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# Amazon MQ

## REST API Reference



## **Amazon MQ: REST API Reference**

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# Welcome

Welcome to the Amazon MQ REST API reference. In this guide, you can find descriptions of REST resources, example requests, HTTP methods, schemas, parameters, and the errors that the service returns.

Amazon MQ is a managed message broker service for [Apache ActiveMQ](#) that makes it easy to set up and operate message brokers in the cloud. Amazon MQ works with your existing applications and services without the need to manage, operate, or maintain your own messaging system.

You can access your brokers by using [any programming language that ActiveMQ supports](#) and by enabling TLS explicitly for the following protocols:

- [AMQP](#)
- [MQTT](#)
- [MQTT over WebSocket](#)
- [OpenWire](#)
- [STOMP](#)
- [STOMP over WebSocket](#)

## Topics

- [Example REST Request \(p. 1\)](#)
- [Example REST Response \(p. 1\)](#)

## Additional Information

- [Amazon MQ Product Page](#)
- [Amazon MQ Developer Guide](#)
- [Amazon MQ in the AWS CLI Command Reference](#)
- [Regions and Endpoints](#)

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## Example REST Request

The following is an example of an Amazon MQ REST request (and its headers) which creates a new broker:

```
POST /v1/brokers HTTP/1.1
Content-Type: application/json
X-Amz-Date: 20171123T214525Z
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20171128/us-east-2/mq/aws4_request, SignedHeaders=content-length;content-type;host;x-amz-date, Signature=a12bc34567defg89h0ij1234kl56m789no01p2q345r6s789tu01v2w3x4567890
Host: mq.us-east-2.amazonaws.com
Cache-Control: no-cache

{
  "brokerName": "MyBroker",
```

```
"hostInstanceType": "mq.m5.large",
"engineType": "ActiveMQ",
"engineVersion": "5.15.8",
"logs": {
  "general": true,
  "audit": false
},
"deploymentMode": "ACTIVE_STANDBY_MULTI_AZ",
"publiclyAccessible": true,
"subnetIds": [
  "subnet-12a3b45c",
  "subnet-67d8e90f"
],
"securityGroups": [
  "sg-a1b234cd",
  "sg-e5f678gh"
],
"autoMinorVersionUpgrade": true,
"users": [{
  "password": "MyPassword456",
  "groups": [
    "admins"
  ],
  "consoleAccess": true,
  "username": "jane.doe"
}]
}
```

## Example REST Response

The following is an example of an Amazon MQ REST response (and its headers) which acknowledges the creation of the new broker:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 250
Connection: keep-alive
Date: Wed, 28 Nov 2017 12:00:00 GMT
X-Amzn-RequestId: a12bc345-67de-89f0-g12h-345ij6k7l89m
X-Amzn-Trace-Id: sampled=1;root=1-2345a67b-c8defg901hijk2lf3m4nopqr
X-Cache: Miss from cloudfront
Via: 1.1 ab123456cd789ef012g34567890h1i23.cloudfront.net (CloudFront)
X-Amz-Cf-Id: ABCa1D6b2-EcF3dG7e456_fGIgh7JKLMijNO_PQ8RSTUVWX-Y9k0ZA==

{
  "brokerId" : "b-1234a5b6-78cd-901e-2fgh-3i45j6k17819",
  "brokerArn" : "arn:aws:mq:us-
east-2:123456789012:broker:MyBroker:b-1234a5b6-78cd-901e-2fgh-3i45j6k17819"
}
```

# Resources

The Amazon MQ REST API includes the following resources.

## Topics

- [Broker Engine Types \(p. 3\)](#)
- [Broker Instance Options \(p. 7\)](#)
- [Brokers \(p. 11\)](#)
- [Broker \(p. 22\)](#)
- [Broker Reboot \(p. 37\)](#)
- [Users \(p. 39\)](#)
- [User \(p. 43\)](#)
- [Configurations \(p. 52\)](#)
- [Configuration \(p. 60\)](#)
- [Configuration Revisions \(p. 68\)](#)
- [Configuration Revision \(p. 71\)](#)
- [Tag \(p. 74\)](#)

## Broker Engine Types

Retrieve information about available broker engines. AWS does not support all instance types in all availability zones and regions. For more information, see [Engine](#) in the Amazon MQ Developer Guide.

This API will tell you, for a given region and availability zone, which broker engine types and engine versions you can create.

## URI

`/v1/broker-engine-types`

## HTTP Methods

### GET

Operation ID: DescribeBrokerEngineTypes

Describe available engine types and versions.

### Query Parameters

Name	Type	Required	Description
<code>engineType</code>	String	False	Filter response by engine type.

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.

## Responses

Status Code	Response Model	Description
200	<a href="#">BrokerEngineTypeOutput</a> (p. 4)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 5)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 5)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
500	<a href="#">Error</a> (p. 5)	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example BrokerEngineTypeOutput

```
{
  "nextToken": "string",
  "maxResults": integer,
  "brokerEngineTypes": [
    {
      "engineVersions": [
        {
          "name": "string"
        }
      ],
      "engineType": enum
    }
  ]
}
```



```
}
```

## Example Error

```
{  
  "errorAttribute": "string",  
  "message": "string"  
}
```

# Properties

## BrokerEngineType

Types of broker engines.

### engineVersions

The list of engine versions.

**Type:** Array of type [EngineVersion](#) (p. 6)

**Required:** False

### engineType

The type of broker engine.

**Type:** [EngineType](#) (p. 6)

**Required:** False

## BrokerEngineTypeOutput

Returns a list of broker engine type.

### nextToken

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string

**Required:** False

### maxResults

Required. The maximum number of engine types that can be returned per page (20 by default). This value must be an integer from 5 to 100.

**Type:** integer

**Required:** True

**Minimum:** 5

**Maximum:** 100

### brokerEngineTypes

List of available engine types and versions.

**Type:** Array of type [BrokerEngineType](#) (p. 5)  
**Required:** False

## EngineType

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## EngineVersion

Id of the engine version.

### name

Id for the version.

**Type:** string  
**Required:** False

## Error

Returns information about an error.

### errorAttribute

The attribute which caused the error.

**Type:** string  
**Required:** False

### message

The explanation of the error.

**Type:** string  
**Required:** False

## See Also

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

## DescribeBrokerEngineTypes

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

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

## Broker Instance Options

You can retrieve information about broker instances. For more information, see [Broker](#) in the Amazon MQ Developer Guide.

### URI

/v1/broker-instance-options

### HTTP Methods

#### GET

Operation ID: DescribeBrokerInstanceOptions

Describe available broker instance options.

#### Query Parameters

Name	Type	Required	Description
hostInstanceType	String	False	Filter response by host instance type.
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.
engineType	String	False	Filter response by engine type.

#### Responses

Status Code	Response Model	Description
200	<a href="#">BrokerInstanceOptionsOutput</a>	HTTP Status Code 200: OK.

Status Code	Response Model	Description
400	<a href="#">Error (p. 8)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 8)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
500	<a href="#">Error (p. 8)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example BrokerInstanceOptionsOutput

```
{
  "nextToken": "string",
  "maxResults": integer,
  "brokerInstanceOptions": [
    {
      "supportedEngineVersions": [
        "string"
      ],
      "engineType": enum,
      "availabilityZones": [
        {
          "name": "string"
        }
      ],
      "hostInstanceType": "string"
    }
  ]
}
```

#### Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

## Properties

### AvailabilityZone

Name of the availability zone.

**name**

Id for the availability zone.

**Type:** string  
**Required:** False

## BrokerInstanceOption

Option for host instance type.

**supportedEngineVersions**

The list of supported engine versions.

**Type:** Array of type string  
**Required:** False

**engineType**

The type of broker engine.

**Type:** [EngineType \(p. 10\)](#)  
**Required:** False

**availabilityZones**

The list of available az.

**Type:** Array of type [AvailabilityZone \(p. 8\)](#)  
**Required:** False

**hostInstanceType**

The type of broker instance.

**Type:** string  
**Required:** False

## BrokerInstanceOptionsOutput

Returns a list of broker instance options.

**nextToken**

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string  
**Required:** False

**maxResults**

Required. The maximum number of instance options that can be returned per page (20 by default). This value must be an integer from 5 to 100.

**Type:** integer  
**Required:** True  
**Minimum:** 5  
**Maximum:** 100

### **brokerInstanceOptions**

List of available broker instance options.

**Type:** Array of type [BrokerInstanceOption \(p. 9\)](#)  
**Required:** False

## EngineType

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## See Also

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

### DescribeBrokerInstanceOptions

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

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

## Brokers

This is a collection of brokers. A broker is a message broker environment running on Amazon MQ. It is the basic building block of Amazon MQ. For more information, see [Broker Instance Types](#) in the Amazon MQ Developer Guide.

### URI

/v1/brokers

### HTTP Methods

#### GET

Operation ID: ListBrokers

Returns a list of all brokers.

#### Query Parameters

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.

#### Responses

Status Code	Response Model	Description
200	<a href="#">ListBrokersOutput</a> (p. 14)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 14)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.

Status Code	Response Model	Description
403	<a href="#">Error (p. 14)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
500	<a href="#">Error (p. 14)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## POST

Operation ID: CreateBroker

Creates a broker. Note: This API is asynchronous.

To create a broker, you must either use the `AmazonMQFullAccess` IAM policy or include the following EC2 permissions in your IAM policy.

For more information, see [Create an IAM User and Get Your AWS Credentials](#) and [Never Modify or Delete the Amazon MQ Elastic Network Interface](#) in the *Amazon MQ Developer Guide*.

- `ec2:CreateNetworkInterface`

This permission is required to allow Amazon MQ to create an elastic network interface (ENI) on behalf of your account.

- `ec2:CreateNetworkInterfacePermission`

This permission is required to attach the ENI to the broker instance.

- `ec2:DeleteNetworkInterface`
- `ec2:DeleteNetworkInterfacePermission`
- `ec2:DetachNetworkInterface`
- `ec2:DescribeInternetGateways`
- `ec2:DescribeNetworkInterfaces`
- `ec2:DescribeNetworkInterfacePermissions`
- `ec2:DescribeRouteTables`
- `ec2:DescribeSecurityGroups`
- `ec2:DescribeSubnets`
- `ec2:DescribeVpcs`

### Responses

Status Code	Response Model	Description
200	<a href="#">CreateBrokerOutput (p. 14)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 14)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.



Status Code	Response Model	Description
401	<a href="#">Error (p. 14)</a>	HTTP Status Code 401: Unauthorized request. The provided credentials couldn't be validated.
403	<a href="#">Error (p. 14)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
409	<a href="#">Error (p. 14)</a>	HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.
500	<a href="#">Error (p. 14)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example POST

```
{
  "engineVersion": "string",
  "deploymentMode": enum,
  "maintenanceWindowStartTime": {
    "dayOfWeek": enum,
    "timeZone": "string",
    "timeOfDay": "string"
  },
  "configuration": {
    "id": "string",
    "revision": integer
  },
  "engineType": enum,
  "hostInstanceType": "string",
  "users": [
    {
      "password": "string",
      "groups": [
        "string"
      ],
      "consoleAccess": boolean,
      "username": "string"
    }
  ],
  "tags": {
  },
  "creatorRequestId": "string",
  "publiclyAccessible": boolean,
  "securityGroups": [
    "string"
  ],
}
```

```
"brokerName": "string",
"logs": {
  "general": boolean,
  "audit": boolean
},
"autoMinorVersionUpgrade": boolean,
"subnetIds": [
  "string"
]
}
```

## Response Bodies

### Example ListBrokersOutput

```
{
  "brokerSummaries": [
    {
      "brokerArn": "string",
      "brokerId": "string",
      "deploymentMode": enum,
      "created": "string",
      "brokerState": enum,
      "brokerName": "string",
      "hostInstanceType": "string"
    }
  ],
  "nextToken": "string"
}
```

### Example CreateBrokerOutput

```
{
  "brokerArn": "string",
  "brokerId": "string"
}
```

### Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

## Properties

### BrokerState

The status of the broker.

CREATION\_IN\_PROGRESS  
CREATION\_FAILED  
DELETION\_IN\_PROGRESS  
RUNNING  
REBOOT\_IN\_PROGRESS

## BrokerSummary

Returns information about all brokers.

### **brokerArn**

The Amazon Resource Name (ARN) of the broker.

**Type:** string

**Required:** False

### **brokerId**

The unique ID that Amazon MQ generates for the broker.

**Type:** string

**Required:** False

### **deploymentMode**

Required. The deployment mode of the broker.

**Type:** [DeploymentMode \(p. 18\)](#)

**Required:** True

### **created**

The time when the broker was created.

**Type:** string

**Required:** False

**Format:** date-time

### **brokerState**

The status of the broker.

**Type:** [BrokerState \(p. 14\)](#)

**Required:** False

### **brokerName**

The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

**Type:** string

**Required:** False

### **hostInstanceType**

The broker's instance type.

**Type:** string  
**Required:** False

## ConfigurationId

A list of information about the configuration.

### id

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** True

### revision

The revision number of the configuration.

**Type:** integer  
**Required:** False

## CreateBrokerInput

Creates a broker.

### engineVersion

Required. The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string  
**Required:** True

### deploymentMode

Required. The deployment mode of the broker.

**Type:** [DeploymentMode \(p. 18\)](#)  
**Required:** True

### maintenanceWindowStartTime

The parameters that determine the WeeklyStartTime.

**Type:** [WeeklyStartTime \(p. 20\)](#)  
**Required:** False

### configuration

A list of information about the configuration.

**Type:** [ConfigurationId \(p. 16\)](#)

**Required:** False

### **engineType**

Required. The type of broker engine. Note: Currently, Amazon MQ supports only ACTIVEMQ.

**Type:** [EngineType](#) (p. 19)

**Required:** True

### **hostInstanceType**

Required. The broker's instance type.

**Type:** string

**Required:** True

### **users**

Required. The list of ActiveMQ users (persons or applications) who can access queues and topics. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type [User](#) (p. 20)

**Required:** False

### **tags**

Create tags when creating the broker.

**Type:** object

**Required:** False

### **creatorRequestId**

The unique ID that the requester receives for the created broker. Amazon MQ passes your ID with the API action. Note: We recommend using a Universally Unique Identifier (UUID) for the creatorRequestId. You may omit the creatorRequestId if your application doesn't require idempotency.

**Type:** string

**Required:** False

### **publiclyAccessible**

Required. Enables connections from applications outside of the VPC that hosts the broker's subnets.

**Type:** boolean

**Required:** True

### **securityGroups**

The list of rules (1 minimum, 125 maximum) that authorize connections to brokers.

**Type:** Array of type string

**Required:** False

### **brokerName**

Required. The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

**Type:** string  
**Required:** True

### **logs**

Enables Amazon CloudWatch logging for brokers.

**Type:** [Logs \(p. 19\)](#)  
**Required:** False

### **autoMinorVersionUpgrade**

Required. Enables automatic upgrades to new minor versions for brokers, as Apache releases the versions. The automatic upgrades occur during the maintenance window of the broker or after a manual broker reboot.

**Type:** boolean  
**Required:** True

### **subnetIds**

The list of groups (2 maximum) that define which subnets and IP ranges the broker can use from different Availability Zones. A SINGLE\_INSTANCE deployment requires one subnet (for example, the default subnet). An ACTIVE\_STANDBY\_MULTI\_AZ deployment requires two subnets.

**Type:** Array of type string  
**Required:** False

## **CreateBrokerOutput**

Returns information about the created broker.

### **brokerArn**

The Amazon Resource Name (ARN) of the broker.

**Type:** string  
**Required:** False

### **brokerId**

The unique ID that Amazon MQ generates for the broker.

**Type:** string  
**Required:** False

## **DeploymentMode**

The deployment mode of the broker.

SINGLE\_INSTANCE  
ACTIVE\_STANDBY\_MULTI\_AZ

## EngineType

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## ListBrokersOutput

### **brokerSummaries**

A list of information about all brokers.

**Type:** Array of type [BrokerSummary \(p. 15\)](#)  
**Required:** False

### **nextToken**

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string  
**Required:** False

## Logs

The list of information about logs to be enabled for the specified broker.

### **general**

Enables general logging.

**Type:** boolean  
**Required:** False

### **audit**

Enables audit logging. Every user management action made using JMX or the ActiveMQ Web Console is logged.

**Type:** boolean  
**Required:** False

## User

An ActiveMQ user associated with the broker.

### **password**

Required. The password of the ActiveMQ user. This value must be at least 12 characters long, must contain at least 4 unique characters, and must not contain commas.

**Type:** string  
**Required:** True  
**Format:** password

### **groups**

The list of groups (20 maximum) to which the ActiveMQ user belongs. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type string  
**Required:** False

### **consoleAccess**

Enables access to the the ActiveMQ Web Console for the ActiveMQ user.

**Type:** boolean  
**Required:** False

### **username**

Required. The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** string  
**Required:** True

## WeeklyStartTime

The scheduled time period relative to UTC during which Amazon MQ begins to apply pending updates or patches to the broker.

### **dayOfWeek**

Required. The day of the week.

**Type:** string



**Required:** True

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

### timeZone

The time zone, UTC by default, in either the Country/City format, or the UTC offset format.

**Type:** string

**Required:** False

### timeOfDay

Required. The time, in 24-hour format.

**Type:** string

**Required:** True

## See Also

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

### ListBrokers

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

### CreateBroker

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

# Broker

A broker is a message broker environment running on Amazon MQ. It is the basic building block of Amazon MQ. For more information, see [Broker](#) in the Amazon MQ Developer Guide.

## URI

`/v1/brokers/broker-id`

## HTTP Methods

### GET

Operation ID: DescribeBroker

Returns information about the specified broker.

#### Path Parameters

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

#### Responses

Status Code	Response Model	Description
200	<a href="#">DescribeBrokerOutput</a> (p. 25)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 26)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 26)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error</a> (p. 26)	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.

Status Code	Response Model	Description
500	<a href="#">Error (p. 26)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## PUT

Operation ID: UpdateBroker

Adds a pending configuration change to a broker.

### Path Parameters

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

### Responses

Status Code	Response Model	Description
200	<a href="#">UpdateBrokerOutput (p. 26)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 26)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 26)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 26)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
409	<a href="#">Error (p. 26)</a>	HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.

Status Code	Response Model	Description
500	<a href="#">Error (p. 26)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## DELETE

Operation ID: DeleteBroker

Deletes a broker. Note: This API is asynchronous.

### Path Parameters

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

### Responses

Status Code	Response Model	Description
200	<a href="#">DeleteBrokerOutput (p. 26)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 26)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 26)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 26)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 26)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example PUT

```
{
  "engineVersion": "string",
  "configuration": {
    "id": "string",
    "revision": integer
  },
  "logs": {
    "general": boolean,
    "audit": boolean
  },
  "autoMinorVersionUpgrade": boolean
}
```

### Response Bodies

#### Example DescribeBrokerOutput

```
{
  "engineVersion": "string",
  "pendingEngineVersion": "string",
  "brokerArn": "string",
  "brokerId": "string",
  "deploymentMode": enum,
  "maintenanceWindowStartTime": {
    "dayOfWeek": enum,
    "timeZone": "string",
    "timeOfDay": "string"
  },
  "created": "string",
  "configurations": {
    "current": {
      "id": "string",
      "revision": integer
    },
    "pending": {
      "id": "string",
      "revision": integer
    },
    "history": [
      {
        "id": "string",
        "revision": integer
      }
    ]
  },
  "brokerState": enum,
  "engineType": enum,
  "brokerInstances": [
    {
      "endpoints": [
        "string"
      ],
      "consoleURL": "string",
      "ipAddress": "string"
    }
  ]
}
```

```

    }
  ],
  "hostInstanceType": "string",
  "users": [
    {
      "pendingChange": enum,
      "username": "string"
    }
  ],
  "tags": {
  },
  "publiclyAccessible": boolean,
  "securityGroups": [
    "string"
  ],
  "brokerName": "string",
  "logs": {
    "generalLogGroup": "string",
    "general": boolean,
    "audit": boolean,
    "pending": {
      "general": boolean,
      "audit": boolean
    },
    "auditLogGroup": "string"
  },
  "autoMinorVersionUpgrade": boolean,
  "subnetIds": [
    "string"
  ]
]
}

```

### Example UpdateBrokerOutput

```

{
  "engineVersion": "string",
  "brokerId": "string",
  "configuration": {
    "id": "string",
    "revision": integer
  },
  "logs": {
    "general": boolean,
    "audit": boolean
  },
  "autoMinorVersionUpgrade": boolean
}

```

### Example DeleteBrokerOutput

```

{
  "brokerId": "string"
}

```

### Example Error

```

{
  "errorAttribute": "string",
  "message": "string"
}

```

## Properties

### BrokerInstance

Returns information about all brokers.

#### endpoints

The broker's wire-level protocol endpoints.

**Type:** Array of type string  
**Required:** False

#### consoleURL

The URL of the broker's ActiveMQ Web Console.

**Type:** string  
**Required:** False

#### ipAddress

The IP address of the Elastic Network Interface (ENI) attached to the broker.

**Type:** string  
**Required:** False

### BrokerState

The status of the broker.

CREATION\_IN\_PROGRESS  
CREATION\_FAILED  
DELETION\_IN\_PROGRESS  
RUNNING  
REBOOT\_IN\_PROGRESS

### ChangeType

The type of change pending for the ActiveMQ user.

CREATE  
UPDATE  
DELETE

### ConfigurationId

A list of information about the configuration.

#### id

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** True

### revision

The revision number of the configuration.

**Type:** integer  
**Required:** False

## Configurations

Broker configuration information

### current

The current configuration of the broker.

**Type:** [ConfigurationId \(p. 27\)](#)  
**Required:** False

### pending

The pending configuration of the broker.

**Type:** [ConfigurationId \(p. 27\)](#)  
**Required:** False

### history

The history of configurations applied to the broker.

**Type:** Array of type [ConfigurationId \(p. 27\)](#)  
**Required:** False

## DeleteBrokerOutput

Returns information about the deleted broker.

### brokerId

The unique ID that Amazon MQ generates for the broker.

**Type:** string  
**Required:** False

## DeploymentMode

The deployment mode of the broker.

SINGLE\_INSTANCE



ACTIVE\_STANDBY\_MULTI\_AZ

## DescribeBrokerOutput

Returns information about the specified broker.

### **engineVersion**

The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string

**Required:** False

### **pendingEngineVersion**

The version of the broker engine to upgrade to. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string

**Required:** False

### **brokerArn**

The Amazon Resource Name (ARN) of the broker.

**Type:** string

**Required:** False

### **brokerId**

The unique ID that Amazon MQ generates for the broker.

**Type:** string

**Required:** False

### **deploymentMode**

Required. The deployment mode of the broker.

**Type:** [DeploymentMode \(p. 28\)](#)

**Required:** True

### **maintenanceWindowStartTime**

The parameters that determine the WeeklyStartTime.

**Type:** [WeeklyStartTime \(p. 35\)](#)

**Required:** False

### **created**

The time when the broker was created.

**Type:** string  
**Required:** False  
**Format:** date-time

### **configurations**

The list of all revisions for the specified configuration.

**Type:** [Configurations \(p. 28\)](#)  
**Required:** False

### **brokerState**

The status of the broker.

**Type:** [BrokerState \(p. 27\)](#)  
**Required:** False

### **engineType**

Required. The type of broker engine. Note: Currently, Amazon MQ supports only ACTIVEMQ.

**Type:** [EngineType \(p. 31\)](#)  
**Required:** True

### **brokerInstances**

A list of information about allocated brokers.

**Type:** Array of type [BrokerInstance \(p. 27\)](#)  
**Required:** False

### **hostInstanceType**

The broker's instance type.

**Type:** string  
**Required:** False

### **users**

The list of all ActiveMQ usernames for the specified broker.

**Type:** Array of type [UserSummary \(p. 35\)](#)  
**Required:** False

### **tags**

The list of all tags associated with this broker.

**Type:** object  
**Required:** False

### **publiclyAccessible**

Required. Enables connections from applications outside of the VPC that hosts the broker's subnets.

**Type:** boolean  
**Required:** True

### **securityGroups**

Required. The list of rules (1 minimum, 125 maximum) that authorize connections to brokers.

**Type:** Array of type string  
**Required:** False

### **brokerName**

The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

**Type:** string  
**Required:** False

### **logs**

The list of information about logs currently enabled and pending to be deployed for the specified broker.

**Type:** [LogsSummary \(p. 32\)](#)  
**Required:** False

### **autoMinorVersionUpgrade**

Required. Enables automatic upgrades to new minor versions for brokers, as Apache releases the versions. The automatic upgrades occur during the maintenance window of the broker or after a manual broker reboot.

**Type:** boolean  
**Required:** True

### **subnetIds**

The list of groups (2 maximum) that define which subnets and IP ranges the broker can use from different Availability Zones. A SINGLE\_INSTANCE deployment requires one subnet (for example, the default subnet). An ACTIVE\_STANDBY\_MULTI\_AZ deployment requires two subnets.

**Type:** Array of type string  
**Required:** False

## **EngineType**

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string

**Required:** False

### **message**

The explanation of the error.

**Type:** string

**Required:** False

## Logs

The list of information about logs to be enabled for the specified broker.

### **general**

Enables general logging.

**Type:** boolean

**Required:** False

### **audit**

Enables audit logging. Every user management action made using JMX or the ActiveMQ Web Console is logged.

**Type:** boolean

**Required:** False

## LogsSummary

The list of information about logs currently enabled and pending to be deployed for the specified broker.

### **generalLogGroup**

The location of the CloudWatch Logs log group where general logs are sent.

**Type:** string

**Required:** False

### **general**

Enables general logging.

**Type:** boolean

**Required:** False

### **audit**

Enables audit logging. Every user management action made using JMX or the ActiveMQ Web Console is logged.

**Type:** boolean

**Required:** False

### **pending**

The list of information about logs pending to be deployed for the specified broker.

**Type:** [PendingLogs \(p. 33\)](#)

**Required:** False

### **auditLogGroup**

The location of the CloudWatch Logs log group where audit logs are sent.

**Type:** string

**Required:** False

## PendingLogs

The list of information about logs to be enabled for the specified broker.

### **general**

Enables general logging.

**Type:** boolean

**Required:** False

### **audit**

Enables audit logging. Every user management action made using JMX or the ActiveMQ Web Console is logged.

**Type:** boolean

**Required:** False

## UpdateBrokerInput

Updates the broker using the specified properties.

### **engineVersion**

The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string

**Required:** False

### **configuration**

A list of information about the configuration.

**Type:** [ConfigurationId \(p. 27\)](#)

**Required:** False

### **logs**

Enables Amazon CloudWatch logging for brokers.

**Type:** [Logs \(p. 32\)](#)

**Required:** False

### **autoMinorVersionUpgrade**

Enables automatic upgrades to new minor versions for brokers, as Apache releases the versions. The automatic upgrades occur during the maintenance window of the broker or after a manual broker reboot.

**Type:** boolean

**Required:** False

## **UpdateBrokerOutput**

Returns information about the updated broker.

### **engineVersion**

The version of the broker engine to upgrade to. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string

**Required:** False

### **brokerId**

Required. The unique ID that Amazon MQ generates for the broker.

**Type:** string

**Required:** True

### **configuration**

The ID of the updated configuration.

**Type:** [ConfigurationId \(p. 27\)](#)

**Required:** False

### **logs**

The list of information about logs to be enabled for the specified broker.

**Type:** [Logs \(p. 32\)](#)

**Required:** False

### **autoMinorVersionUpgrade**

The new value of automatic upgrades to new minor version for brokers.

**Type:** boolean  
**Required:** False

## UserSummary

Returns a list of all ActiveMQ users.

### **pendingChange**

The type of change pending for the ActiveMQ user.

**Type:** [ChangeType](#) (p. 27)  
**Required:** False

### **username**

Required. The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** string  
**Required:** True

## WeeklyStartTime

The scheduled time period relative to UTC during which Amazon MQ begins to apply pending updates or patches to the broker.

### **dayOfWeek**

Required. The day of the week.

**Type:** string  
**Required:** True  
**Values:** MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY | SUNDAY

### **timeZone**

The time zone, UTC by default, in either the Country/City format, or the UTC offset format.

**Type:** string  
**Required:** False

### **timeOfDay**

Required. The time, in 24-hour format.

**Type:** string

**Required:** True

## See Also

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

### DescribeBroker

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

### UpdateBroker

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

### DeleteBroker

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



- [AWS SDK for Ruby V2](#)

## Broker Reboot

To apply a new configuration to a broker, you can reboot the broker. In addition, if your broker becomes unresponsive, you can reboot it to recover from a faulty state.

### Note

You can reboot only a broker with the RUNNING status.

## URI

`/v1/brokers/broker-id/reboot`

## HTTP Methods

### POST

Operation ID: RebootBroker

Reboots a broker. Note: This API is asynchronous.

### Path Parameters

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

### Responses

Status Code	Response Model	Description
200	None	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 38)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 38)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.

Status Code	Response Model	Description
404	<a href="#">Error (p. 38)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 38)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example Error

```
{  
  "errorAttribute": "string",  
  "message": "string"  
}
```

## Properties

### Error

Returns information about an error.

#### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

#### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## See Also

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

### RebootBroker

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

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

## Users

This is a collection of ActiveMQ users for the specified broker. An ActiveMQ user is a person or an application that can access the queues and topics of an ActiveMQ broker. For more information, see [User](#) in the Amazon MQ Developer Guide.

You can configure to have specific permissions. For example, you can allow some users to access the [ActiveMQ Web Console](#).

A user can belong to a group. You can configure which users belong to which groups and which groups have permission to send to, receive from, and administer specific queues and topics.

### Important

Making changes to a user does not apply the changes to the user immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.

## URI

`/v1/brokers/broker-id/users`

## HTTP Methods

### GET

Operation ID: ListUsers

Returns a list of all ActiveMQ users.

#### Path Parameters

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

## Query Parameters

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.

## Responses

Status Code	Response Model	Description
200	<a href="#">ListUsersOutput (p. 40)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 41)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 41)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 41)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 41)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example ListUsersOutput

```
{
  "brokerId": "string",
  "nextToken": "string",
  "maxResults": integer,
  "users": [
    {
      "pendingChange": enum,
```

```
    "username": "string"
  }
]
```

## Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

# Properties

## ChangeType

The type of change pending for the ActiveMQ user.

CREATE  
UPDATE  
DELETE

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## ListUsersOutput

Returns a list of all ActiveMQ users.

### **brokerId**

Required. The unique ID that Amazon MQ generates for the broker.

**Type:** string  
**Required:** True

### **nextToken**

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string  
**Required:** False

### **maxResults**

Required. The maximum number of ActiveMQ users that can be returned per page (20 by default). This value must be an integer from 5 to 100.

**Type:** integer  
**Required:** True  
**Minimum:** 5  
**Maximum:** 100

### **users**

Required. The list of all ActiveMQ usernames for the specified broker.

**Type:** Array of type [UserSummary](#) (p. 42)  
**Required:** False

## UserSummary

Returns a list of all ActiveMQ users.

### **pendingChange**

The type of change pending for the ActiveMQ user.

**Type:** [ChangeType](#) (p. 41)  
**Required:** False

### **username**

Required. The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** string  
**Required:** True

## See Also

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

### ListUsers

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

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

## User

An ActiveMQ user is a person or an application that can access the queues and topics of an ActiveMQ broker. For more information, see [User](#) in the Amazon MQ Developer Guide.

A user can belong to a group. You can configure which users belong to which groups and which groups have permission to send to, receive from, and administer specific queues and topics.

### Important

Making changes to a user does not apply the changes to the user immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.

## URI

`/v1/brokers/broker-id/users/username`

## HTTP Methods

### GET

Operation ID: DescribeUser

Returns information about an ActiveMQ user.

#### Path Parameters

Name	Type	Required	Description
<i>username</i>	String	True	The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . _ ~). This value must be 2-100 characters long.
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

## Responses

Status Code	Response Model	Description
200	<a href="#">DescribeUserOutput (p. 48)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 48)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 48)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 48)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 48)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## POST

Operation ID: CreateUser

Creates an ActiveMQ user.

### Path Parameters

Name	Type	Required	Description
<i>username</i>	String	True	The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . _ ~). This value must be 2-100 characters long.
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.



## Responses

Status Code	Response Model	Description
200	None	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 48)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 48)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 48)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
409	<a href="#">Error (p. 48)</a>	HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.
500	<a href="#">Error (p. 48)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## PUT

Operation ID: UpdateUser

Updates the information for an ActiveMQ user.

### Path Parameters

Name	Type	Required	Description
<i>username</i>	String	True	The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . _ ~). This value must be 2-100 characters long.
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and

Name	Type	Required	Description
			must not contain white spaces, brackets, wildcard characters, or special characters.

## Responses

Status Code	Response Model	Description
200	None	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 48)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 48)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 48)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
409	<a href="#">Error (p. 48)</a>	HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.
500	<a href="#">Error (p. 48)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## DELETE

Operation ID: DeleteUser

Deletes an ActiveMQ user.

### Path Parameters

Name	Type	Required	Description
<i>username</i>	String	True	The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . _ ~). This value must be 2-100 characters long.

Name	Type	Required	Description
<i>broker-id</i>	String	True	The name of the broker. This value must be unique in your AWS account, 1-50 characters long, must contain only letters, numbers, dashes, and underscores, and must not contain white spaces, brackets, wildcard characters, or special characters.

## Responses

Status Code	Response Model	Description
200	None	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 48)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 48)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 48)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 48)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example POST

```
{
  "password": "string",
  "groups": [
    "string"
  ],
  "consoleAccess": boolean
}
```

## Example PUT

```
{
  "password": "string",
  "groups": [
    "string"
  ],
  "consoleAccess": boolean
}
```

## Response Bodies

### Example DescribeUserOutput

```
{
  "brokerId": "string",
  "pending": {
    "pendingChange": enum,
    "groups": [
      "string"
    ],
    "consoleAccess": boolean
  },
  "groups": [
    "string"
  ],
  "consoleAccess": boolean,
  "username": "string"
}
```

### Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

## Properties

### ChangeType

The type of change pending for the ActiveMQ user.

CREATE  
UPDATE  
DELETE

### CreateUserInput

Creates a new ActiveMQ user.

#### **password**

Required. The password of the user. This value must be at least 12 characters long, must contain at least 4 unique characters, and must not contain commas.

**Type:** string  
**Required:** True  
**Format:** password

### groups

The list of groups (20 maximum) to which the ActiveMQ user belongs. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type string  
**Required:** False

### consoleAccess

Enables access to the the ActiveMQ Web Console for the ActiveMQ user.

**Type:** boolean  
**Required:** False

## DescribeUserOutput

Returns information about an ActiveMQ user.

### brokerId

Required. The unique ID that Amazon MQ generates for the broker.

**Type:** string  
**Required:** True

### pending

The status of the changes pending for the ActiveMQ user.

**Type:** [UserPendingChanges \(p. 51\)](#)  
**Required:** False

### groups

The list of groups (20 maximum) to which the ActiveMQ user belongs. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type string  
**Required:** False

### consoleAccess

Enables access to the the ActiveMQ Web Console for the ActiveMQ user.

**Type:** boolean  
**Required:** False

### **username**

Required. The username of the ActiveMQ user. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** string  
**Required:** True

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## UpdateUserInput

Updates the information for an ActiveMQ user.

### **password**

The password of the user. This value must be at least 12 characters long, must contain at least 4 unique characters, and must not contain commas.

**Type:** string  
**Required:** False  
**Format:** password

### **groups**

The list of groups (20 maximum) to which the ActiveMQ user belongs. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type string  
**Required:** False

### **consoleAccess**

Enables access to the the ActiveMQ Web Console for the ActiveMQ user.

**Type:** boolean  
**Required:** False

## UserPendingChanges

Returns information about the status of the changes pending for the ActiveMQ user.

### pendingChange

Required. The type of change pending for the ActiveMQ user.

**Type:** [ChangeType](#) (p. 48)

**Required:** True

### groups

The list of groups (20 maximum) to which the ActiveMQ user belongs. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 2-100 characters long.

**Type:** Array of type string

**Required:** False

### consoleAccess

Enables access to the the ActiveMQ Web Console for the ActiveMQ user.

**Type:** boolean

**Required:** False

## See Also

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

## DescribeUser

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

## CreateUser

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

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

## UpdateUser

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

## DeleteUser

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

# Configurations

This is a collection of configurations. A configuration contains all of the settings for your ActiveMQ broker, in XML format. For more information, see [Configuration](#) and [Amazon MQ Broker Configuration Parameters](#) in the Amazon MQ Developer Guide.

You can create a configuration before creating any brokers. You can then apply the configuration to one or more brokers.

### **Important**

Making changes to a configuration does not apply the changes to the broker immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.



## URI

/v1/configurations

## HTTP Methods

### GET

Operation ID: ListConfigurations

Returns a list of all configurations.

#### Query Parameters

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.

#### Responses

Status Code	Response Model	Description
200	<a href="#">ListConfigurationsOutput</a> (HTTP)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 55)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 55)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
500	<a href="#">Error</a> (p. 55)	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

### POST

Operation ID: CreateConfiguration

Creates a new configuration for the specified configuration name. Amazon MQ uses the default configuration (the engine type and version).

## Responses

Status Code	Response Model	Description
200	<a href="#">CreateConfigurationOutput</a> (HTTP)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 55)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 55)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
409	<a href="#">Error</a> (p. 55)	HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.
500	<a href="#">Error</a> (p. 55)	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example POST

```
{
  "engineVersion": "string",
  "name": "string",
  "engineType": enum,
  "tags": {
  }
}
```

### Response Bodies

#### Example ListConfigurationsOutput

```
{
  "nextToken": "string",
  "maxResults": integer,
  "configurations": [
    {
      "engineVersion": "string",
      "created": "string",
      "name": "string",
      "description": "string",
    }
  ]
}
```

```
    "engineType": enum,  
    "id": "string",  
    "arn": "string",  
    "latestRevision": {  
      "created": "string",  
      "description": "string",  
      "revision": integer  
    },  
    "tags": {  
    }  
  }  
]
```

### Example CreateConfigurationOutput

```
{  
  "created": "string",  
  "name": "string",  
  "id": "string",  
  "arn": "string",  
  "latestRevision": {  
    "created": "string",  
    "description": "string",  
    "revision": integer  
  }  
}
```

### Example Error

```
{  
  "errorAttribute": "string",  
  "message": "string"  
}
```

## Properties

### Configuration

Returns information about all configurations.

#### **engineVersion**

Required. The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string

**Required:** True

#### **created**

Required. The date and time of the configuration revision.

**Type:** string

**Required:** True

**Format:** date-time

### **name**

Required. The name of the configuration. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 1-150 characters long.

**Type:** string  
**Required:** True

### **description**

Required. The description of the configuration.

**Type:** string  
**Required:** True

### **engineType**

Required. The type of broker engine. Note: Currently, Amazon MQ supports only ACTIVEMQ.

**Type:** [EngineType \(p. 58\)](#)  
**Required:** True

### **id**

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** True

### **arn**

Required. The ARN of the configuration.

**Type:** string  
**Required:** True

### **latestRevision**

Required. The latest revision of the configuration.

**Type:** [ConfigurationRevision \(p. 56\)](#)  
**Required:** True

### **tags**

The list of all tags associated with this configuration.

**Type:** object  
**Required:** False

## **ConfigurationRevision**

Returns information about the specified configuration revision.

**created**

Required. The date and time of the configuration revision.

**Type:** string  
**Required:** True  
**Format:** date-time

**description**

The description of the configuration revision.

**Type:** string  
**Required:** False

**revision**

Required. The revision number of the configuration.

**Type:** integer  
**Required:** True

## CreateConfigurationInput

Creates a new configuration for the specified configuration name. Amazon MQ uses the default configuration (the engine type and version).

**engineVersion**

Required. The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string  
**Required:** True

**name**

Required. The name of the configuration. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 1-150 characters long.

**Type:** string  
**Required:** True

**engineType**

Required. The type of broker engine. Note: Currently, Amazon MQ supports only ACTIVEMQ.

**Type:** [EngineType \(p. 58\)](#)  
**Required:** True

**tags**

Create tags when creating the configuration.

**Type:** object

**Required:** False

## CreateConfigurationOutput

Returns information about the created configuration.

### created

Required. The date and time of the configuration.

**Type:** string

**Required:** False

**Format:** date-time

### name

Required. The name of the configuration. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 1-150 characters long.

**Type:** string

**Required:** True

### id

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string

**Required:** True

### arn

Required. The Amazon Resource Name (ARN) of the configuration.

**Type:** string

**Required:** True

### latestRevision

The latest revision of the configuration.

**Type:** [ConfigurationRevision](#) (p. 56)

**Required:** False

## EngineType

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## ListConfigurationsOutput

Returns a list of all configurations.

### **nextToken**

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string  
**Required:** False

### **maxResults**

The maximum number of configurations that Amazon MQ can return per page (20 by default). This value must be an integer from 5 to 100.

**Type:** integer  
**Required:** False

### **configurations**

The list of all revisions for the specified configuration.

**Type:** Array of type [Configuration](#) (p. 55)  
**Required:** False

## See Also

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

### ListConfigurations

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

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

## CreateConfiguration

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

# Configuration

A configuration contains all of the settings for your ActiveMQ broker, in XML format. For more information, see [Configuration](#) and [Amazon MQ Broker Configuration Parameters](#) in the Amazon MQ Developer Guide.

You can create a configuration before creating any brokers. You can then apply the configuration to one or more brokers.

### Important

Making changes to a configuration does not apply the changes to the broker immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.

## URI

`/v1/configurations/configuration-id`

## HTTP Methods

### GET

Operation ID: DescribeConfiguration

Returns information about the specified configuration.

#### Path Parameters

Name	Type	Required	Description
<i>configuration-id</i>	String	True	The unique ID that Amazon MQ generates for the configuration.



## Responses

Status Code	Response Model	Description
200	<a href="#">Configuration</a> (p. 62)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 63)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 63)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error</a> (p. 63)	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error</a> (p. 63)	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## PUT

Operation ID: UpdateConfiguration

Updates the specified configuration.

### Path Parameters

Name	Type	Required	Description
<i>configuration-id</i>	String	True	The unique ID that Amazon MQ generates for the configuration.

## Responses

Status Code	Response Model	Description
200	<a href="#">UpdateConfigurationOutput</a> (p. 62)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 63)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 63)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error</a> (p. 63)	HTTP Status Code 404: Resource not found due to incorrect input.

Status Code	Response Model	Description
409	<a href="#">Error (p. 63)</a>	Correct your request and then retry it.  HTTP Status Code 409: Conflict. This broker name already exists. Retry your request with another name.
500	<a href="#">Error (p. 63)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example PUT

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

### Response Bodies

#### Example Configuration

```
{
  "engineVersion": "string",
  "created": "string",
  "name": "string",
  "description": "string",
  "engineType": enum,
  "id": "string",
  "arn": "string",
  "latestRevision": {
    "created": "string",
    "description": "string",
    "revision": integer
  },
  "tags": {
  }
}
```

#### Example UpdateConfigurationOutput

```
{
  "created": "string",
  "warnings": [
    {
      "reason": enum,
      "attributeName": "string",
      "elementName": "string"
    }
  ]
}
```

```
    }  
  ],  
  "name": "string",  
  "id": "string",  
  "arn": "string",  
  "latestRevision": {  
    "created": "string",  
    "description": "string",  
    "revision": integer  
  }  
}
```

## Example Error

```
{  
  "errorAttribute": "string",  
  "message": "string"  
}
```

# Properties

## Configuration

Returns information about all configurations.

### **engineVersion**

Required. The version of the broker engine. For a list of supported engine versions, see <https://docs.aws.amazon.com/amazon-mq/latest/developer-guide/broker-engine.html>

**Type:** string  
**Required:** True

### **created**

Required. The date and time of the configuration revision.

**Type:** string  
**Required:** True  
**Format:** date-time

### **name**

Required. The name of the configuration. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 1-150 characters long.

**Type:** string  
**Required:** True

### **description**

Required. The description of the configuration.

**Type:** string  
**Required:** True

### **engineType**

Required. The type of broker engine. Note: Currently, Amazon MQ supports only ACTIVEMQ.

**Type:** [EngineType](#) (p. 65)

**Required:** True

### **id**

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string

**Required:** True

### **arn**

Required. The ARN of the configuration.

**Type:** string

**Required:** True

### **latestRevision**

Required. The latest revision of the configuration.

**Type:** [ConfigurationRevision](#) (p. 64)

**Required:** True

### **tags**

The list of all tags associated with this configuration.

**Type:** object

**Required:** False

## **ConfigurationRevision**

Returns information about the specified configuration revision.

### **created**

Required. The date and time of the configuration revision.

**Type:** string

**Required:** True

**Format:** date-time

### **description**

The description of the configuration revision.

**Type:** string

**Required:** False

### **revision**

Required. The revision number of the configuration.

**Type:** integer  
**Required:** True

## EngineType

The type of broker engine. Note: Currently, Amazon MQ supports only ActiveMQ.

ACTIVEMQ

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## SanitizationWarning

Returns information about the XML element or attribute that was sanitized in the configuration.

### **reason**

Required. The reason for which the XML elements or attributes were sanitized.

**Type:** [SanitizationWarningReason](#) (p. 66)  
**Required:** True

### **attributeName**

The name of the XML attribute that has been sanitized.

**Type:** string  
**Required:** False

### **elementName**

The name of the XML element that has been sanitized.

**Type:** string

**Required:** False

## SanitizationWarningReason

The reason for which the XML elements or attributes were sanitized.

DISALLOWED\_ELEMENT\_REMOVED  
DISALLOWED\_ATTRIBUTE\_REMOVED  
INVALID\_ATTRIBUTE\_VALUE\_REMOVED

## UpdateConfigurationInput

Updates the specified configuration.

### data

Required. The base64-encoded XML configuration.

**Type:** string  
**Required:** True  
**Format:** byte

### description

The description of the configuration.

**Type:** string  
**Required:** False

## UpdateConfigurationOutput

Returns information about the updated configuration.

### created

Required. The date and time of the configuration.

**Type:** string  
**Required:** True  
**Format:** date-time

### warnings

The list of the first 20 warnings about the configuration XML elements or attributes that were sanitized.

**Type:** Array of type [SanitizationWarning](#) (p. 65)  
**Required:** False

### name

Required. The name of the configuration. This value can contain only alphanumeric characters, dashes, periods, underscores, and tildes (- . \_ ~). This value must be 1-150 characters long.

**Type:** string  
**Required:** True

### id

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** True

### arn

Required. The Amazon Resource Name (ARN) of the configuration.

**Type:** string  
**Required:** True

### latestRevision

The latest revision of the configuration.

**Type:** [ConfigurationRevision](#) (p. 64)  
**Required:** False

## See Also

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

## DescribeConfiguration

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

## UpdateConfiguration

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

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

## Configuration Revisions

This is a collection of configuration revisions. To keep track of the changes you make to your configuration, you can create configuration revisions. For more information, see [Configuration](#) in the Amazon MQ Developer Guide.

### Important

Making changes to a configuration does not apply the changes to the broker immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.

## URI

`/v1/configurations/configuration-id/revisions`

## HTTP Methods

### GET

Operation ID: ListConfigurationRevisions

Returns a list of all revisions for the specified configuration.

#### Path Parameters

Name	Type	Required	Description
<i>configuration-id</i>	String	True	The unique ID that Amazon MQ generates for the configuration.

#### Query Parameters

Name	Type	Required	Description
nextToken	String	False	The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.
maxResults	String	False	The maximum number of brokers that Amazon MQ can return per page (20 by default).



Name	Type	Required	Description
			This value must be an integer from 5 to 100.

## Responses

Status Code	Response Model	Description
200	<a href="#">ListConfigurationRevisionsOutput</a> (HTTP Status Code)	HTTP Status Code 200: OK.
400	<a href="#">Error</a> (p. 69)	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error</a> (p. 69)	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error</a> (p. 69)	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error</a> (p. 69)	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example ListConfigurationRevisionsOutput

```
{
  "nextToken": "string",
  "maxResults": integer,
  "revisions": [
    {
      "created": "string",
      "description": "string",
      "revision": integer
    }
  ],
  "configurationId": "string"
}
```

#### Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

## Properties

### ConfigurationRevision

Returns information about the specified configuration revision.

#### **created**

Required. The date and time of the configuration revision.

**Type:** string  
**Required:** True  
**Format:** date-time

#### **description**

The description of the configuration revision.

**Type:** string  
**Required:** False

#### **revision**

Required. The revision number of the configuration.

**Type:** integer  
**Required:** True

### Error

Returns information about an error.

#### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

#### **message**

The explanation of the error.

**Type:** string  
**Required:** False

### ListConfigurationRevisionsOutput

Returns a list of all revisions for the specified configuration.

#### **nextToken**

The token that specifies the next page of results Amazon MQ should return. To request the first page, leave nextToken empty.

**Type:** string  
**Required:** False

### **maxResults**

The maximum number of configuration revisions that can be returned per page (20 by default). This value must be an integer from 5 to 100.

**Type:** integer  
**Required:** False

### **revisions**

The list of all revisions for the specified configuration.

**Type:** Array of type [ConfigurationRevision](#) (p. 70)  
**Required:** False

### **configurationId**

The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** False

## See Also

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

### ListConfigurationRevisions

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

## Configuration Revision

To keep track of the changes you make to your configuration, you can create configuration revisions. For more information, see [Configuration](#) in the Amazon MQ Developer Guide.

### Important

Making changes to a configuration does not apply the changes to the broker immediately. To apply your changes, you must wait for the next maintenance window or reboot the broker.

## URI

`/v1/configurations/configuration-id/revisions/configuration-revision`

## HTTP Methods

### GET

Operation ID: DescribeConfigurationRevision

Returns the specified configuration revision for the specified configuration.

#### Path Parameters

Name	Type	Required	Description
<i>configuration-revision</i>	String	True	The revision of the configuration.
<i>configuration-id</i>	String	True	The unique ID that Amazon MQ generates for the configuration.

#### Responses

Status Code	Response Model	Description
200	<a href="#">DescribeConfigurationRevision</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 73)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 73)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 73)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 73)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Response Bodies

#### Example DescribeConfigurationRevisionOutput

```
{  
  "data": "string",  
  "created": "string",  
  "description": "string",  
  "configurationId": "string"  
}
```

#### Example Error

```
{  
  "errorAttribute": "string",  
  "message": "string"  
}
```

## Properties

### DescribeConfigurationRevisionOutput

Returns the specified configuration revision for the specified configuration.

#### **data**

Required. The base64-encoded XML configuration.

**Type:** string  
**Required:** True  
**Format:** byte

#### **created**

Required. The date and time of the configuration.

**Type:** string  
**Required:** True  
**Format:** date-time

#### **description**

The description of the configuration.

**Type:** string  
**Required:** False

#### **configurationId**

Required. The unique ID that Amazon MQ generates for the configuration.

**Type:** string  
**Required:** True

## Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## See Also

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

## DescribeConfigurationRevision

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

## Tag

A tag is a key-value pair associated with a resource. You can use these metadata tags to identify the purpose of a broker or configuration. For more information see [Tagging resources](#) in the Amazon MQ Developer Guide.

## URI

/v1/tags/*resource-arn*

## HTTP Methods

### GET

Operation ID: ListTags

Lists tags for a resource.

#### Path Parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) of the resource tag.

#### Responses

Status Code	Response Model	Description
200	<a href="#">Tags (p. 77)</a>	HTTP Status Code 200: OK.
400	<a href="#">Error (p. 77)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 77)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 77)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 77)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

### POST

Operation ID: CreateTags

Add a tag to a resource.

#### Path Parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) of the resource tag.

## Responses

Status Code	Response Model	Description
204	None	HTTP Status Code 204: Successful response.
400	<a href="#">Error (p. 77)</a>	HTTP Status Code 400: Bad request due to incorrect input. Correct your request and then retry it.
403	<a href="#">Error (p. 77)</a>	HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 77)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 77)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## DELETE

Operation ID: DeleteTags

Removes a tag from a resource.

### Path Parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) of the resource tag.

### Query Parameters

Name	Type	Required	Description
tagKeys	String	True	An array of tag keys to delete

## Responses

Status Code	Response Model	Description
204	None	HTTP Status Code 204: Successful response.
400	<a href="#">Error (p. 77)</a>	HTTP Status Code 400: Bad request due to incorrect input.



Status Code	Response Model	Description
403	<a href="#">Error (p. 77)</a>	Correct your request and then retry it.  HTTP Status Code 403: Access forbidden. Correct your credentials and then retry your request.
404	<a href="#">Error (p. 77)</a>	HTTP Status Code 404: Resource not found due to incorrect input. Correct your request and then retry it.
500	<a href="#">Error (p. 77)</a>	HTTP Status Code 500: Unexpected internal server error. Retrying your request might resolve the issue.

## Schemas

### Request Bodies

#### Example POST

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

### Response Bodies

#### Example Tags

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

#### Example Error

```
{
  "errorAttribute": "string",
  "message": "string"
}
```

## Properties

### Error

Returns information about an error.

### **errorAttribute**

The attribute which caused the error.

**Type:** string  
**Required:** False

### **message**

The explanation of the error.

**Type:** string  
**Required:** False

## Tags

A map of the key-value pairs for the resource tag.

### **tags**

The key-value pair for the resource tag.

**Type:** object  
**Required:** False

## See Also

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

### ListTags

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

### CreateTags

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

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

## DeleteTags

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

# Operations

The Amazon MQ REST API includes the following operations.

- [CreateBroker \(p. 12\)](#)

Creates a broker. Note: This API is asynchronous.

To create a broker, you must either use the `AmazonMQFullAccess` IAM policy or include the following EC2 permissions in your IAM policy.

- `ec2:CreateNetworkInterface`

This permission is required to allow Amazon MQ to create an elastic network interface (ENI) on behalf of your account.

- `ec2:CreateNetworkInterfacePermission`

This permission is required to attach the ENI to the broker instance.

- `ec2>DeleteNetworkInterface`
- `ec2>DeleteNetworkInterfacePermission`
- `ec2:DetachNetworkInterface`
- `ec2:DescribeInternetGateways`
- `ec2:DescribeNetworkInterfaces`
- `ec2:DescribeNetworkInterfacePermissions`
- `ec2:DescribeRouteTables`
- `ec2:DescribeSecurityGroups`
- `ec2:DescribeSubnets`
- `ec2:DescribeVpcs`

For more information, see [Create an IAM User and Get Your AWS Credentials](#) and [Never Modify or Delete the Amazon MQ Elastic Network Interface](#) in the *Amazon MQ Developer Guide*.

- [CreateConfiguration \(p. 53\)](#)

Creates a new configuration for the specified configuration name. Amazon MQ uses the default configuration (the engine type and version).

- [CreateTags \(p. 75\)](#)

Add a tag to a resource.

- [CreateUser \(p. 44\)](#)

Creates an ActiveMQ user.

- [DeleteBroker \(p. 24\)](#)

Deletes a broker. Note: This API is asynchronous.

- [DeleteTags \(p. 76\)](#)

Removes a tag from a resource.

- [DeleteUser \(p. 46\)](#)

Deletes an ActiveMQ user.

- [DescribeBroker \(p. 22\)](#)

Returns information about the specified broker.

- [DescribeBrokerEngineTypes](#) (p. 3)

Describe available engine types and versions.

- [DescribeBrokerInstanceOptions](#) (p. 7)

Describe available broker instance options.

- [DescribeConfiguration](#) (p. 60)

Returns information about the specified configuration.

- [DescribeConfigurationRevision](#) (p. 72)

Returns the specified configuration revision for the specified configuration.

- [DescribeUser](#) (p. 43)

Returns information about an ActiveMQ user.

- [ListBrokers](#) (p. 11)

Returns a list of all brokers.

- [ListConfigurationRevisions](#) (p. 68)

Returns a list of all revisions for the specified configuration.

- [ListConfigurations](#) (p. 53)

Returns a list of all configurations.

- [ListTags](#) (p. 75)

Lists tags for a resource.

- [ListUsers](#) (p. 39)

Returns a list of all ActiveMQ users.

- [RebootBroker](#) (p. 37)

Reboots a broker. Note: This API is asynchronous.

- [UpdateBroker](#) (p. 23)

Adds a pending configuration change to a broker.

- [UpdateConfiguration](#) (p. 61)

Updates the specified configuration.

- [UpdateUser](#) (p. 45)

Updates the information for an ActiveMQ user.