionPersistenceMode": "string",
    "startedAt": "string",
    "startedBy": "string",
    "startedFromBackupId": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
```



```
"stopAt": "string",
"stoppedAt": "string",
"stoppedBy": "string",
"streamingImageId": "string",
"tags": {
  "string" : "string"
},
"terminateAt": "string",
"updatedAt": "string",
"updatedBy": "string",
"volumeConfiguration": {
  "iops": number,
  "size": number,
  "throughput": number
},
"volumeRetentionMode": "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.

### session

A streaming session is a virtual workstation created using a particular launch profile.

Type: [StreamingSession](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)

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

# TagResource

Creates tags for a resource, given its ARN.

## Request Syntax

```
POST /2020-08-01/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 you want to add tags to.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### tags

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

## 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 Errors](#).

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

# UntagResource

Deletes the tags for a resource.

## Request Syntax

```
DELETE /2020-08-01/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### [resourceArn](#)

Identifies the Amazon Resource Name(ARN) key from which you are removing tags.

Required: Yes

### [tagKeys](#)

One or more tag keys. Specify only the tag keys, not the tag values.

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 Errors](#).

## **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400



## See Also

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

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

# UpdateLaunchProfile

Update a launch profile.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
PATCH /2020-08-01/studios/studioId/launch-profiles/launchProfileId HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "description": "string",
  "launchProfileProtocolVersions": [ "string" ],
  "name": "string",
  "streamConfiguration": {
    "automaticTerminationMode": "string",
    "clipboardMode": "string",
    "ec2InstanceTypes": [ "string" ],
    "maxSessionLengthInMinutes": number,
    "maxStoppedSessionLengthInMinutes": number,
    "sessionBackup": {
      "maxBackupsToRetain": number,
      "mode": "string"
    },
  },
  "sessionPersistenceMode": "string",
  "sessionStorage": {
    "mode": [ "string" ],
    "root": {
      "linux": "string",
      "windows": "string"
    }
  },
  "streamingImageIds": [ "string" ],
  "volumeConfiguration": {
    "iops": number,
    "size": number,
```

```
    "throughput": number
  },
  "studioComponentIds": [ "string" ]
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

The description.

Type: String

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

Required: No

### launchProfileProtocolVersions

The version number of the protocol that is used by the launch profile. The only valid version is "2021-03-31".

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 10.

Pattern: ^2021\-03\-31\$

Required: No

### name

The name for the launch profile.

Type: String

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

Required: No

### streamConfiguration

A configuration for a streaming session.

Type: [StreamConfigurationCreate](#) object

Required: No

### studioComponentIds

Unique identifiers for a collection of studio components that can be used with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "launchProfile": {
    "arn": "string",
    "createdAt": "string",
    "createdBy": "string",
    "description": "string",
    "ec2SubnetIds": [ "string" ],
    "launchProfileId": "string",
    "launchProfileProtocolVersions": [ "string" ],
    "name": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "streamConfiguration": {
      "automaticTerminationMode": "string",
      "clipboardMode": "string",
      "ec2InstanceTypes": [ "string" ],
      "maxSessionLengthInMinutes": number,
      "maxStoppedSessionLengthInMinutes": number,
      "sessionBackup": {
        "maxBackupsToRetain": number,
        "mode": "string"
      },
      "sessionPersistenceMode": "string",
      "sessionStorage": {
        "mode": [ "string" ],
        "root": {
          "linux": "string",
          "windows": "string"
        }
      }
    },
    "streamingImageIds": [ "string" ],
    "volumeConfiguration": {
      "iops": number,
      "size": number,
      "throughput": number
    }
  },
}
```

```
"studioComponentIds": [ "string" ],
"tags": {
  "string" : "string"
},
"updatedAt": "string",
"updatedBy": "string",
"validationResults": [
  {
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "type": "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.

### launchProfile

The launch profile.

Type: [LaunchProfile](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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



# UpdateLaunchProfileMember

Update a user persona in launch profile membership.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
PATCH /2020-08-01/studios/studioId/launch-profiles/launchProfileId/
membership/principalId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "persona": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Required: Yes

### principalId

The principal ID. This currently supports a IAM Identity Center UserId.

Required: Yes

### [studioId](#)

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [persona](#)

The persona.

Type: String

Valid Values: USER

Required: Yes

## Response Syntax

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

{
  "member": {
    "identityStoreId": "string",
    "persona": "string",
    "principalId": "string",
    "sid": "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.

## [member](#)

The updated member.

Type: [LaunchProfileMembership](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## ThrottlingException

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# UpdateStreamingImage

Update streaming image.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
PATCH /2020-08-01/studios/studioId/streaming-images/streamingImageId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "description": "string",
  "name": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### streamingImageId

The streaming image ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### description

The description.

Type: String

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

Required: No

### name

The name for the streaming image.

Type: String

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

Required: No

## Response Syntax

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

{
  "streamingImage": {
    "arn": "string",
    "description": "string",
    "ec2ImageId": "string",
    "encryptionConfiguration": {
      "keyArn": "string",
      "keyType": "string"
    },
    "eulaIds": [ "string " ],
    "name": "string",
```

```
  "owner": "string",
  "platform": "string",
  "state": "string",
  "statusCode": "string",
  "statusMessage": "string",
  "streamingImageId": "string",
  "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.

### [streamingImage](#)

Represents a streaming image resource.

Streaming images are used by studio users to select which operating system and software they want to use in a Nimble Studio streaming session.

Amazon provides a number of streaming images that include popular 3rd-party software.

You can create your own streaming images using an Amazon EC2 machine image that you create for this purpose. You can also include software that your users require.

Type: [StreamingImage](#) object

## Errors

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

### AccessDeniedException

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

## **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

## **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

## **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

## **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)



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

# UpdateStudio

Update a Studio resource.

Currently, this operation only supports updating the displayName of your studio.

## Request Syntax

```
PATCH /2020-08-01/studios/studioId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
  "adminRoleArn": "string",
  "displayName": "string",
  "userRoleArn": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### adminRoleArn

The IAM role that Studio Admins will assume when logging in to the Nimble Studio portal.

Type: String

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

Required: No

### displayName

A friendly name for the studio.

Type: String

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

Required: No

### userRoleArn

The IAM role that Studio Users will assume when logging in to the Nimble Studio portal.

Type: String

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

Required: No

## Response Syntax

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

{
  "studio": {
    "adminRoleArn": "string",
    "arn": "string",
    "createdAt": "string",
    "displayName": "string",
    "homeRegion": "string",
    "ssoClientId": "string",
    "state": "string",
```

```
"statusCode": "string",
"statusMessage": "string",
"studioEncryptionConfiguration": {
  "keyArn": "string",
  "keyType": "string"
},
"studioId": "string",
"studioName": "string",
"studioUrl": "string",
"tags": {
  "string" : "string"
},
"updatedAt": "string",
"userRoleArn": "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.

### studio

Information about a studio.

Type: [Studio](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

### **ValidationException**

One of the parameters in the request is invalid.

HTTP Status Code: 400

## **See Also**

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

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

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

# UpdateStudioComponent

Updates a studio component resource.

## Important

This API is only available to customers who created a Nimble Studio cloud studio before June 19th, 2023. This API won't be accessible after June 19th, 2024.

## Request Syntax

```
PATCH /2020-08-01/studios/studioId/studio-components/studioComponentId HTTP/1.1
```

```
X-Amz-Client-Token: clientToken
```

```
Content-type: application/json
```

```
{
  "configuration": { ... },
  "description": "string",
  "ec2SecurityGroupIds": [ "string" ],
  "initializationScripts": [
    {
      "launchProfileProtocolVersion": "string",
      "platform": "string",
      "runContext": "string",
      "script": "string"
    }
  ],
  "name": "string",
  "runtimeRoleArn": "string",
  "scriptParameters": [
    {
      "key": "string",
      "value": "string"
    }
  ],
  "secureInitializationRoleArn": "string",
  "subtype": "string",
  "type": "string"
}
```

## URI Request Parameters

The request uses the following URI parameters.

### clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. If you don't specify a client token, the AWS SDK automatically generates a client token and uses it for the request to ensure idempotency.

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

### studioComponentId

The studio component ID.

Required: Yes

### studioId

The studio ID.

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### configuration

The configuration of the studio component, based on component type.

Type: [StudioComponentConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### description

The description.

Type: String

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



Required: No

### [ec2SecurityGroupIds](#)

The EC2 security groups that control access to the studio component.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

### [initializationScripts](#)

Initialization scripts for studio components.

Type: Array of [StudioComponentInitializationScript](#) objects

Required: No

### [name](#)

The name for the studio component.

Type: String

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

Required: No

### [runtimeRoleArn](#)

An IAM role attached to a Studio Component that gives the studio component access to AWS resources at anytime while the instance is running.

Type: String

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

Required: No

### [scriptParameters](#)

Parameters for the studio component scripts.

Type: Array of [ScriptParameterKeyValue](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

### secureInitializationRoleArn

An IAM role attached to Studio Component when the system initialization script runs which give the studio component access to AWS resources when the system initialization script runs.

Type: String

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

Required: No

### subtype

The specific subtype of a studio component.

Type: String

Valid Values: AWS\_MANAGED\_MICROSOFT\_AD | AMAZON\_FSX\_FOR\_WINDOWS |  
AMAZON\_FSX\_FOR\_LUSTRE | CUSTOM

Required: No

### type

The type of the studio component.

Type: String

Valid Values: ACTIVE\_DIRECTORY | SHARED\_FILE\_SYSTEM | COMPUTE\_FARM |  
LICENSE\_SERVICE | CUSTOM

Required: No

## Response Syntax

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

{
  "studioComponent": {
    "arn": "string",
    "configuration": { ... },
    "createdAt": "string",
```

```

    "createdBy": "string",
    "description": "string",
    "ec2SecurityGroupIds": [ "string" ],
    "initializationScripts": [
      {
        "launchProfileProtocolVersion": "string",
        "platform": "string",
        "runContext": "string",
        "script": "string"
      }
    ],
    "name": "string",
    "runtimeRoleArn": "string",
    "scriptParameters": [
      {
        "key": "string",
        "value": "string"
      }
    ],
    "secureInitializationRoleArn": "string",
    "state": "string",
    "statusCode": "string",
    "statusMessage": "string",
    "studioComponentId": "string",
    "subtype": "string",
    "tags": {
      "string" : "string"
    },
    "type": "string",
    "updatedAt": "string",
    "updatedBy": "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.

### studioComponent

Information about the studio component.

Type: [StudioComponent](#) object

## Errors

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

### **AccessDeniedException**

You are not authorized to perform this operation. Check your IAM policies, and ensure that you are using the correct access keys.

HTTP Status Code: 403

### **ConflictException**

Another operation is in progress.

HTTP Status Code: 409

### **InternalServerErrorException**

An internal error has occurred. Please retry your request.

HTTP Status Code: 500

### **ResourceNotFoundException**

The specified resource could not be found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

Your current quota does not allow you to perform the request action. You can request increases for some quotas, and other quotas cannot be increased.

Please use AWS Service Quotas to request an increase.

HTTP Status Code: 402

### **ThrottlingException**

The request throughput limit was exceeded.

HTTP Status Code: 429

## ValidationException

One of the parameters in the request is invalid.

HTTP Status Code: 400

## See Also

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

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

# Data Types

The AmazonNimbleStudio 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:

- [ActiveDirectoryComputerAttribute](#)
- [ActiveDirectoryConfiguration](#)
- [ComputeFarmConfiguration](#)
- [Eula](#)
- [EulaAcceptance](#)
- [LaunchProfile](#)
- [LaunchProfileInitialization](#)
- [LaunchProfileInitializationActiveDirectory](#)
- [LaunchProfileInitializationScript](#)
- [LaunchProfileMembership](#)
- [LicenseServiceConfiguration](#)
- [NewLaunchProfileMember](#)
- [NewStudioMember](#)
- [ScriptParameterKeyValue](#)
- [SharedFileSystemConfiguration](#)
- [StreamConfiguration](#)
- [StreamConfigurationCreate](#)
- [StreamConfigurationSessionBackup](#)
- [StreamConfigurationSessionStorage](#)
- [StreamingImage](#)

- [StreamingImageEncryptionConfiguration](#)
- [StreamingSession](#)
- [StreamingSessionBackup](#)
- [StreamingSessionStorageRoot](#)
- [StreamingSessionStream](#)
- [Studio](#)
- [StudioComponent](#)
- [StudioComponentConfiguration](#)
- [StudioComponentInitializationScript](#)
- [StudioComponentSummary](#)
- [StudioEncryptionConfiguration](#)
- [StudioMembership](#)
- [ValidationResult](#)
- [VolumeConfiguration](#)

# ActiveDirectoryComputerAttribute

An LDAP attribute of an Active Directory computer account, in the form of a name:value pair.

## Contents

### name

The name for the LDAP attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 40.

Required: No

### value

The value for the LDAP attribute.

Type: String

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

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](#)



# ActiveDirectoryConfiguration

The configuration for a AWS Directory Service for Microsoft Active Directory studio resource.

## Contents

### computerAttributes

A collection of custom attributes for an Active Directory computer.

Type: Array of [ActiveDirectoryComputerAttribute](#) objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

### directoryId

The directory ID of the AWS Directory Service for Microsoft Active Directory to access using this studio component.

Type: String

Required: No

### organizationalUnitDistinguishedName

The distinguished name (DN) and organizational unit (OU) of an Active Directory computer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

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](#)

# ComputeFarmConfiguration

The configuration for a render farm that is associated with a studio resource.

## Contents

### **activeDirectoryUser**

The name of an Active Directory user that is used on ComputeFarm worker instances.

Type: String

Required: No

### **endpoint**

The endpoint of the ComputeFarm that is accessed by the studio component resource.

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](#)

# Eula

Represents a EULA resource.

## Contents

### **content**

The EULA content.

Type: String

Required: No

### **createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

### **eulaId**

The EULA ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **name**

The name for the EULA.

Type: String

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

Required: No

### **updatedAt**

The ISO timestamp in seconds for when the resource 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](#)

# EulaAcceptance

The acceptance of a EULA, required to use Amazon-provided streaming images.

## Contents

### **acceptedAt**

The ISO timestamp in seconds for when the EULA was accepted.

Type: Timestamp

Required: No

### **acceptedBy**

The ID of the person who accepted the EULA.

Type: String

Required: No

### **accepteeId**

The ID of the acceptee.

Type: String

Required: No

### **eulaAcceptanceId**

The EULA acceptance ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **eulaId**

The EULA ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

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](#)

# LaunchProfile

A launch profile controls your artist workforce's access to studio components, like compute farms, shared file systems, managed file systems, and license server configurations, as well as instance types and Amazon Machine Images (AMIs).

Studio administrators create launch profiles in the Nimble Studio console. Artists can use their launch profiles to launch an instance from the Nimble Studio portal. Each user's launch profile defines how they can launch a streaming session. By default, studio admins can use all launch profiles.

## Contents

### **arn**

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

### **createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

### **createdBy**

The user ID of the user that created the launch profile.

Type: String

Required: No

### **description**

A human-readable description of the launch profile.

Type: String



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

Required: No

### **ec2SubnetIds**

Unique identifiers for a collection of EC2 subnets.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 6 items.

Required: No

### **launchProfileId**

The ID of the launch profile used to control access from the streaming session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **launchProfileProtocolVersions**

The version number of the protocol that is used by the launch profile. The only valid version is "2021-03-31".

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 10.

Pattern: `^2021\-\03\-\31$`

Required: No

### **name**

A friendly name for the launch profile.

Type: String

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

Required: No

### **state**

The current state.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | READY | UPDATE\_IN\_PROGRESS |  
DELETE\_IN\_PROGRESS | DELETED | DELETE\_FAILED | CREATE\_FAILED |  
UPDATE\_FAILED

Required: No

### **statusCode**

The status code.

Type: String

Valid Values: LAUNCH\_PROFILE\_CREATED | LAUNCH\_PROFILE\_UPDATED |  
LAUNCH\_PROFILE\_DELETED | LAUNCH\_PROFILE\_CREATE\_IN\_PROGRESS |  
LAUNCH\_PROFILE\_UPDATE\_IN\_PROGRESS | LAUNCH\_PROFILE\_DELETE\_IN\_PROGRESS |  
INTERNAL\_ERROR | STREAMING\_IMAGE\_NOT\_FOUND | STREAMING\_IMAGE\_NOT\_READY  
| LAUNCH\_PROFILE\_WITH\_STREAM\_SESSIONS\_NOT\_DELETED |  
ENCRYPTION\_KEY\_ACCESS\_DENIED | ENCRYPTION\_KEY\_NOT\_FOUND |  
INVALID\_SUBNETS\_PROVIDED | INVALID\_INSTANCE\_TYPES\_PROVIDED |  
INVALID\_SUBNETS\_COMBINATION

Required: No

### **statusMessage**

The status message for the launch profile.

Type: String

Required: No

### **streamConfiguration**

A configuration for a streaming session.

Type: [StreamConfiguration](#) object

Required: No

### **studioComponentIds**

Unique identifiers for a collection of studio components that can be used with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: No

### **tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### **updatedAt**

The ISO timestamp in seconds for when the resource was updated.

Type: Timestamp

Required: No

### **updatedBy**

The user ID of the user that most recently updated the resource.

Type: String

Required: No

### **validationResults**

The list of the latest validation results.

Type: Array of [ValidationResult](#) objects

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](#)

# LaunchProfileInitialization

A launch profile initialization contains information required for a workstation or server to connect to a launch profile.

This includes scripts, endpoints, security groups, subnets, and other configuration.

## Contents

### activeDirectory

A LaunchProfileInitializationActiveDirectory resource.

Type: [LaunchProfileInitializationActiveDirectory](#) object

Required: No

### ec2SecurityGroupIds

The EC2 security groups that control access to the studio component.

Type: Array of strings

Array Members: Minimum number of 1 item.

Required: No

### launchProfileId

The ID of the launch profile used to control access from the streaming session.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### launchProfileProtocolVersion

The version number of the protocol that is used by the launch profile. The only valid version is "2021-03-31".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10.

Pattern: ^2021\ -03\ -31\$

Required: No

## **launchPurpose**

The launch purpose.

Type: String

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

Pattern: ^[A-Z0-9\_]+\$

Required: No

## **name**

The name for the launch profile.

Type: String

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

Required: No

## **platform**

The platform of the launch platform, either Windows or Linux.

Type: String

Valid Values: LINUX | WINDOWS

Required: No

## **systemInitializationScripts**

The system initialization scripts.

Type: Array of [LaunchProfileInitializationScript](#) objects

Required: No

## userInitializationScripts

The user initialization scripts.

Type: Array of [LaunchProfileInitializationScript](#) objects

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](#)

# LaunchProfileInitializationActiveDirectory

The launch profile initialization Active Directory contains information required for the launch profile to connect to the Active Directory.

## Contents

### computerAttributes

A collection of custom attributes for an Active Directory computer.

Type: Array of [ActiveDirectoryComputerAttribute](#) objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

Required: No

### directoryId

The directory ID of the AWS Directory Service for Microsoft Active Directory to access using this launch profile.

Type: String

Required: No

### directoryName

The directory name.

Type: String

Required: No

### dnsIpAddresses

The DNS IP address.

Type: Array of strings

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

Required: No



**organizationalUnitDistinguishedName**

The name for the organizational unit distinguished name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Required: No

**studioComponentId**

The unique identifier for a studio component resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

**studioComponentName**

The name for the studio component.

Type: String

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

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](#)

# LaunchProfileInitializationScript

The launch profile initialization script is used when start streaming session runs.

## Contents

### **runtimeRoleArn**

An IAM role attached to a Studio Component that gives the studio component access to AWS resources at anytime while the instance is running.

Type: String

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

Required: No

### **script**

The initialization script.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5120.

Required: No

### **secureInitializationRoleArn**

An IAM role attached to Studio Component when the system initialization script runs which give the studio component access to AWS resources when the system initialization script runs.

Type: String

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

Required: No

### **studioComponentId**

The unique identifier for a studio component resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **studioComponentName**

The name for the studio component.

Type: String

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

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](#)

# LaunchProfileMembership

Studio admins can use launch profile membership to delegate launch profile access to studio users in the Nimble Studio portal without writing or maintaining complex IAM policies. A launch profile member is a user association from your studio identity source who is granted permissions to a launch profile.

A launch profile member (type USER) provides the following permissions to that launch profile:

- GetLaunchProfile
- GetLaunchProfileInitialization
- GetLaunchProfileMembers
- GetLaunchProfileMember
- CreateStreamingSession
- GetLaunchProfileDetails

## Contents

### **identityStoreId**

The ID of the identity store.

Type: String

Required: No

### **persona**

The persona.

Type: String

Valid Values: USER

Required: No

### **principalId**

The principal ID.

Type: String

Required: No

**sid**

The Active Directory Security Identifier for this user, if available.

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](#)

# LicenseServiceConfiguration

The configuration for a license service that is associated with a studio resource.

## Contents

### endpoint

The endpoint of the license service that is accessed by the studio component resource.

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](#)

# NewLaunchProfileMember

A new member that is added to a launch profile.

## Contents

### persona

The persona.

Type: String

Valid Values: USER

Required: Yes

### principalId

The principal ID.

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](#)

# NewStudioMember

A new studio user's membership.

## Contents

### persona

The persona.

Type: String

Valid Values: ADMINISTRATOR

Required: Yes

### principalId

The principal ID.

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](#)



# ScriptParameterKeyValue

A parameter for a studio component script, in the form of a key-value pair.

## Contents

### key

A script parameter key.

Type: String

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

Pattern: `^[a-zA-Z_][a-zA-Z0-9_]+$`

Required: No

### value

A script parameter value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

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](#)

# SharedFileSystemConfiguration

The configuration for a shared file storage system that is associated with a studio resource.

## Contents

### endpoint

The endpoint of the shared file system that is accessed by the studio component resource.

Type: String

Required: No

### fileSystemId

The unique identifier for a file system.

Type: String

Required: No

### linuxMountPoint

The mount location for a shared file system on a Linux virtual workstation.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Pattern: `^(/?|(\$HOME)?(/[^\\n\\s\\]|)+)*$`

Required: No

### shareName

The name of the file share.

Type: String

Required: No

### windowsMountDrive

The mount location for a shared file system on a Windows virtual workstation.

Type: String

Pattern: `^[A-Z]$`

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](#)

# StreamConfiguration

A configuration for a streaming session.

## Contents

### clipboardMode

Allows or deactivates the use of the system clipboard to copy and paste between the streaming session and streaming client.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### ec2InstanceTypes

The EC2 instance types that users can select from when launching a streaming session with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 30 items.

Valid Values: g4dn.xlarge | g4dn.2xlarge | g4dn.4xlarge | g4dn.8xlarge | g4dn.12xlarge | g4dn.16xlarge | g3.4xlarge | g3s.xlarge | g5.xlarge | g5.2xlarge | g5.4xlarge | g5.8xlarge | g5.16xlarge

Required: Yes

### streamingImageIds

The streaming images that users can select from when launching a streaming session with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: Yes

### **automaticTerminationMode**

Indicates if a streaming session created from this launch profile should be terminated automatically or retained without termination after being in a STOPPED state.

- When ACTIVATED, the streaming session is scheduled for termination after being in the STOPPED state for the time specified in `maxStoppedSessionLengthInMinutes`.
- When DEACTIVATED, the streaming session can remain in the STOPPED state indefinitely.

This parameter is only allowed when `sessionPersistenceMode` is ACTIVATED. When allowed, the default value for this parameter is DEACTIVATED.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### **maxSessionLengthInMinutes**

The length of time, in minutes, that a streaming session can be active before it is stopped or terminated. After this point, Nimble Studio automatically terminates or stops the session. The default length of time is 690 minutes, and the maximum length of time is 30 days.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 43200.

Required: No

### **maxStoppedSessionLengthInMinutes**

Integer that determines if you can start and stop your sessions and how long a session can stay in the STOPPED state. The default value is 0. The maximum value is 5760.

This field is allowed only when `sessionPersistenceMode` is ACTIVATED and `automaticTerminationMode` is ACTIVATED.

If the value is set to 0, your sessions can't be STOPPED. If you then call `StopStreamingSession`, the session fails. If the time that a session stays in the READY state exceeds the `maxSessionLengthInMinutes` value, the session will automatically be terminated (instead of STOPPED).

If the value is set to a positive number, the session can be stopped. You can call `StopStreamingSession` to stop sessions in the READY state. If the time that a session stays in the READY state exceeds the `maxSessionLengthInMinutes` value, the session will automatically be stopped (instead of terminated).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 5760.

Required: No

### **sessionBackup**

Information about the streaming session backup.

Type: [StreamConfigurationSessionBackup](#) object

Required: No

### **sessionPersistenceMode**

Determine if a streaming session created from this launch profile can configure persistent storage. This means that `volumeConfiguration` and `automaticTerminationMode` are configured.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### **sessionStorage**

The upload storage for a streaming session.

Type: [StreamConfigurationSessionStorage](#) object

Required: No

### **volumeConfiguration**

Custom volume configuration for the root volumes that are attached to streaming sessions.

This parameter is only allowed when `sessionPersistenceMode` is ACTIVATED.

Type: [VolumeConfiguration](#) object

Required: No

## See Also

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

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

# StreamConfigurationCreate

Configuration for streaming workstations created using this launch profile.

## Contents

### clipboardMode

Allows or deactivates the use of the system clipboard to copy and paste between the streaming session and streaming client.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

### ec2InstanceTypes

The EC2 instance types that users can select from when launching a streaming session with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 30 items.

Valid Values: g4dn.xlarge | g4dn.2xlarge | g4dn.4xlarge | g4dn.8xlarge | g4dn.12xlarge | g4dn.16xlarge | g3.4xlarge | g3s.xlarge | g5.xlarge | g5.2xlarge | g5.4xlarge | g5.8xlarge | g5.16xlarge

Required: Yes

### streamingImageIds

The streaming images that users can select from when launching a streaming session with this launch profile.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 20 items.

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`



Required: Yes

### **automaticTerminationMode**

Indicates if a streaming session created from this launch profile should be terminated automatically or retained without termination after being in a STOPPED state.

- When ACTIVATED, the streaming session is scheduled for termination after being in the STOPPED state for the time specified in `maxStoppedSessionLengthInMinutes`.
- When DEACTIVATED, the streaming session can remain in the STOPPED state indefinitely.

This parameter is only allowed when `sessionPersistenceMode` is ACTIVATED. When allowed, the default value for this parameter is DEACTIVATED.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### **maxSessionLengthInMinutes**

The length of time, in minutes, that a streaming session can be active before it is stopped or terminated. After this point, Nimble Studio automatically terminates or stops the session. The default length of time is 690 minutes, and the maximum length of time is 30 days.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 43200.

Required: No

### **maxStoppedSessionLengthInMinutes**

Integer that determines if you can start and stop your sessions and how long a session can stay in the STOPPED state. The default value is 0. The maximum value is 5760.

This field is allowed only when `sessionPersistenceMode` is ACTIVATED and `automaticTerminationMode` is ACTIVATED.

If the value is set to 0, your sessions can't be STOPPED. If you then call `StopStreamingSession`, the session fails. If the time that a session stays in the READY state exceeds the `maxSessionLengthInMinutes` value, the session will automatically be terminated (instead of STOPPED).

If the value is set to a positive number, the session can be stopped. You can call `StopStreamingSession` to stop sessions in the READY state. If the time that a session stays in the READY state exceeds the `maxSessionLengthInMinutes` value, the session will automatically be stopped (instead of terminated).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 5760.

Required: No

### **sessionBackup**

Configures how streaming sessions are backed up when launched from this launch profile.

Type: [StreamConfigurationSessionBackup](#) object

Required: No

### **sessionPersistenceMode**

Determine if a streaming session created from this launch profile can configure persistent storage. This means that `volumeConfiguration` and `automaticTerminationMode` are configured.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### **sessionStorage**

The upload storage for a streaming workstation that is created using this launch profile.

Type: [StreamConfigurationSessionStorage](#) object

Required: No

### **volumeConfiguration**

Custom volume configuration for the root volumes that are attached to streaming sessions.

This parameter is only allowed when `sessionPersistenceMode` is ACTIVATED.

Type: [VolumeConfiguration](#) object

Required: No

## See Also

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

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

# StreamConfigurationSessionBackup

Configures how streaming sessions are backed up when launched from this launch profile.

## Contents

### maxBackupsToRetain

The maximum number of backups that each streaming session created from this launch profile can have.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

Required: No

### mode

Specifies how artists sessions are backed up.

Configures backups for streaming sessions launched with this launch profile. The default value is DEACTIVATED, which means that backups are deactivated. To allow backups, set this value to AUTOMATIC.

Type: String

Valid Values: AUTOMATIC | DEACTIVATED

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](#)

# StreamConfigurationSessionStorage

The configuration for a streaming session's upload storage.

## Contents

### mode

Allows artists to upload files to their workstations. The only valid option is UPLOAD.

Type: Array of strings

Array Members: Minimum number of 1 item.

Valid Values: UPLOAD

Required: Yes

### root

The configuration for the upload storage root of the streaming session.

Type: [StreamingSessionStorageRoot](#) object

Required: No

## See Also

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

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

# StreamingImage

Represents a streaming image resource.

Streaming images are used by studio users to select which operating system and software they want to use in a Nimble Studio streaming session.

Amazon provides a number of streaming images that include popular 3rd-party software.

You can create your own streaming images using an Amazon EC2 machine image that you create for this purpose. You can also include software that your users require.

## Contents

### arn

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

### description

A human-readable description of the streaming image.

Type: String

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

Required: No

### ec2ImageId

The ID of an EC2 machine image with which to create the streaming image.

Type: String

Pattern: ^ami-[0-9A-z]+\$

Required: No

## encryptionConfiguration

The encryption configuration.

Type: [StreamingImageEncryptionConfiguration](#) object

Required: No

## eulads

The list of EULAs that must be accepted before a Streaming Session can be started using this streaming image.

Type: Array of strings

Required: No

## name

A friendly name for a streaming image resource.

Type: String

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

Required: No

## owner

The owner of the streaming image, either the studioId that contains the streaming image, or amazon for images that are provided by Amazon Nimble Studio.

Type: String

Required: No

## platform

The platform of the streaming image, either Windows or Linux.

Type: String

Pattern: `^[a-zA-Z]*$`

Required: No

**state**

The current state.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | READY | DELETE\_IN\_PROGRESS | DELETED | UPDATE\_IN\_PROGRESS | UPDATE\_FAILED | CREATE\_FAILED | DELETE\_FAILED

Required: No

**statusCode**

The status code.

Type: String

Valid Values: STREAMING\_IMAGE\_CREATE\_IN\_PROGRESS | STREAMING\_IMAGE\_READY | STREAMING\_IMAGE\_DELETE\_IN\_PROGRESS | STREAMING\_IMAGE\_DELETED | STREAMING\_IMAGE\_UPDATE\_IN\_PROGRESS | INTERNAL\_ERROR | ACCESS\_DENIED

Required: No

**statusMessage**

The status message for the streaming image.

Type: String

Required: No

**streamingImageId**

The ID of the streaming image.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

**tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.



Type: String to string map

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](#)

# StreamingImageEncryptionConfiguration

Specifies how a streaming image is encrypted.

## Contents

### keyType

The type of KMS key that is used to encrypt studio data.

Type: String

Valid Values: CUSTOMER\_MANAGED\_KEY

Required: Yes

### keyArn

The ARN for a KMS key that is used to encrypt studio data.

Type: String

Length Constraints: Minimum length of 4.

Pattern: ^arn:.\*

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](#)

# StreamingSession

A streaming session is a virtual workstation created using a particular launch profile.

## Contents

### arn

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

### automaticTerminationMode

Indicates if a streaming session created from this launch profile should be terminated automatically or retained without termination after being in a STOPPED state.

- When ACTIVATED, the streaming session is scheduled for termination after being in the STOPPED state for the time specified in `maxStoppedSessionLengthInMinutes`.
- When DEACTIVATED, the streaming session can remain in the STOPPED state indefinitely.

This parameter is only allowed when `sessionPersistenceMode` is ACTIVATED. When allowed, the default value for this parameter is DEACTIVATED.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### backupMode

Shows the current backup setting of the session.

Type: String

Valid Values: AUTOMATIC | DEACTIVATED

Required: No

**createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

**createdBy**

The user ID of the user that created the streaming session.

Type: String

Required: No

**ec2InstanceType**

The EC2 Instance type used for the streaming session.

Type: String

Required: No

**launchProfileId**

The ID of the launch profile used to control access from the streaming session.

Type: String

Required: No

**maxBackupsToRetain**

The maximum number of backups of a streaming session that you can have. When the maximum number of backups is reached, the oldest backup is deleted.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10.

Required: No

**ownedBy**

The user ID of the user that owns the streaming session. The user that owns the session will be logging into the session and interacting with the virtual workstation.

Type: String

Required: No

### **sessionId**

The session ID.

Type: String

Required: No

### **sessionPersistenceMode**

Determine if a streaming session created from this launch profile can configure persistent storage. This means that `volumeConfiguration` and `automaticTerminationMode` are configured.

Type: String

Valid Values: DEACTIVATED | ACTIVATED

Required: No

### **startedAt**

The time the session entered `START_IN_PROGRESS` state.

Type: Timestamp

Required: No

### **startedBy**

The user ID of the user that started the streaming session.

Type: String

Required: No

### **startedFromBackupId**

The backup ID used to restore a streaming session.

Type: String

Required: No

### **state**

The current state.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | DELETE\_IN\_PROGRESS | READY | DELETED |  
CREATE\_FAILED | DELETE\_FAILED | STOP\_IN\_PROGRESS | START\_IN\_PROGRESS |  
STOPPED | STOP\_FAILED | START\_FAILED

Required: No

### **statusCode**

The status code.

Type: String

Valid Values: STREAMING\_SESSION\_READY | STREAMING\_SESSION\_DELETED |  
STREAMING\_SESSION\_CREATE\_IN\_PROGRESS |  
STREAMING\_SESSION\_DELETE\_IN\_PROGRESS | INTERNAL\_ERROR |  
INSUFFICIENT\_CAPACITY | ACTIVE\_DIRECTORY\_DOMAIN\_JOIN\_ERROR  
| NETWORK\_CONNECTION\_ERROR | INITIALIZATION\_SCRIPT\_ERROR  
| DECRYPT\_STREAMING\_IMAGE\_ERROR | NETWORK\_INTERFACE\_ERROR  
| STREAMING\_SESSION\_STOPPED | STREAMING\_SESSION\_STARTED |  
STREAMING\_SESSION\_STOP\_IN\_PROGRESS | STREAMING\_SESSION\_START\_IN\_PROGRESS  
| AMI\_VALIDATION\_ERROR

Required: No

### **statusMessage**

The status message for the streaming session.

Type: String

Required: No

### **stopAt**

The time the streaming session will automatically be stopped if the user doesn't stop the session themselves.

Type: Timestamp

Required: No

### **stoppedAt**

The time the session entered STOP\_IN\_PROGRESS state.

Type: Timestamp

Required: No

### **stoppedBy**

The user ID of the user that stopped the streaming session.

Type: String

Required: No

### **streamingImageId**

The ID of the streaming image.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### **terminateAt**

The time the streaming session will automatically terminate if not terminated by the user.

Type: Timestamp

Required: No

**updatedAt**

The ISO timestamp in seconds for when the resource was updated.

Type: Timestamp

Required: No

**updatedBy**

The user ID of the user that most recently updated the resource.

Type: String

Required: No

**volumeConfiguration**

Custom volume configuration for the root volumes that are attached to streaming sessions.

This parameter is only allowed when `sessionPersistenceMode` is `ACTIVATED`.

Type: [VolumeConfiguration](#) object

Required: No

**volumeRetentionMode**

Determine if an EBS volume created from this streaming session will be backed up.

Type: String

Valid Values: RETAIN | DELETE

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](#)





# StreamingSessionBackup

Information about the streaming session backup.

## Contents

### **arn**

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

### **backupId**

The ID of the backup.

Type: String

Required: No

### **createdAt**

The ISO timestamp in for when the resource was created.

Type: Timestamp

Required: No

### **launchProfileId**

The ID of the launch profile which allowed the backups for the streaming session.

Type: String

Required: No

### **ownedBy**

The user ID of the user that owns the streaming session.

Type: String

Required: No

**sessionId**

The streaming session ID for the `StreamingSessionBackup`.

Type: String

Required: No

**state**

The streaming session state.

Type: String

Valid Values: `CREATE_IN_PROGRESS` | `DELETE_IN_PROGRESS` | `READY` | `DELETED` | `CREATE_FAILED` | `DELETE_FAILED` | `STOP_IN_PROGRESS` | `START_IN_PROGRESS` | `STOPPED` | `STOP_FAILED` | `START_FAILED`

Required: No

**statusCode**

The status code.

Type: String

Valid Values: `STREAMING_SESSION_READY` | `STREAMING_SESSION_DELETED` | `STREAMING_SESSION_CREATE_IN_PROGRESS` | `STREAMING_SESSION_DELETE_IN_PROGRESS` | `INTERNAL_ERROR` | `INSUFFICIENT_CAPACITY` | `ACTIVE_DIRECTORY_DOMAIN_JOIN_ERROR` | `NETWORK_CONNECTION_ERROR` | `INITIALIZATION_SCRIPT_ERROR` | `DECRYPT_STREAMING_IMAGE_ERROR` | `NETWORK_INTERFACE_ERROR` | `STREAMING_SESSION_STOPPED` | `STREAMING_SESSION_STARTED` | `STREAMING_SESSION_STOP_IN_PROGRESS` | `STREAMING_SESSION_START_IN_PROGRESS` | `AMI_VALIDATION_ERROR`

Required: No

**statusMessage**

The status message for the streaming session backup.

Type: String

Required: No

### **tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

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](#)

# StreamingSessionStorageRoot

The upload storage root location (folder) on streaming workstations where files are uploaded.

## Contents

### linux

The folder path in Linux workstations where files are uploaded.

Type: String

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

Pattern: `^(\\$HOME|/)[/]?([A-Za-z0-9-_]+)/*([A-Za-z0-9_-]+)$`

Required: No

### windows

The folder path in Windows workstations where files are uploaded.

Type: String

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

Pattern: `^(\\%HOMEPATH\\%|[a-zA-Z]:)[\\\/](?:[a-zA-Z0-9_-]+[\\\/])*[a-zA-Z0-9_-]+$`

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](#)

# StreamingSessionStream

A stream is an active connection to a streaming session, enabling a studio user to control the streaming session using a compatible client. Streaming session streams are compatible with the NICE DCV web client, included in the Nimble Studio portal, or the NICE DCV desktop client.

## Contents

### **createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

### **createdBy**

The user ID of the user that created the streaming session stream.

Type: String

Required: No

### **expiresAt**

The ISO timestamp in seconds for when the resource expires.

Type: Timestamp

Required: No

### **ownedBy**

The user ID of the user that owns the streaming session. The user that owns the session will be logging into the session and interacting with the virtual workstation.

Type: String

Required: No

### **state**

The current state.

Type: String

Valid Values: READY | CREATE\_IN\_PROGRESS | DELETE\_IN\_PROGRESS | DELETED |  
CREATE\_FAILED | DELETE\_FAILED

Required: No

### **statusCode**

The streaming session stream status code.

Type: String

Valid Values: STREAM\_CREATE\_IN\_PROGRESS | STREAM\_READY |  
STREAM\_DELETE\_IN\_PROGRESS | STREAM\_DELETED | INTERNAL\_ERROR |  
NETWORK\_CONNECTION\_ERROR

Required: No

### **streamId**

The stream ID.

Type: String

Required: No

### **url**

The URL to connect to this stream using the DCV client.

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](#)





# Studio

Represents a studio resource.

A studio is the core resource used with Nimble Studio. You must create a studio first, before any other resource type can be created. All other resources you create and manage in Nimble Studio are contained within a studio.

When creating a studio, you must provide two IAM roles for use with the Nimble Studio portal. These roles are assumed by your users when they log in to the Nimble Studio portal via IAM Identity Center and your identity source.

The user role must have the `AmazonNimbleStudio-StudioUser` managed policy attached for the portal to function properly.

The admin role must have the `AmazonNimbleStudio-StudioAdmin` managed policy attached for the portal to function properly.

Your studio roles must trust the `identity.nimble.amazonaws.com` service principal to function properly.

## Contents

### `adminRoleArn`

The IAM role that studio admins assume when logging in to the Nimble Studio portal.

Type: String

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

Required: No

### `arn`

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

**createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

**displayName**

A friendly name for the studio.

Type: String

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

Required: No

**homeRegion**

The AWS Region where the studio resource is located.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[a-z]{2}-?(iso|gov)?-{1}[a-z]*-{1}[0-9]`

Required: No

**ssoClientId**

The IAM Identity Center application client ID used to integrate with IAM Identity Center. This ID allows IAM Identity Center users to log in to Nimble Studio portal.

Type: String

Required: No

**state**

The current state of the studio resource.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | READY | UPDATE\_IN\_PROGRESS | DELETE\_IN\_PROGRESS | DELETED | DELETE\_FAILED | CREATE\_FAILED | UPDATE\_FAILED

Required: No

### **statusCode**

Status codes that provide additional detail on the studio state.

Type: String

Valid Values: STUDIO\_CREATED | STUDIO\_DELETED | STUDIO\_UPDATED | STUDIO\_CREATE\_IN\_PROGRESS | STUDIO\_UPDATE\_IN\_PROGRESS | STUDIO\_DELETE\_IN\_PROGRESS | STUDIO\_WITH\_LAUNCH\_PROFILES\_NOT\_DELETED | STUDIO\_WITH\_STUDIO\_COMPONENTS\_NOT\_DELETED | STUDIO\_WITH\_STREAMING\_IMAGES\_NOT\_DELETED | AWS\_SSO\_NOT\_ENABLED | AWS\_SSO\_ACCESS\_DENIED | ROLE\_NOT\_OWNED\_BY\_STUDIO\_OWNER | ROLE\_COULD\_NOT\_BE\_ASSUMED | INTERNAL\_ERROR | ENCRYPTION\_KEY\_NOT\_FOUND | ENCRYPTION\_KEY\_ACCESS\_DENIED | AWS\_SSO\_CONFIGURATION\_REPAIRED | AWS\_SSO\_CONFIGURATION\_REPAIR\_IN\_PROGRESS | AWS\_STS\_REGION\_DISABLED

Required: No

### **statusMessage**

Additional detail on the studio state.

Type: String

Required: No

### **studioEncryptionConfiguration**

Configuration of the encryption method that is used for the studio.

Type: [StudioEncryptionConfiguration](#) object

Required: No

### **studioId**

The unique identifier for a studio resource. In Nimble Studio, all other resources are contained in a studio resource.

Type: String

Required: No

### **studioName**

The name of the studio, as included in the URL when accessing it in the Nimble Studio portal.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 64.

Pattern: `^[a-z0-9]*$`

Required: No

### **studioUrl**

The address of the web page for the studio.

Type: String

Required: No

### **tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### **updatedAt**

The ISO timestamp in seconds for when the resource was updated.

Type: Timestamp

Required: No

### **userRoleArn**

The IAM role that studio users assume when logging in to the Nimble Studio portal.

Type: String

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

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](#)

# StudioComponent

A studio component represents a network resource to be used by a studio's users and workflows. A typical studio contains studio components for each of the following: render farm, Active Directory, licensing, and file system.

Access to a studio component is managed by specifying security groups for the resource, as well as its endpoint.

A studio component also has a set of initialization scripts that are returned by `GetLaunchProfileInitialization`. These initialization scripts run on streaming sessions when they start. They provide users with flexibility in controlling how the studio resources are configured on a streaming session.

## Contents

### arn

The Amazon Resource Name (ARN) that is assigned to a studio resource and uniquely identifies it. ARNs are unique across all Regions.

Type: String

Required: No

### configuration

The configuration of the studio component, based on component type.

Type: [StudioComponentConfiguration](#) object

**Note:** This object is a Union. Only one member of this object can be specified or returned.

Required: No

### createdAt

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

**createdBy**

The user ID of the user that created the studio component.

Type: String

Required: No

**description**

A human-readable description for the studio component resource.

Type: String

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

Required: No

**ec2SecurityGroupIds**

The EC2 security groups that control access to the studio component.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

**initializationScripts**

Initialization scripts for studio components.

Type: Array of [StudioComponentInitializationScript](#) objects

Required: No

**name**

A friendly name for the studio component resource.

Type: String

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

Required: No

## runtimeRoleArn

An IAM role attached to a Studio Component that gives the studio component access to AWS resources at anytime while the instance is running.

Type: String

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

Required: No

## scriptParameters

Parameters for the studio component scripts.

Type: Array of [ScriptParameterKeyValue](#) objects

Array Members: Minimum number of 0 items. Maximum number of 30 items.

Required: No

## secureInitializationRoleArn

An IAM role attached to Studio Component when the system initialization script runs which give the studio component access to AWS resources when the system initialization script runs.

Type: String

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

Required: No

## state

The current state.

Type: String

Valid Values: CREATE\_IN\_PROGRESS | READY | UPDATE\_IN\_PROGRESS | DELETE\_IN\_PROGRESS | DELETED | DELETE\_FAILED | CREATE\_FAILED | UPDATE\_FAILED

Required: No

## statusCode

The status code.



Type: String

Valid Values: ACTIVE\_DIRECTORY\_ALREADY\_EXISTS | STUDIO\_COMPONENT\_CREATED  
| STUDIO\_COMPONENT\_UPDATED | STUDIO\_COMPONENT\_DELETED |  
ENCRYPTION\_KEY\_ACCESS\_DENIED | ENCRYPTION\_KEY\_NOT\_FOUND |  
STUDIO\_COMPONENT\_CREATE\_IN\_PROGRESS |  
STUDIO\_COMPONENT\_UPDATE\_IN\_PROGRESS |  
STUDIO\_COMPONENT\_DELETE\_IN\_PROGRESS | INTERNAL\_ERROR

Required: No

### **statusMessage**

The status message for the studio component.

Type: String

Required: No

### **studioComponentId**

The unique identifier for a studio component resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **subtype**

The specific subtype of a studio component.

Type: String

Valid Values: AWS\_MANAGED\_MICROSOFT\_AD | AMAZON\_FSX\_FOR\_WINDOWS |  
AMAZON\_FSX\_FOR\_LUSTRE | CUSTOM

Required: No

### **tags**

A collection of labels, in the form of key-value pairs, that apply to this resource.

Type: String to string map

Required: No

### **type**

The type of the studio component.

Type: String

Valid Values: ACTIVE\_DIRECTORY | SHARED\_FILE\_SYSTEM | COMPUTE\_FARM |  
LICENSE\_SERVICE | CUSTOM

Required: No

### **updatedAt**

The ISO timestamp in seconds for when the resource was updated.

Type: Timestamp

Required: No

### **updatedBy**

The user ID of the user that most recently updated the resource.

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](#)

# StudioComponentConfiguration

The configuration of the studio component, based on component type.

## Contents

### Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

### activeDirectoryConfiguration

The configuration for a AWS Directory Service for Microsoft Active Directory studio resource.

Type: [ActiveDirectoryConfiguration](#) object

Required: No

### computeFarmConfiguration

The configuration for a render farm that is associated with a studio resource.

Type: [ComputeFarmConfiguration](#) object

Required: No

### licenseServiceConfiguration

The configuration for a license service that is associated with a studio resource.

Type: [LicenseServiceConfiguration](#) object

Required: No

### sharedFileSystemConfiguration

The configuration for a shared file storage system that is associated with a studio resource.

Type: [SharedFileSystemConfiguration](#) object

Required: No

## See Also

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

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

# StudioComponentInitializationScript

Initialization scripts for studio components.

## Contents

### launchProfileProtocolVersion

The version number of the protocol that is used by the launch profile. The only valid version is "2021-03-31".

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10.

Pattern: ^2021\-\03\-\31\$

Required: No

### platform

The platform of the initialization script, either Windows or Linux.

Type: String

Valid Values: LINUX | WINDOWS

Required: No

### runContext

The method to use when running the initialization script.

Type: String

Valid Values: SYSTEM\_INITIALIZATION | USER\_INITIALIZATION

Required: No

### script

The initialization script.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 5120.

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](#)

# StudioComponentSummary

The studio component's summary.

## Contents

### **createdAt**

The ISO timestamp in seconds for when the resource was created.

Type: Timestamp

Required: No

### **createdBy**

The user ID of the user that created the studio component.

Type: String

Required: No

### **description**

The description.

Type: String

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

Required: No

### **name**

The name for the studio component.

Type: String

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

Required: No

### **studioComponentId**

The unique identifier for a studio component resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 22.

Pattern: `^[a-zA-Z0-9-]*$`

Required: No

### **subtype**

The specific subtype of a studio component.

Type: String

Valid Values: `AWS_MANAGED_MICROSOFT_AD` | `AMAZON_FSX_FOR_WINDOWS` | `AMAZON_FSX_FOR_LUSTRE` | `CUSTOM`

Required: No

### **type**

The type of the studio component.

Type: String

Valid Values: `ACTIVE_DIRECTORY` | `SHARED_FILE_SYSTEM` | `COMPUTE_FARM` | `LICENSE_SERVICE` | `CUSTOM`

Required: No

### **updatedAt**

The ISO timestamp in seconds for when the resource was updated.

Type: Timestamp

Required: No

### **updatedBy**

The user ID of the user that most recently updated the resource.

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](#)

# StudioEncryptionConfiguration

Configuration of the encryption method that is used for the studio.

## Contents

### keyType

The type of KMS key that is used to encrypt studio data.

Type: String

Valid Values: AWS\_OWNED\_KEY | CUSTOMER\_MANAGED\_KEY

Required: Yes

### keyArn

The ARN for a KMS key that is used to encrypt studio data.

Type: String

Length Constraints: Minimum length of 4.

Pattern: ^arn:.\*

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](#)

# StudioMembership

A studio member is an association of a user from your studio identity source to elevated permissions that they are granted in the studio.

When you add a user to your studio using the Nimble Studio console, they are given access to the studio's IAM Identity Center application and are given access to log in to the Nimble Studio portal. These users have the permissions provided by the studio's user IAM role and do not appear in the studio membership collection. Only studio admins appear in studio membership.

When you add a user to studio membership with the ADMIN persona, upon logging in to the Nimble Studio portal, they are granted permissions specified by the Studio's Admin IAM role.

## Contents

### **identityStoreId**

The ID of the identity store.

Type: String

Required: No

### **persona**

The persona.

Type: String

Valid Values: ADMINISTRATOR

Required: No

### **principalId**

The principal ID.

Type: String

Required: No

### **sid**

The Active Directory Security Identifier for this user, if available.

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](#)

# ValidationResult

The launch profile validation result.

## Contents

### state

The current state.

Type: String

Valid Values: VALIDATION\_NOT\_STARTED | VALIDATION\_IN\_PROGRESS |  
VALIDATION\_SUCCESS | VALIDATION\_FAILED |  
VALIDATION\_FAILED\_INTERNAL\_SERVER\_ERROR

Required: Yes

### statusCode

The status code. This will contain the failure reason if the state is VALIDATION\_FAILED.

Type: String

Valid Values: VALIDATION\_NOT\_STARTED | VALIDATION\_IN\_PROGRESS |  
VALIDATION\_SUCCESS |  
VALIDATION\_FAILED\_INVALID\_SUBNET\_ROUTE\_TABLE\_ASSOCIATION |  
VALIDATION\_FAILED\_SUBNET\_NOT\_FOUND |  
VALIDATION\_FAILED\_INVALID\_SECURITY\_GROUP\_ASSOCIATION  
| VALIDATION\_FAILED\_INVALID\_ACTIVE\_DIRECTORY |  
VALIDATION\_FAILED\_UNAUTHORIZED | VALIDATION\_FAILED\_INTERNAL\_SERVER\_ERROR

Required: Yes

### statusMessage

The status message for the validation result.

Type: String

Required: Yes

## type

The type of the validation result.

Type: String

Valid Values: VALIDATE\_ACTIVE\_DIRECTORY\_STUDIO\_COMPONENT |  
VALIDATE\_SUBNET\_ASSOCIATION | VALIDATE\_NETWORK\_ACL\_ASSOCIATION |  
VALIDATE\_SECURITY\_GROUP\_ASSOCIATION

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](#)

# VolumeConfiguration

Custom volume configuration for the root volumes that are attached to streaming sessions.

This parameter is only allowed when `sessionPersistenceMode` is `ACTIVATED`.

## Contents

### **iops**

The number of I/O operations per second for the root volume that is attached to streaming session.

Type: Integer

Valid Range: Minimum value of 3000. Maximum value of 16000.

Required: No

### **size**

The size of the root volume that is attached to the streaming session. The root volume size is measured in GiBs.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 16000.

Required: No

### **throughput**

The throughput to provision for the root volume that is attached to the streaming session. The throughput is measured in MiB/s.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 1000.

Required: No

## See Also

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

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



# Common Parameters

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

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [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 Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

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

HTTP Status Code: 500

## **MalformedHttpRequestException**

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

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

HTTP Status Code: 403

### **RequestAbortedException**

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

### **RequestEntityTooLargeException**

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

### **RequestExpired**

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

HTTP Status Code: 400

### **RequestTimeoutException**

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

### **ServiceUnavailable**

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

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

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

HTTP Status Code: 403

## **UnknownOperationException**

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

HTTP Status Code: 404

## **ValidationError**

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

HTTP Status Code: 400