
Amazon ElastiCache

Command Line Reference

API Version 2013-06-15



Amazon ElastiCache: Command Line Reference

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Welcome

This is the *Amazon ElastiCache Command Line Tools Reference*. It provides the syntax, description, options, and usage examples for each of the Amazon ElastiCache command line tools.

How Do I...?

How Do I?	Relevant Sections
Download and install the Amazon ElastiCache command line tools.	Setting up the Command Line Tools (p. 2)
Get a list of the Amazon ElastiCache API tools, organized by function.	List of Command Line Operations by Function (p. 9)
Get a list of all Amazon ElastiCache API tools.	API Command Line Tools Reference (p. 6)
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Setting up the Command Line Tools

Topics

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- [Getting the Command Line Tools \(p. 3\)](#)
- [Setting Up the Tools \(p. 3\)](#)
- [Providing Access Keys for the Tools \(p. 4\)](#)

This section describes the prerequisites for running the command line tools, where to get the command line tools, how to set up the tools and their environment, and includes a series of common examples of tool usage.

Prerequisites

This document assumes that you can work in a Linux/UNIX or Windows environment. The Amazon ElastiCache command line tools also work on Mac OS X, which is a UNIX-based environment; however, no specific Mac OS X instructions are included in this guide.

As a convention, all command line text is prefixed with a generic `PROMPT>` command line prompt. The actual command line prompt on your machine is likely to be different. We also use `$` to indicate a Linux/UNIX specific command and `C:\>` for a Windows specific command. The example output resulting from the command is shown immediately thereafter without any prefix.

The Java Runtime Environment

The command line tools used in this guide require Java version 5 or later to run. Either a JRE or JDK installation is acceptable. To view and download JREs for a range of platforms, including Linux/UNIX and Windows, go to [Java SE Downloads](#).

Setting the Java Home Variable

The command line tools depend on an environment variable (`JAVA_HOME`) to locate the Java Runtime. This environment variable should be set to the full path of the directory that contains a sub directory

named `bin` which in turn contains the executable `java` (on Linux and UNIX) or `java.exe` (on Windows) executable.

To set the Java Home variable

1. Set the Java Home variable.

- On Linux and UNIX, enter the following command:

```
$ export JAVA_HOME=<PATH>
```

- On Windows, enter the following command:

```
C:\> set JAVA_HOME=<PATH>
```

2. Confirm the path setting by running `$JAVA_HOME/bin/java -version` and checking the output.

- On Linux/UNIX, you will see output similar to the following:

```
$ $JAVA_HOME/bin/java -version
java version "1.6.0_23"
Java(TM) SE Runtime Environment (build 1.6.0_23-b05)
Java HotSpot(TM) Client VM (build 19.0-b09, mixed mode, sharing)
```

- On Windows, you will see output similar to the following:

```
C:\> %JAVA_HOME%\bin\java -version
java version "1.6.0_23"
Java(TM) SE Runtime Environment (build 1.6.0_23-b05)
Java HotSpot(TM) Client VM (build 19.0-b09, mixed mode, sharing)
```

Getting the Command Line Tools

The command line tools are available as a ZIP file on the [Amazon ElastiCache Developer Tools web site](#). These tools are written in Java, and include shell scripts for Windows 2000/XP/Vista/Windows 7, Linux/UNIX, and Mac OSX. The ZIP file is self-contained and no installation is required; simply download the zip file and unzip it to a directory on your local machine.

Setting Up the Tools

The command line tools depend on an environment variable (`AWS_ELASTICACHE_HOME`) to locate supporting libraries. You need to set this environment variable before you can use the tools. Set it to the path of the directory you unzipped the command line tools into. This directory is named

ElastiCacheCli-A.B.nnnn (A, B and n are version/release numbers), and contains sub-directories named bin and lib.

To set the `AWS_ELASTICACHE_HOME` environment variable

- Open a command line window and enter one of the following commands to set the `AWS_ELASTICACHE_HOME` environment variable.
- On Linux and UNIX, enter the following command:

```
$ export AWS_ELASTICACHE_HOME=<path-to-tools>
```

- On Windows, enter the following command:

```
C:\> set AWS_ELASTICACHE_HOME=<path-to-tools>
```

To make the tools easier to use, we recommend that you add the tools' BIN directory to your system PATH. The rest of this guide assumes that the BIN directory is in your system path.

To add the tools' BIN directory to your system path

- Enter the following commands to add the tools' BIN directory to your system PATH.
- On Linux and UNIX, enter the following command:

```
$ export PATH=$PATH:$AWS_ELASTICACHE_HOME/bin
```

- On Windows, enter the following command:

```
C:\> set PATH=%PATH%;%AWS_ELASTICACHE_HOME%\bin
```

Note

The Windows environment variables are reset when you close the command window. You might want to set them permanently. Consult the documentation for your version of Windows for more information.

Note

Paths that contain a space must be wrapped in double quotes, for example:
"C:\Program Files\Java"

Providing Access Keys for the Tools

The command line tools need the AWS Access Key and Secret Access Key provided with your AWS account. You can get them using the command line or from a file located on your local system that contains the access keys.

Amazon ElastiCache Command Line Reference Providing Access Keys for the Tools

The deployment includes a template file `${AWS_ELASTICACHE_HOME}/credential-file-path.template` that you need to edit with your information. Following are the contents of the template file:

```
AWSAccessKeyId=<Write your AWS access ID>
AWSSecretKey=<Write your AWS secret key>
```

Important

On UNIX, limit permissions to the owner of the access key file:

```
$ chmod 600 <the file created above>
```

With the access key file setup, you'll need to set the `AWS_CREDENTIAL_FILE` environment variable so that the Amazon ElastiCache tools can find your information.

To set the `AWS_CREDENTIAL_FILE` environment variable

1. Set the environment variable:

- On Linux and UNIX, update the variable using the following command:

```
$ export AWS_CREDENTIAL_FILE=<the file created above>
```

- On Windows, set the variable using the following command:

```
C:\> set AWS_CREDENTIAL_FILE=<the file created above>
```

2. Check that your setup works properly, run the following command:

```
elasticache --help
```

You should see the usage page for all Amazon ElastiCache commands.

API Command Line Tools Reference

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Common Options for API Tools

Most API tools described in this section accept the set of optional parameters described in the following table.

Option	Description
<code>--aws-credential-file value</code>	Path to the file containing your AWS access keys. This value can be stored in the <code>AWS_CREDENTIAL_FILE</code> environment variable. Example: <code>--aws-credential-file c:\AWS\mycredentials.pek</code>
<code>--connection-timeout value</code>	Specifies the connection timeout in seconds. Default: 30 Example: <code>--connection-timeout 60</code>
<code>--debug</code>	Causes debug information to be displayed on error. Default: false
<code>--delimiter value</code>	Specifies the delimiter to use when displaying long results. Default: comma
<code>--headers</code>	Displays column headers for tabular or delimited results, or HTTP headers for XML results. Default: off
<code>--help</code>	Displays help text for the command. You can also use <code>help commandname</code> . Default: off
<code>-I value</code> <code>--access-key-id value</code>	Specifies the AWS Access Id to use for requests.
<code>--marker value</code>	The marker returned from a previous request. If this parameter is specified the response includes only records beyond the marker, up to <code>max-records</code> . Default: none
<code>--max-records value</code>	Maximum number of records to return per page. If more records exist than the specified <code>max-records</code> value, a marker is included in the response so that the remaining results may be retrieved. The range of allowed values for this parameter is 20-100. Default: 100

Amazon ElastiCache Command Line Reference
Common Options for API Tools

Option	Description
<code>--region value</code>	Overrides the Region specified in the <code>EC2_REGION</code> environment variable. Default: The <code>EC2_REGION</code> environment variable, or <code>us-east-1</code> if the <code>EC2_REGION</code> environment variable is not set. Example: <code>--region eu-west-1</code>
<code>-S value</code> <code>--secret-key-value value</code>	Specifies the AWS Secret Access Key to use for requests.
<code>--show-empty-fields</code>	Show empty fields and rows with a <code>(nil)</code> value.
<code>--show-request</code>	Displays the URL used to call the AWS service.
<code>--show-table</code>	Displays the results of the command in fixed column-width format. Empty fields are not displayed. This is the default output format.
<code>--show-long</code>	Displays the results of the command delimited by a character. Empty fields are shown as <code>"(nil)"</code> . The default delimiter character is a comma.
<code>--show-xml</code>	Displays the results of the command as raw XML.
<code>--quiet</code>	Suppress all output from the command.
<code>-U value</code> <code>--url value</code>	Override the URL for the service call with the value supplied. This value is set using the <code>AWS_ELASTICACHE_URL</code> environment variable. Note You can set the <code>EC2_REGION</code> environment variable or use the <code>--region</code> parameter to avoid having to pass the <code>--url</code> parameter to specify a different regional endpoint.

List of Command Line Operations by Function

Cache Clusters

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Replication

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Other

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- [elasticache-describe-events](#) (p. 55)
- [elasticache-version](#) (p. 91)

elasticache-authorize-cache-security-group-ingress

Description

Authorizes network ingress for an Amazon EC2 security group.

Syntax

```
elasticache-authorize-cache-security-group-ingress CacheSecurityGroupName
```

```
-g (--ec2-security-group-name) value
```

```
-o (--ec2-security-group-owner-id) value
```

[Common Options]

Options

Name	Description	Required
CacheSecurityGroupName --cache-security-group-name <i>value</i>	The name of the cache security group. This can also be passed as a named parameter using --cache-security-group-name <i>value</i> Type: String Default: None Example: --cache-security-group-name mycachesecuritygroup	Yes
-g --ec2-security-group-name <i>value</i>	The name of the EC2 security group. Type: String Default: None Constraints: Must be an existing EC2 security group. Example: -g myec2securitygroup Important Authorizing an EC2 security group only grants access to your cache clusters from the EC2 instances belonging to the EC2 security group.	Yes
-o --ec2-security-group-owner-id <i>value</i>	The AWS account number of the owner of the EC2 security group. Type: String Default: None Example: -o 123456789012	Yes

Output

The command returns the following information:

- **Name** – Security group name.
- **Description** – Security group description.
- **EC2 Group Name** – Name of the EC2 security group.
- **EC2 Owner Id** – Owner of the EC2 security group.
- **Status** – Status of the authorization.

Examples

Authorizing Access to an EC2 Security Group

This example authorizes access to a named Amazon EC2 security group.

```
PROMPT> elasticache-authorize-cache-security-group-ingress Default --ec2-security-group-name mainServerGrp --ec2-security-group-owner-id 123445677890

SECGROUP default default
          EC2-SECGROUP mainServerGrp 123445677890 authorizing
```

Related Operations

- [elasticache-revoke-cache-security-group-ingress](#) (p. 89)

elasticache-create-cache-cluster

Description

Creates a new cache cluster.

Syntax

```
elasticache-create-cache-cluster CacheClusterId  
  
-s (--security-group-ids) value[,value...]  
  
-sn (--cache-subnet-group-name) value  
  
-sg (--cache-security-group-names) value[,value...]  
  
-c (--cache-node-type) value  
  
-e (--engine) value  
  
-n (--num-cache-nodes) value  
  
[-au (--auto-minor-version-upgrade) ]  
  
[-pg (--cache-parameter-group-name) value ]  
  
[-p (--port) value ]  
  
[-rg (--replication-group-id) value ]  
  
[-sa (--snapshot-arns) value ]  
  
[-t (--notification-topic-arn) value ]  
  
[-v (--engine-version) value ]  
  
[-w (--preferred-maintenance-window value ]  
  
[-z (--preferred-availability-zone) value ]  
  
[Common Options]
```


Options

Name	Description	Required
<i>CacheClusterId</i>	<p>Cache cluster identifier. This is the unique key that identifies a cache cluster. This parameter is stored as a lowercase string.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must contain from 1 to 20 alphanumeric characters or hyphens. First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens.</p> <p>Example: myCacheCluster</p>	Yes
<p><i>-s value[,value...]</i></p> <p><i>--security-group-ids value[,value...]</i></p>	<p>The IDs of Amazon Virtual Private Cloud security groups to associate with the cache cluster. If this parameter is omitted, then the cache cluster will be created outside of an Amazon Virtual Private Cloud (VPC).</p> <p>Type: String[]</p> <p>Example: <i>--security-group-ids mysecuritygroup1,mysecuritygroup2</i></p>	No
<p><i>-sn value</i></p> <p><i>--cache-subnet-group-name value</i></p>	<p>The cache subnet group name to associate with the cache cluster. If this parameter is omitted, then the cache cluster will be created outside of an Amazon Virtual Private Cloud (VPC).</p> <p>Type: String</p> <p>Example: <i>--cache-subnet-group-name mysubnetgroup1</i></p>	No
<p><i>-sg value[,value...]</i></p> <p><i>--cache-security-group-names value[,value...]</i></p>	<p>A list of one or more cache security groups to associate with this cache cluster. Use this parameter only when you are creating a cluster outside of an Amazon Virtual Private Cloud (VPC).</p> <p>Type: String[]</p> <p>Example: <i>--cache-security-group-names mycachesg</i></p>	No

**Amazon ElastiCache Command Line Reference
Options**

Name	Description	Required
<p><code>-c value</code></p> <p><code>--cache-node-type value</code></p>	<p>Contains the compute and memory capacity of the cache cluster.</p> <p>Type: String</p> <p>Default: None</p> <p>Valid values: <code>cache.t1.micro</code> <code>cache.m1.small</code> <code>cache.m1.medium</code> <code>cache.m1.large</code> <code>cache.m1.xlarge</code> <code>cache.m3.xlarge</code> <code>cache.m3.2xlarge</code> <code>cache.m2.xlarge</code> <code>cache.m2.2xlarge</code> <code>cache.m2.4xlarge</code> <code>cache.c1.xlarge</code></p> <p>Example: <code>--cache-node-type cache.m1.xlarge</code></p>	Yes
<p><code>-e value</code></p> <p><code>--engine value</code></p>	<p>Name of the cache engine to be used for this cache cluster.</p> <p>Type: String</p> <p>Default: None</p> <p>Valid values: <code>memcached</code> <code>redis</code></p> <p>Example: <code>--engine memcached</code></p>	Yes
<p><code>-au value</code></p> <p><code>--auto-minor-version-upgrade value</code></p>	<p>Indicates whether minor version upgrades will automatically be applied to the cache cluster during the maintenance window.</p> <p>Type: String</p> <p>Default: <code>true</code></p>	No
<p><code>-pg value</code></p> <p><code>--cache-parameter-group-name value</code></p>	<p>The cache parameter group to associate with the cache cluster.</p> <p>Type: String</p> <p>Default: The default cache parameter group for the specified engine.</p> <p>Example: <code>-pg mycacheparametergroup1</code></p>	No
<p><code>-n value</code></p> <p><code>--num-cache-nodes value</code></p>	<p>Number of cache nodes.</p> <p>Type: Integer</p> <p>Valid values: An integer from 1 to 20. For cache clusters running Redis, the value must be 1.</p> <p>Example: <code>--num-cache-nodes 2</code></p>	Yes

**Amazon ElastiCache Command Line Reference
Options**

Name	Description	Required
<p><code>-p value</code></p> <p><code>--port value</code></p>	<p>Port number that the cache cluster uses for connections.</p> <p>Type: Integer</p> <p>Default: 11211</p> <p>Example: <code>--port 1234</code></p>	No
<p><code>-rg value</code></p> <p><code>--replication-group-id value</code></p>	<p>The identifier of an existing replication group. If this parameter is specified, the new cache cluster will be created in the specified replication group; otherwise, the cache cluster will not be created in a replication group.</p> <p>Type: String</p> <p>Example: <code>--replication-group-id my-repgroup</code></p>	No
<p><code>-sa value</code></p> <p><code>--snapshot-arns value</code></p>	<p>An Amazon Resource Name (ARN) that uniquely identifies a Redis RDB snapshot file stored in Amazon S3. The snapshot file will populate the Redis cache in the new cache cluster. The Amazon S3 object name in the ARN cannot contain any commas.</p> <p>Example: arn:aws:s3:::my_bucket/snapshot1.rdb</p> <p>Note: This parameter is valid only if the <code>--engine</code> parameter is <code>redis</code>.</p> <p>Type: String</p> <p>Example: <code>--snapshot-arns http://[your-bucket-name].S3.amazonaws.com/mysnapshot</code></p>	No
<p><code>-t value</code></p> <p><code>--notification-topic-arn value</code></p>	<p>The Amazon Simple Notification Service (SNS) topic used to publish notifications related to this cache cluster.</p> <p>Type: String</p>	No
<p><code>-v value</code></p> <p><code>--engine-version value</code></p>	<p>The version of the cache engine to use for this cache cluster.</p> <p>Type: String</p>	No

Name	Description	Required
<code>-w value</code> <code>--preferred-maintenance-window value</code>	<p>Specifies the weekly time range during which maintenance on the cache cluster is performed. It is specified as a range in the format <code>ddd:hh24:mi-ddd:hh24:mi</code> (24H Clock UTC). The minimum maintenance window is a 60 minute period.</p> <p>Type: String</p> <p>Example: <code>--preferred-maintenance-window sun:22:00-sun:23:00</code></p>	No
<code>-z value</code> <code>--preferred-availability-zone value</code>	<p>The name of the EC2 Availability Zone where your cache cluster will be created.</p> <p>Note All cache nodes belonging to a cache cluster are placed in the preferred availability zone.</p> <p>Type: String</p> <p>Default: A random, system-chosen Availability Zone.</p> <p>Example: <code>--preferred-availability-zone us-east-1a</code></p>	No

Output

The command returns the following information:

- **Cache Cluster Id** – The user-supplied cache cluster identifier; this is the unique key that identifies a cache cluster
- **Address** – The address used to configure the cache cluster
- **Port** – Port used to configure the cache cluster
- **Client Download Landing Page** – A URL from which you can download the Amazon ElastiCache Cluster Client library.
- **Created** – The data and time the cache cluster was created, in 24-hour UTC format
- **Type** – The compute and memory capacity of the cache cluster
- **Engine** – Name of the cache engine to be used for this cache cluster
- **Status** – The current status of the cache cluster. Valid values: `available` | `creating` | `deleted` | `deleting` | `modifying`
- **Number Of Nodes** – The number of cache nodes within this cluster
- **Preferred AZ** – The preferred availability zone of this cache cluster
- **Maintenance Window** – The window during which patching and cluster modifications will be performed. This column only appears when the `--show-long` parameter is specified.
- **Version** – The cache engine's version number
- **Pending Number of Cache Nodes** – The number of cache nodes that this cache cluster will have once a pending cache modification operation has completed.
- **Pending Version** – The version of the cache engine which will be deployed during the next maintenance window, or which is currently being deployed if the `--apply-immediately` option was specified.

- **Auto Minor Version Upgrade** – Indicates that minor version upgrades will automatically be applied to the cache cluster during its maintenance window. This column appears only in the `--show-long` view.
- **Subnet Group Name** – The name of the subnet group.
- **Subnet Group Status** – The current status of the subnet group.
- **Name** – The cache security group name
- **Status** – The current status of the security group authorization.
- **Group Name** – The name of the applied cache parameter group
- **Apply Status** – Status of applying the parameter group. It can be either `in-sync` or `pending-reboot`.
- **Cache Node Id** – Cache node identifier. This is the unique key that identifies a cache cluster node. (This output appears once per cache node in the cluster.)
- **Created** – The creation date of this cache cluster node. (This output appears once per cache node in the cluster.)
- **Status** – The current status of the node. (This output appears once per cache node in the cluster.)
- **Address** – Address used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Port** – Port used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Parameter Group Status** – The parameter group status for the cache node. If the node needs to be rebooted to apply parameter group changes, it will be `pending-reboot`. If the node is being rebooted, it will be `applying`. Otherwise, the node is in `sync`. (This output appears once per cache node in the cluster.)
- **Topic Arn** – The ARN for The Amazon SNS topic used to publish notifications related to cache clusters
- **Topic Status** – Status of this cache cluster's Amazon SNS notification topic
- **Node Id** – ID of node pending removal
- **Node Id** – ID of node pending reboot to apply outstanding parameter group changes

Examples

Create a cache cluster with the minimal set of parameters

This example a cache cluster with the minimal set of parameters (cache cluster Id, number of nodes, class, engine, and security groups).

```
PROMPT> elasticache-create-cache-cluster mycachecluster01 -n 3 -c cache.m1.large
-e memcached -sg default

CACHECLUSTER mycachecluster01 cache.m1.large memcached creating 3 1.4.5
  SECGROUP default active
  PARAMGRP default.memcached1.4 in-sync
```

Create a cache cluster using all optional parameters

This example a cache cluster with several optional parameters.

```
PROMPT> elasticache-create-cache-cluster mycachecluster01 --num-cache-nodes 3
--cache-node-type cache.m1.large --engine memcached --cache-security-group-names
default --port 12345 --preferred-availability-zone us-east-1d --cache-parameter-
```

```
group-name default.memcached1.4 --preferred-maintenance-window Mon:02:45-  
Mon:03:45 --auto-minor-version-upgrade true --notification-topic-arn  
arn:aws:sns:us-east-1:1234567890:TestSNS
```

```
CACHECLUSTER mycachecluster03 cache.m1.large memcached creating 3 us-east-  
1d 1  
.4.5  
SECGROUP default active  
PARAMGRP default.memcached1.4 in-sync  
NOTIFICATION arn:aws:sns:us-east-1:1234567890:TestSNS  
active
```

Related Operations

- [elasticache-describe-cache-clusters](#) (p. 37)
- [elasticache-modify-cache-cluster](#) (p. 67)
- [elasticache-delete-cache-cluster](#) (p. 28)

elasticache-create-cache-parameter-group

Description

Creates a cache parameter group.

Syntax

`elasticache-create-cache-parameter-group` *CacheParameterGroupName*

`-d` (`--description`) *value*

`-fm` (`--cache-parameter-group-family`) *value*

[Common Options]

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	The name for the cache parameter group. Type: String Default: None Constraints: Must not start with "default". Example: <code>--cache-parameter-group-name mycacheparametergroup1</code>	Yes
<code>-d value</code> <code>--description value</code>	The description for the cache parameter group. Type: String Default: None Constraints: Must not exceed 255 characters. Example: <code>-d "This is my cache parameter group"</code>	Yes

Name	Description	Required
<p><code>-fm value</code></p> <p><code>--cache-parameter-group-family value</code></p>	<p>The family from which to derive the new cache parameter group.</p> <p>A cache parameter group family defines the valid cache engine software that this parameter group is compatible with. For example, a cache parameter group with a family of <code>redis-*</code> can only be used with a cache cluster running Redis.</p> <p>Type: String</p> <p>Default: None</p> <p>Valid values: <code>memcached1.4 redis2.6</code></p> <p>Example: <code>-fm memcached1.4</code></p>	Yes

Output

The command returns the following information:

- **Group Name** – The user-supplied cache parameter group name
- **Parameter Group Family** – Parameter group family to which this group applies.
- **Description** – The description of the cache parameter group

Examples

Create a Cache Parameter Group

This example creates a new cache parameter group.

```
PROMPT> elasticache-create-cache-parameter-group mycacheparametergroup1 -fm
memcached1.4 -d "My first cache parameter group"

CACHEPARAMETERGROUP mycacheparametergroup1 memcached1.4 My first cache
parameter group
```

Related Operations

- [elasticache-delete-cache-parameter-group](#) (p. 31)
- [elasticache-modify-cache-parameter-group](#) (p. 73)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)

elasticache-create-cache-security-group

Description

Creates a new cache security group.

Only use cache security groups when you are creating a cluster outside of an Amazon Virtual Private Cloud (VPC). Inside of a VPC, use VPC security groups.

Syntax

```
elasticache-create-cache-security-group CacheSecurityGroupName
```

```
-d (--description) value
```

[Common Options]

Options

Name	Description	Required
<i>CacheSecurityGroupName</i>	The name for the cache security group. This value is stored as a lowercase string. Type: String Default: None Constraints: Must contain visible characters only. Must contain no more than 255 alphanumeric characters or hyphens. Must not be <i>default</i> .	Yes
-d <i>value</i> --description <i>value</i>	The description for the cache security group. Type: String Default: None Constraints: Must not exceed 255 characters. Example: -d "This is my cache security group"	Yes

Output

The command returns the following information:

- **Name** – Cache security group name
- **Description** – Cache security group description
- **EC2 Group Name** – EC2 security group name
- **EC2 Owner Id** – EC2 security group owner
- **Status** – Status of authorization. Valid values: `authorizing` | `authorized` | `revoking`

Examples

Create a Cache Security Group

This example creates a new cache security group.

```
PROMPT> elasticache-create-cache-security-group --cache-security-group-name  
mycachesecuritygroup --description "My Security Group"
```

```
SECGROUP mycachesecuritygroup My Security Group
```

Related Operations

- [elasticache-delete-cache-security-group](#) (p. 32)
- [elasticache-authorize-cache-security-group-ingress](#) (p. 11)
- [elasticache-describe-cache-security-groups](#) (p. 48)

elasticache-create-cache-subnet-group

Description

Creates a cache subnet group.

Syntax

`elasticache-create-cache-subnet-group` *CacheSubnetGroupName*

`--cache-subnet-group-name` *value*

`-d` (`--description`) *value*

`-s` (`--subnet-ID-list`) *"value,value,value,..."*

[Common Options]

Options

Name	Description	Required
CacheSubnetGroupName <code>--cache-subnet-group-name</code> <i>value</i>	The name of new subnet group. You can also set this value using <code>--cache-subnet-group-name</code> . Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	Yes
<code>-d</code> <code>--description</code> <i>value</i>	The description of the new subnet group. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>--description "Created by John Smith"</code>	Yes
<code>-s</code> <code>--subnet-ID-list</code> <i>"value,value,value,..."</i>	Subnet IDs to place into the subnet group. All input subnet IDs must be in same VPC. Type: String Default: None Constraints: Must be an existing subnet ID. Example: <code>-s "subnet-e0225b8b"</code>	Yes

Output

The command returns the following information:

- **Name** – Subnet group name.
- **Description** – Subnet group description.
- **VPC ID** – Virtual Private Cloud identifier of the subnet group.
- **Subnet Identifier** – Subnet group identifier.
- **Subnet Availability Zone** – Availability Zone for the subnet.

Examples

Creating a Cache Subnet Group

This example creates a cache subnet group with one subnet.

```
PROMPT> elasticache-create-cache-subnet-group --cache-subnet-group-name my
cachesubnetgroup --description "Created by John Smith" --subnet-ID-list subnet-
85596dee

SUBNETGROUP mycachesubnetgroup Created by John Smith vpc-8c596de7
SUBNET subnet-85596dee us-east-1d
```

Related Operations

- [elasticache-delete-cache-subnet-group](#) (p. 33)
- [elasticache-describe-cache-subnet-groups](#) (p. 50)
- [elasticache-modify-cache-subnet-group](#) (p. 75)

elasticache-create-replication-group

Description

Creates a replication group.

Syntax

`elasticache-create-replication-group` *ReplicationGroupId*

`-d` (`--description`) *value*

`-m` (`--primary-cluster-id`) *value*

[Common Options]

Options

Name	Description	Required
ReplicationGroupId <code>--replication-group-id value</code>	The name of the replication group. Type: String. Not case-sensitive. Default: None Constraints: Can contain up to 20 alphanumeric characters or hyphens. Must be unique within your AWS account. Example: <code>my-repgroup</code>	Yes
<code>-d</code> <code>--description value</code>	A description of the replication group. Type: String Default: None Constraints: Can be up to 255 characters. Example: <code>--description "This is my new replication group"</code>	Yes
<code>-m</code> <code>--primary-cluster-id value</code>	The ID of the cache cluster that will be the primary for this replication group. Type: String Default: None Constraints: Must be an existing cache cluster that is not already part of a replication group. Example: <code>-m my-primary-cluster</code>	Yes

Output

The command returns the following information:

- **REPLICATIONGROUP Id** – The name of the replication group that you provided.
- **REPLICATIONGROUP Description** – The description of the replication group that you provided.
- **REPLICATIONGROUP Status** – The current status of the replication group.
- **CLUSTERID Id** – The identifier of the primary cache cluster.

Examples

Creating a Replication Group

This example creates a replication group named `my-repgroup` whose primary cache cluster will be `my-primary-cluster`.

```
PROMPT> elasticache-create-replication-group --replication-group-id my-repgroup  
--description "This is my new replication group" --primary-cluster-id my-  
primary-cluster
```

```
REPLICATIONGROUP my-repgroup This is my new replication group creating  
CLUSTERID my-primary-cluster
```

Related Operations

- [elasticache-describe-replication-groups](#) (p. 59)
- [elasticache-modify-replication-group](#) (p. 77)
- [elasticache-delete-replication-group](#) (p. 35)

elasticache-delete-cache-cluster

Description

Deletes a cache cluster. Once started, the process cannot be stopped, and all of the nodes in the cache cluster will no longer be accessible.

Syntax

```
elasticache-delete-cache-cluster CacheClusterId
```

```
[ -f (--force) ]
```

```
[General Options]
```

Options

Name	Description	Required
<i>CacheClusterId</i>	Cache cluster identifier.	Yes
-f <i>value</i> --force	Forces no confirmation prompt for the delete operation.	No

Output

The command returns the following information:

- **Cache Cluster Id** – The user-supplied cache cluster identifier; this is the unique key that identifies a cache cluster
- **Address** – The address used to configure the cache cluster
- **Port** – Port used to configure the cache cluster
- **Client Download Landing Page** – A URL from which you can download the Amazon ElastiCache Cluster Client library.
- **Created** – The data and time the cache cluster was created, in 24-hour UTC format
- **Type** – The compute and memory capacity of the cache cluster
- **Engine** – Name of the cache engine to be used for this cache cluster
- **Status** – The current status of the cache cluster. Valid values: `available` | `creating` | `deleted` | `deleting` | `modifying`
- **Number Of Nodes** – The number of cache nodes within this cluster
- **Preferred AZ** – The preferred availability zone of this cache cluster
- **Maintenance Window** – The window during which patching and cluster modifications will be performed. This column only appears when the `--show-long` parameter is specified.
- **Version** – The cache engine's version number
- **Pending Number Cache Nodes** – The number of cache nodes that this cache cluster will have once a pending cache modification operation has completed.
- **Pending Version** – The version of the cache engine which will be deployed during the next maintenance window, or which is currently being deployed if the `--apply-immediately` option was specified.

- **Auto Minor Version Upgrade** – Indicates that minor version upgrades will automatically be applied to the cache cluster during its maintenance window. This column appears only in the `--show-long` view.
- **Subnet Group Name** – The name of the subnet group.
- **Subnet Group Status** – The current status of the subnet group.
- **Name** – The cache security group name
- **Status** – The current status of the security group authorization.
- **Group Name** – The name of the applied cache parameter group
- **Apply Status** – Status of applying the parameter group. It can be either `in-sync` or `pending-reboot`.
- **Cache Node Id** – Cache node identifier. This is the unique key that identifies a cache cluster node. (This output appears once per cache node in the cluster.)
- **Created** – The creation date of this cache cluster node. (This output appears once per cache node in the cluster.)
- **Status** – The current status of the node. (This output appears once per cache node in the cluster.)
- **Address** – Address used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Port** – Port used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Parameter Group Status** – The parameter group status for the cache node. If the node needs to be rebooted to apply parameter group changes, it will be `pending-reboot`. If the node is being rebooted, it will be `applying`. Otherwise, the node is in `sync`. (This output appears once per cache node in the cluster.)
- **Topic Arn** – The ARN for The Amazon SNS topic used to publish notifications related to cache clusters
- **Topic Status** – Status of this cache cluster's Amazon SNS notification topic
- **Node Id** – Id of node pending removal
- **Node Id** – Id of node pending reboot to apply outstanding parameter group changes

Examples

Delete a cache cluster

This example deletes a cache cluster.

```
PROMPT> elasticache-delete-cache-cluster mycachecluster03

Once you begin deleting this cache cluster, all of the nodes in the cluster
will no longer be able to accept connections.
Are you sure you want to delete this cache cluster? [Ny]y
CACHECLUSTER mycachecluster03 2013-07-26T23:55:19.073Z cache.m1.large mem
cached
deleting 3 us-east-1d 1.4.5
SECGROUP default active
PARAMGRP default.memcached1.4 in-sync
NOTIFICATION arn:aws:sns:us-east-1:123456789012:ElastiCacheNotifications
active
```


Related Operations

- [elasticache-create-cache-cluster](#) (p. 13)
- [elasticache-describe-cache-clusters](#) (p. 37)
- [elasticache-delete-cache-cluster](#) (p. 28)

elasticache-delete-cache-parameter-group

Description

Immediately deletes a named cache parameter group. The specified cache parameter group cannot be associated with any cache clusters.

Syntax

```
elasticache-delete-cache-parameter-group CacheParameterGroupName
```

```
[ -f (--force) ]
```

```
[Common Options]
```

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	Cache parameter group name. This value can also be passed using the <code>--cache-parameter-group-name</code> named parameter. Constraints: Must be the name of an existing cache parameter group.	Yes
<i>-f</i> <i>--force</i>	Delete the cache parameter group without verification prompting.	No

Examples

Delete a Cache Parameter Group

This example deletes a cache parameter group.

```
PROMPT> elasticache-delete-cache-parameter-group mycacheparametergroup1
```

```
Once you begin deleting this parameter group, it will no longer be available  
for configuring your cache clusters.  
Are you sure you want to delete this parameter group [Ny]y
```

Related Operations

- [elasticache-create-cache-parameter-group](#) (p. 20)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)
- [elasticache-modify-cache-parameter-group](#) (p. 73)

elasticache-delete-cache-security-group

Description

Deletes a cache security group. The specified security group cannot be in use by any cache clusters.

Syntax

```
elasticache-delete-cache-security-group CacheSecurityGroupName
```

```
[ -f (--force) ]
```

```
[Common Options]
```

Options

Name	Description	Required
<i>CacheSecurityGroupName</i>	Cache security group identifier. This value can also be passed using the <code>--cache-security-group-name</code> named parameter. Constraints: Must be the name of an existing cache security group.	Yes
-f --force	Forces no confirmation prompt for the delete operation.	No

Examples

Delete a Cache Security Group

This example deletes a cache security group.

```
PROMPT> elasticache-delete-cache-security-group mysecuritygroup
```

```
Once you begin deleting this security group, it will no longer be available  
for setting access permissions on your cache clusters.
```

```
Are you sure you want to delete this security group [Ny]
```

Related Operations

- [elasticache-create-cache-security-group](#) (p. 22)
- [elasticache-describe-cache-security-groups](#) (p. 48)

elasticache-delete-cache-subnet-group

Description

Deletes a cache subnet group.

Syntax

```
elasticache-delete-cache-subnet-group CacheSubnetGroupName
```

```
--cache-subnet-group-name value
```

[General Options]

Options

Name	Description	Required
CacheSubnetGroupName --cache-subnet-group-name <i>value</i>	The name of an existing cache subnet group. You can specify the subnet group as the first argument to the command, or use the parameter --cache-subnet-group-name. Type: String Default: None Constraints: Maximum length is 255 characters. Example: mysubnetgroup	Yes

Output

This command does not generate any output.

Examples

Deleting a Cache Subnet Group

This example shows how to delete a cache subnet group.

Note

This example will cause an error if a cache cluster is currently using the cache subnet group.

```
PROMPT> elasticache-delete-cache-subnet-group mycachesubnetgroup
```

Related Operations

- [elasticache-create-cache-subnet-group](#) (p. 24)
- [elasticache-describe-cache-subnet-groups](#) (p. 50)

- [elasticache-modify-cache-subnet-group](#) (p. 75)

elasticache-delete-replication-group

Description

Deletes a replication group, all its cache clusters, and for each cache cluster, the node group and all its nodes.

Syntax

`elasticache-delete-replication-group` *ReplicationGroupId*

`--replication-group-id` *value*

`-f` (`--force`)

`-s` (`--subnet-ID-list`) "*value,value,value,...*"

[Common Options]

Options

Name	Description	Required
ReplicationGroupId --replication-group-id <i>value</i>	The name of the replication group to be deleted. Type: String. Not case-sensitive. Default: None Constraints: Must be the name of an existing replication group. Example: <code>my-repgroup</code>	Yes
-f --force	Forces the delete operation to proceed without any confirmation. If this option is not specified, a confirmation prompt will appear.	No

Output

The command returns the following information:

- **REPLICATIONGROUP Id** – The name of the replication group that will be deleted.
- **REPLICATIONGROUP Description** – A description of the replication group.
- **REPLICATIONGROUP Status** – The current status of the replication group.
- **CLUSTERID Id** – A list of identifiers of all cache clusters within the replication group.
- **NODEGROUP Id** – The name of the node group that is associated with the replication group that will be deleted.
- **NODEGROUP Address** – The IP address used to connect to the primary cache node for the node group.
- **NODEGROUP Port** – The port number used to connect to the primary cache node for the node group.
- **NODEGROUP Status** – The current status of the node group.

- **NODEGROUPMEMBER CacheClusterId** – User-supplied cache identifier. This is the unique key that identifies a cache cluster for a customer.
- **NODEGROUPMEMBER CacheNodeId** – Cache node identifier. This is the unique key that identifies a cache cluster node.
- **NODEGROUPMEMBER Address** – The IP address used to connect to an individual cache cluster node in the node group.
- **NODEGROUPMEMBER Port** – The port number used to connect to an individual cache cluster node in the node group.
- **NODEGROUPMEMBER PreferredAZ** – The preferred Availability Zone of the cache cluster node.
- **NODEGROUPMEMBER CurrentRole** – The current role of the cache cluster node.

Examples

Deleting a Replication Group

This example deletes a replication group named `my-repgroup`.

```
PROMPT> elasticache-delete-replication-group --replication-group-id my-repgroup
```

```
Once you begin deleting this replication group, all of the cache clusters in the group will be deleted as well.
```

```
Are you sure you want to delete this replication group and its caches? [Ny]y
```

```
REPLICATIONGROUP my-repgroup My replication group deleting
```

```
CLUSTERID my-cluster
```

```
NODEGROUP 0001 deleting
```

```
NODEGROUPMEMBER my-cluster 0001 my-cluster.cqqvtk.0001.amazon  
aws.com 6379 us-east-1c primary
```

Related Operations

- [elasticache-delete-cache-subnet-group](#) (p. 33)
- [elasticache-describe-cache-subnet-groups](#) (p. 50)
- [elasticache-modify-cache-subnet-group](#) (p. 75)

elasticache-describe-cache-clusters

Description

Returns information about the cache clusters (and, optionally, their cache nodes) for this account. If you provide a cache cluster identifier, this command returns information only about the specified cluster.

Syntax

`elasticache-describe-cache-clusters [CacheClusterId]`

`[-sn (--show-cache-node-info)] value`

[General Options]

Options

Name	Description	Required
<i>CacheClusterId</i>	Cache cluster identifier. This is the unique key that identifies a cache cluster. Stored as a lowercase string. Type: String Default: None Constraints: Must contain from 1 to 20 alphanumeric characters or hyphens. First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens. Example: myCacheCluster	No
<code>-sn</code> <code>--show-cache-node-info</code>	Indicates that node information should be returned. Type: Boolean Default: false	No

Output

The command returns the following information:

- **CacheClusterId** – The user-supplied cache cluster identifier; this is the unique key that identifies a cache cluster
- **Address** – The address used to configure the cache cluster
- **Port** – Port used to configure the cache cluster
- **Client Download Landing Page** – A URL from which you can download the Amazon ElastiCache Cluster Client library.
- **Created** – The data and time the cache cluster was created, in 24-hour UTC format
- **Type** – The compute and memory capacity of the cache cluster
- **Engine** – Name of the cache engine to be used for this cache cluster

- **Status** – The current status of the cache cluster. Valid values: `available` | `creating` | `deleted` | `deleting` | `modifying`
- **NumberOfNodes** – The number of cache nodes within this cluster
- **PreferredAZ** – The preferred availability zone of this cache cluster
- **Version** – The cache engine's version number
- **MaintenanceWindow** – The window during which patching and cluster modifications will be performed. This column only appears when the `--show-long` parameter is specified.
- **PendingNumberCacheNodes** – The number of cache nodes that this cache cluster will have once a pending cache modification operation has completed.
- **Auto Minor Version Upgrade** – Indicates that minor version upgrades will automatically be applied to the cache cluster during its maintenance window. This column appears only in the `--show-long` view.
- **Name** – The cache security group name
- **Status** – The current status of the security group authorization.
- **Group Name** – The name of the cache parameter group applied
- **Apply Status** – Status of applying the parameter group. It can be either `in-sync` or `pending-reboot`.
- **CacheNodeID** – The cache node identifier; this is the unique key that identifies a cache cluster node.
- **Created** – The creation date of this cache cluster node.
- **Status** – The current status of the node.
- **Address** – Address used to connect to the cache cluster node.
- **Port** – Port used to connect to the cache cluster node.
- **ParameterGroupStatus** – The parameter group status for this node. If this node needs to be rebooted to apply parameter group changes, the status will be `pending-reboot`. If this node is being rebooted, the status will be `applying`. Otherwise, the status will be `in-sync`.
- **Topic Arn** – The ARN for the Amazon SNS topic used to publish notifications related to cache clusters
- **Topic Status** – Status of this cache cluster's Amazon SNS notification topic

Examples

Get a Description of All Cache Clusters

This example returns a description of all cache clusters for the account.

```
PROMPT> elasticache-describe-cache-clusters

CACHECLUSTER mycachecluster01 2013-07-26T23:45:20.937Z cache.m1.large mem
cached
available 3 us-east-1b 1.4.5
  SECGROUP default active
  PARAMGRP default.memcached1.4 in-sync
CACHECLUSTER mycachecluster03 2013-07-26T23:55:19.073Z cache.m1.large mem
cached
available 3 us-east-1d 1.4.5
  SECGROUP default active
  PARAMGRP default.memcached1.4 in-sync
  NOTIFICATION arn:aws:sns:us-east-1:123456789012:ElastiCacheNotifications
active
```

Get a Description of A Specified Cache Cluster with Node Information

This example returns a description of a specific cache cluster, showing individual cache nodes and the config endpoint (for use with cache node auto discovery).

```
PROMPT> elasticache-describe-cache-clusters mycachecluster01 --show-cache-node-info

CACHECLUSTER mycachecluster01
  mycachecluster01.khd63w.cfg.usel1dv.cache.amazonaws.com 11211
  https://console.aws.amazon.com/elasticache/home#client-download:
2013-07-26T23:45:20.937Z cache.m1.large memcached
available 3 us-east-1b 1.4.5
  SECGROUP default active
  PARAMGRP default.memcached1.4 in-sync
  CACHENODE 0013 available mycachecluster01.khd63w.0013.usel1dv.cache.amazon
aws.com 11211 in-sync
  CACHENODE 0014 available mycachecluster01.khd63w.0014.usel1dv.cache.amazon
aws.com 11211 in-sync
  CACHENODE 0015 available mycachecluster01.khd63w.0015.usel1dv.cache.amazon
aws.com 11211 in-sync
```

Related Operations

- [elasticache-create-cache-cluster](#) (p. 13)
- [elasticache-delete-cache-cluster](#) (p. 28)
- [elasticache-modify-cache-cluster](#) (p. 67)

elasticache-describe-cache-engine-versions

Description

Returns information about the available cache engine versions. If one or more of the `--engine`, `--version`, or `--cache-parameter-group-family` arguments are specified, this command will return only those version records with the specified values for the specified fields. If all arguments are omitted, all records will be returned.

Syntax

`elasticache-describe-cache-engine-versions`

`[-d (--default-only)]`

`[-e (--engine) value]`

`[-f (--cache-parameter-group-family) value]`

`[-v (--engine-version) value]`

[General Options]

Options

Name	Description	Required
-d --default-only	Return only the default version for the other specified parameters. Type: String Default: None Constraints: Maximum length is 255 characters. Example: mysubnetgroup	No
-e --engine <i>value</i>	The name of the cache engine. Type: String Default: None Constraints: Maximum length is 255 characters. Example: mysubnetgroup	No

Name	Description	Required
-f --cache-parameter-group-family <i>value</i>	The parameter group family to which the version belongs. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	No
-v --engine-version <i>value</i>	The cache engine version string. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	No

Output

The command returns the following information:

- **Engine** – Name of the cache engine.
- **Version** – Cache engine version number.
- **Parameter Group Family** – The version's parameter group family. Only parameter groups with the same parameter group family can be applied to cache clusters running this version.
- **Engine Description** – Description of the cache engine.
- **Engine Version Description** – Description of the cache engine version.

Examples

Describing Cache Engine Versions

This example shows how to delete a cache subnet group.

```
PROMPT> elasticache-describe-cache-engine-versions

VERSION Engine      Version  Parameter Group Family  Engine Description  Engine
Version Description
VERSION memcached  1.4.14  memcached1.4            memcached           mem
cached version 1.4.14
VERSION memcached  1.4.5   memcached1.4            memcached           mem
cached version 1.4.5
VERSION redis      2.6.13  redis2.6                 Redis                Redis
version 2.6.13
```

Related Operations

- [elasticache-create-cache-cluster](#) (p. 13)

elasticache-describe-cache-parameter-groups

Description

Returns information about all cache parameter groups for an account if no cache parameter group name is supplied, or displays information about a specific named cache parameter group.

Syntax

```
elasticache-describe-cache-parameter-groups CacheParameterGroupName
```

```
[--maxrecords value ]
```

[Common Options]

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	Cache parameter group name. This value can also be supplied using the <code>--cache-parameter-group-name</code> parameter. Type: String Default: None	No

Output

The command returns the following information:

- **Group Name** – User-supplied cache parameter group name.
- **Parameter Group Family** – Parameter group family to which this group applies.
- **Description** – Description of the cache parameter group.

Examples

Get a Description of All Cache Parameter Groups

This example returns a description of all cache parameter groups for the account.

```
PROMPT> elasticache-describe-cache-parameter-groups  
  
CACHEPARAMETERGROUP default.memcached1.4 memcached1.4 Default parameter  
group for memcached1.4  
CACHEPARAMETERGROUP mycacheparametergroup2 memcached1.4 My second cache  
parameter group
```

Related Operations

- [elasticache-create-cache-parameter-group](#) (p. 20)
- [elasticache-delete-cache-parameter-group](#) (p. 31)
- [elasticache-modify-cache-parameter-group](#) (p. 73)

elasticache-describe-cache-parameters

Description

Returns information about parameters that are part of a cache parameter group. You can optionally request only parameters from a specific source.

Syntax

`elasticache-describe-cache-parameters` *CacheParameterGroupName*

`[--maxrecords value]`

`[-s (--source) value]`

[Common Options]

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	Cache parameter group name. This value can also be supplied using the <code>--cache-parameter-group-name</code> parameter. Type: String Default: None	Yes
<code>-s value</code> <code>--source value</code>	Specifies which parameter types to return. Type: String Default: None Valid values: user system engine-default	No

Output

The command returns the following information:

- **Parameter Name** – The name of the parameter.
- **Parameter Value** – The current value of the parameter.
- **Description** – A short description of how the parameter is used. This column only appears when the `--show-long` parameter is specified.
- **Source** – Whether this parameter was set by Amazon ElastiCache (`system`), or is an engine default (`engine`). Valid values: `system` | `engine`
- **Data Type** – The data type of the parameter. Valid values: `integer` | `float` | `string` | `boolean`
- **Allowed Values** – Valid values for the parameter. Possible values are separated by commas, and ranges are specified with dashes. This column only appears when the `--show-long` option is specified.
- **Is Modifiable** – Indicates whether a given parameter is modifiable.
- **Minimum Version** – Indicates the earliest engine version to which the parameter can apply.

- **Parameter Name** – The name of the parameter.
- **Cache Node Type** – The cache node type name for which this parameter value applies.
- **Cache Node Type Specific Value** – Value the parameter is currently set to for the associated cache node type.

Examples

Retrieve the Parameters for a Specified Cache Parameter Group

This example retrieves the parameters for the named parameter group, showing column headers on the output.

```
PROMPT> elasticache-describe-cache-parameters mycacheparamgrp --headers
CACHEPARAMETER backlog_queue_limit          1024    system integer false
1.4.5
CACHEPARAMETER binding_protocol             auto    system string  false
1.4.5
CACHEPARAMETER cas_disabled                 0       system boolean true
1.4.5
CACHEPARAMETER chunk_size                   48      system integer true
1.4.5
CACHEPARAMETER chunk_size_growth_factor    1.25    system float  true
1.4.5
CACHEPARAMETER error_on_memory_exhausted   0       system boolean true
1.4.5
CACHEPARAMETER large_memory_pages          0       system boolean false
1.4.5
CACHEPARAMETER lock_down_paged_memory      0       system boolean false
1.4.5
CACHEPARAMETER max_item_size                1048576 system integer true
1.4.5
CACHEPARAMETER max_simultaneous_connections 65000   system integer false
1.4.5
CACHEPARAMETER maximize_core_file_limit    0       system boolean false
1.4.5
CACHEPARAMETER memcached_connections_overhead 100     system integer true
1.4.5
CACHEPARAMETER requests_per_event          20      system integer false
```

1.4.5						
CACHENODETYPESPECIFICPARAMETER	max_cache_memory	system	integer	false	1.4.5	
CACHENODETYPESPECIFICVALUE	cache.c1.xlarge	6000				
CACHENODETYPESPECIFICVALUE	cache.m1.large	7100				
CACHENODETYPESPECIFICVALUE	cache.m1.small	1300				
CACHENODETYPESPECIFICVALUE	cache.m1.xlarge	14600				
CACHENODETYPESPECIFICVALUE	cache.m2.2xlarge	33800				
CACHENODETYPESPECIFICVALUE	cache.m2.4xlarge	68000				
CACHENODETYPESPECIFICVALUE	cache.m2.xlarge	16600				
CACHENODETYPESPECIFICPARAMETER	num_threads	system	integer	false	1.4.5	
CACHENODETYPESPECIFICVALUE	cache.c1.xlarge	8				
CACHENODETYPESPECIFICVALUE	cache.m1.large	2				
CACHENODETYPESPECIFICVALUE	cache.m1.small	1				
CACHENODETYPESPECIFICVALUE	cache.m1.xlarge	4				
CACHENODETYPESPECIFICVALUE	cache.m2.2xlarge	4				
CACHENODETYPESPECIFICVALUE	cache.m2.4xlarge	8				
CACHENODETYPESPECIFICVALUE	cache.m2.xlarge	2				

Related Operations

- [elasticache-create-cache-parameter-group](#) (p. 20)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)
- [elasticache-modify-cache-parameter-group](#) (p. 73)
- [elasticache-delete-cache-parameter-group](#) (p. 31)

elasticache-describe-cache-security-groups

Description

Returns information about all cache security groups for an account if no cache security group name is supplied, or displays information about a specific named cache security group.

Syntax

```
elasticache-describe-cache-security-groups [CacheSecurityGroupName ]
```

[Common Options]

Options

Name	Description	Required
<i>CacheSecurityGroupName</i>	Cache security group name. This value can also be supplied using the <code>--cache-security-group-name</code> parameter. Type: String Default: None	No

Output

The command returns the following information:

- **Name** – Security group name
- **Description** – Description of the cache security group
- **EC2 Group Name** – EC2 Security Group name
- **EC2 Owner Id** – EC2 Security Group owner
- **Status** – Status of security group authorization. Valid values: adding | active | removing

Examples

Get a Description of All Security Groups

This example returns a description of all cache security groups for the account, with column headers.

```
PROMPT> elasticache-describe-cache-security-groups -H
```

```
SECGROUP Name      Description
SECGROUP Default  Default
      EC2-SECGROUP EC2 Group Name  EC2 Owner Id  Status
      EC2-SECGROUP mytestgroup    123456789012  authorized
```

```
SECGROUP mycachesecuritygroup My Security Group
```

Related Operations

- [elasticache-create-cache-security-group](#) (p. 22)
- [elasticache-delete-cache-security-group](#) (p. 32)
- [elasticache-authorize-cache-security-group-ingress](#) (p. 11)
- [elasticache-revoke-cache-security-group-ingress](#) (p. 89)

elasticache-describe-cache-subnet-groups

Description

Describes one or more cache subnet groups.

Syntax

```
elasticache-describe-cache-subnet-groups [CacheSubnetGroupName]
```

```
--cache-subnet-group-name value
```

[Common Options]

Options

Name	Description	Required
<code>--cache-subnet-group-name</code> <i>value</i>	The name of an existing cache subnet group. You can specify the subnet group as the first argument to the command, or use the parameter <code>--cache-subnet-group-name</code> . If this parameter is omitted, all subnet groups are described. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	No

Output

The command returns the following information:

- **Name** – Subnet group name.
- **Description** – Subnet group description.
- **VPC ID** – Virtual Private Cloud identifier of the subnet group.
- **Subnet Identifier** – Subnet group identifier.
- **Subnet Availability Zone** – Availability Zone for the subnet.

Examples

Describing Cache Subnet Groups

This example describes all of the cache subnet groups.

```
PROMPT> elasticache-describe-cache-subnet-groups mycachesubnetgroup
```

```
SUBNETGROUP mycachesubnetgroup Created by John Smith vpc-8c596de7
SUBNET subnet-85596dee us-east-1d
```

Related Operations

- [elasticache-create-cache-subnet-group](#) (p. 24)
- [elasticache-delete-cache-subnet-group](#) (p. 33)
- [elasticache-modify-cache-subnet-group](#) (p. 75)

elasticache-describe-engine-default-parameters

Description

Returns a description of the default parameters used for a specified cache engine.

Syntax

`elasticache-describe-engine-default-parameters` *CacheParameterGroupFamily*

[Common Options]

Options

Name	Description	Required
<i>CacheParameterGroupFamily</i>	Contains the name of the cache parameter group family for which to list defaults. This value can also be set using the <code>--cache-parameter-group-family</code> named parameter. Type: String Default: None	Yes

Output

The command returns the following information:

- **Parameter Name** – The name of the parameter.
- **Parameter Value** – The current value of the parameter.
- **Description** – A short description of how the parameter is used. This column only appears when the `--show-long` parameter is specified.
- **Source** – Whether this parameter was set by Amazon ElastiCache (`system`), or is an engine default (`engine`). Valid values: `system` | `engine`
- **Data Type** – The data type of the parameter. Valid values: `integer` | `float` | `string` | `boolean`
- **Allowed Values** – Valid values for the parameter. Possible values are separated by commas, and ranges are specified with dashes. This column only appears when the `--show-long` option is specified.
- **Is Modifiable** – Indicates whether a given parameter is modifiable.
- **Minimum Version** – Indicates the earliest engine version to which the parameter can apply.
- **Parameter Name** – The name of the parameter.
- **Cache Node Type** – The cache node type name for which this parameter value applies.
- **Cache Node Type Specific Value** – Value the parameter is currently set to for the associated cache node type.

Examples

Display Parameter Values for the Default CacheParameterGroup

This example shows how to display the default CacheParameterGroup parameter values for a specific cache parameter group family and return the results displaying table headers.

```
PROMPT> elasticache-describe-engine-default-parameters memcached1.4 --headers
CACHEPARAMETER Parameter Name Parameter Value Source Data
Type Is Modifiable Minimum Version
CACHEPARAMETER backlog_queue_limit 1024 system integer
false 1.4.5
CACHEPARAMETER binding_protocol auto system string
false 1.4.5
CACHEPARAMETER cas_disabled 0 system boolean
true 1.4.5
CACHEPARAMETER chunk_size 48 system integer
true 1.4.5
CACHEPARAMETER chunk_size_growth_factor 1.25 system float
true 1.4.5
CACHEPARAMETER error_on_memory_exhausted 0 system boolean
true 1.4.5
CACHEPARAMETER large_memory_pages 0 system boolean
false 1.4.5
CACHEPARAMETER lock_down_paged_memory 0 system boolean
false 1.4.5
CACHEPARAMETER max_item_size 1048576 system integer
true 1.4.5
CACHEPARAMETER max_simultaneous_connections 65000 system integer
false 1.4.5
CACHEPARAMETER maximize_core_file_limit 0 system boolean
false 1.4.5
CACHEPARAMETER memcached_connections_overhead 100 system integer
true 1.4.5
CACHEPARAMETER requests_per_event 20 system integer
false 1.4.5
CACHENODETYPESPECIFICPARAMETER Parameter Name Source Data Type Is Modifi
able Minimum Version
CACHENODETYPESPECIFICPARAMETER max_cache_memory system integer false
1.4.5
CACHENODETYPESPECIFICVALUE Cache Node Type Cache Node Type Specific Value
CACHENODETYPESPECIFICVALUE cache.c1.xlarge 6000
CACHENODETYPESPECIFICVALUE cache.m1.large 7100
CACHENODETYPESPECIFICVALUE cache.m1.small 1300
CACHENODETYPESPECIFICVALUE cache.m1.xlarge 14600
CACHENODETYPESPECIFICVALUE cache.m2.2xlarge 33800
CACHENODETYPESPECIFICVALUE cache.m2.4xlarge 68000
CACHENODETYPESPECIFICVALUE cache.m2.xlarge 16600
CACHENODETYPESPECIFICPARAMETER num_threads system integer false
1.4.5
CACHENODETYPESPECIFICVALUE Cache Node Type Cache Node Type Specific Value
CACHENODETYPESPECIFICVALUE cache.c1.xlarge 8
```


CACHENODETYPESPECIFICVALUE	cache.m1.large	2
CACHENODETYPESPECIFICVALUE	cache.m1.small	1
CACHENODETYPESPECIFICVALUE	cache.m1.xlarge	4
CACHENODETYPESPECIFICVALUE	cache.m2.2xlarge	4
CACHENODETYPESPECIFICVALUE	cache.m2.4xlarge	8
CACHENODETYPESPECIFICVALUE	cache.m2.xlarge	2

Related Operations

- [elasticache-describe-cache-parameters](#) (p. 45)
- [elasticache-modify-cache-parameter-group](#) (p. 73)
- [elasticache-reset-cache-parameter-group](#) (p. 87)

elasticache-describe-events

Description

Returns information about events related to your cache clusters, cache security groups or cache parameter groups.

Syntax

`elasticache-describe-events`

`[-d (--duration) value]`

`[-st (--start-time) value]`

`[-et (--end-time) value]`

`[-i (--source-identifier) value]`

`[-s (--source-type) value]`

[Common Options]

Options

Name	Description	Required
<code>-d <i>value</i></code> <code>--duration <i>value</i></code>	The number of minutes for which to retrieve events. Type: Integer Default: 60 Example: Retrieve the last 90 minutes worth of events: <code>--duration 90</code>	No
<code>-st <i>value</i></code> <code>--start-time <i>value</i></code>	The beginning of the time interval to retrieve events, specified in ISO8601 format. For more information about ISO 8601, go to the ISO8601 format Wikipedia page . Type: Date Default: none Example: <code>--start-time 2013-06-31T10:00:00</code>	No

Name	Description	Required
<p><code>-et value</code></p> <p><code>--end-time value</code></p>	<p>The end of the time interval to retrieve events, specified in ISO8601 format. For more information about ISO 8601, go to the ISO8601 format Wikipedia page.</p> <p>Type: Date</p> <p>Default: none</p> <p>Example: <code>--start-time 2013-06-31T12:00:00</code></p>	No
<p><code>-s value</code></p> <p><code>--source-type value</code></p>	<p>Specifies the event source for which to retrieve events.</p> <p>Type: String</p> <p>Valid values: <code>cache-cluster</code>, <code>cache-security-group</code>, <code>cache-parameter-group</code></p> <p>Example: <code>--source-type cache-cluster</code></p>	No
<p><code>-i value</code></p> <p><code>--source-identifier value</code></p>	<p>Used with the <code>--source-type</code> parameter to restrict returned events to a specific named source.</p> <p>Type: String</p> <p>Example: <code>--source-type cache-cluster --source-identifier myCacheCluster</code></p>	No

Output

The command returns the following information:

- **Source Type** – Type of event source
- **Date** – Cache event date/time, in UTC
- **Source Id** – Identifier of the event source
- **Message** – Event description

Examples

Describe All Events

This example returns all events with column headers.

```
PROMPT> elasticache-describe-events --headers
```

```
Source Type           Date                Source Id           Message
cache-security-group 2013-07-26T23:38:31.164Z default            Applied change to
security group
cache-cluster         2013-07-26T23:45:20.937Z mycachecluster01  Cache cluster
created
```

```
cache-cluster      2013-07-26T23:45:20.944Z  mycachecluster01  Added cache
nodes 0013
cache-cluster      2013-07-26T23:45:20.946Z  mycachecluster01  Added cache
nodes 0014
cache-cluster      2013-07-26T23:45:20.949Z  mycachecluster01  Added cache
nodes 0015
cache-cluster      2013-07-26T23:55:19.073Z  mycachecluster03  Cache cluster
created
cache-cluster      2013-07-26T23:55:19.079Z  mycachecluster03  Added cache
nodes 0019
cache-cluster      2013-07-26T23:55:19.081Z  mycachecluster03  Added cache
nodes 0020
cache-cluster      2013-07-26T23:55:19.083Z  mycachecluster03  Added cache
nodes 0021
cache-cluster      2013-07-27T00:18:32.202Z  mycachecluster03  Cache node
0020 shutdown
cache-cluster      2013-07-27T00:18:32.219Z  mycachecluster03  Cache node
0021 shutdown
cache-cluster      2013-07-27T00:18:32.391Z  mycachecluster03  Cache node
0019 shutdown
cache-cluster      2013-07-27T00:20:48.842Z  mycachecluster03  Removed cache
nodes0019
cache-cluster      2013-07-27T00:20:48.845Z  mycachecluster03  Removed cache
nodes0020
cache-cluster      2013-07-27T00:20:48.848Z  mycachecluster03  Removed cache
nodes0021
cache-cluster      2013-07-27T00:20:48.856Z  mycachecluster03  Cache cluster
deleted
```

Describe Events for a Specified Cache Cluster

This example returns only events for a specific cache cluster.

```
PROMPT> elasticache-describe-events --source-type cache-cluster --source-identifier test001
```

Source Type	Date	Source Id	Message
cache-cluster created	2013-07-27 00:37:59	test001	Cache cluster test001
cache-cluster deleted	2013-07-27 01:09:58	test001	Cache cluster test001

Describe Events for a Specified Time Interval

This example returns only events for a specific time interval.

```
PROMPT> elasticache-describe-events --start-time 2013-07-02T00:00:00-08:00 --end-time 2013-07-02T23:59:59-08:00
```

Related Operations

- [elasticache-describe-cache-clusters](#) (p. 37)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)
- [elasticache-describe-cache-security-groups](#) (p. 48)

elasticache-describe-replication-groups

Description

Returns information about the replication groups associated with your AWS account. By default, the command returns information about all of your replication groups. If you specify a replication group ID, this command will return information only about that replication group.

Syntax

```
elasticache-describe-replication-groups ReplicationGroupId
```

```
--replication-group-id value
```

[Common Options]

Options

Name	Description	Required
ReplicationGroupId --replication-group-id <i>value</i>	The name of a replication group whose information will be returned. Type: String. Not case-sensitive. Default: All replication groups associated with your AWS account. Constraints: Must be the name of an existing replication group. Example: <code>my-repgroup</code>	Yes

Output

The command returns the following information:

- **REPLICATIONGROUP Id** – The name of the replication group.
- **REPLICATIONGROUP Description** – A description of the replication group.
- **REPLICATIONGROUP Status** – The current status of the replication group.
- **CLUSTERID Id** – A list of identifiers of all cache clusters within the replication group.
- **NODEGROUP Id** – The name of the node group that is associated with the replication group.
- **NODEGROUP Address** – The IP address used to connect to the primary cache node for the node group.
- **NODEGROUP Port** – The port number used to connect to the primary cache node for the node group.
- **NODEGROUP Status** – The current status of the node group.
- **NODEGROUPMEMBER CacheClusterId** – The name of the cache cluster associated with the cache cluster node
- **NODEGROUPMEMBER CacheNodeId** – The name of an individual cache cluster node in the node group.

- **NODEGROUPMEMBER Address** – The IP address used to connect to an individual cache cluster node in the node group.
- **NODEGROUPMEMBER Port** – The port number used to connect to an individual cache cluster node in the node group.
- **NODEGROUPMEMBER PreferredAZ** – The preferred Availability Zone of the cache cluster node.
- **NODEGROUPMEMBER CurrentRole** – The current role of the cache cluster node.

Examples

Describing a Replication Group

This example describes a replication group named *prod-repgroup*.

```
PROMPT> elasticache-describe-replication-groups prod-repgroup

REPLICATIONGROUP prod-repgroup      Production replication group
available
    CLUSTERID prod-primary
    CLUSTERID prod-replica-1
    CLUSTERID prod-replica-2
    NODEGROUP 0001 prod-repgroup.q68zgw.ng.0001.usel.cache.amazonaws.com
6379 available
    NODEGROUPMEMBER prod-primary 0001 prod-
primary.q68zgw.0001.usel.cache.amazonaws.com 6379 us-east-1a primary
    NODEGROUPMEMBER prod-replica-1 0001 prod-replica-
1.q68zgw.0001.usel.cache.amazonaws.com 6379 us-east-1b replica
    NODEGROUPMEMBER prod-replica-2 0001 prod-replica-
2.q68zgw.0001.usel.cache.amazonaws.com 6379 us-east-1b replica
```

Related Operations

- [elasticache-create-replication-group](#) (p. 26)
- [elasticache-modify-replication-group](#) (p. 77)
- [elasticache-delete-replication-group](#) (p. 35)

elasticache-describe-reserved-cache-nodes

Description

Returns information about reserved Cache Nodes for this account, or about a specified reserved Cache Node.

Syntax

`elasticache-describe-reserved-cache-nodes` *ReservedCacheNodeID*

`[-c (--cache-node-class) value]`

`[-d (--duration) value]`

`[-p (--product-description) value]`

`[-t (--offering-type) value]`

`[-o (--reserved-cache-nodes-offering-id) value]`

[Common Options]

Options

Name	Description	Required
ReservedCacheNodeID <code>--reserved-cache-node-id</code> <i>value</i>	Reserved Cache Node identifier. Provide this parameter to return only information about a specific reserved Cache Node. You can also set this value using the <code>--reserved-cache-node-id</code> parameter. Type: String Default: None Example: <code>--reserved-cache-node-id myreservecachenode</code>	No
<code>-c</code> <code>--cache-node-class</code> <i>value</i>	Cache Node class filter value. Specify this parameter to show only reservations matching the specified Cache Nodes class. Type: String Default: None Example: <code>-c cache.m1.xlarge</code>	No

Name	Description	Required
-d --duration <i>value</i>	Duration filter value, specified in years. Specify this parameter to show only reservations for this duration. Type: String Default: None Example: -d 3y	No
-p --product-description <i>value</i>	Product description filter value. Specify this parameter to show only reservations matching the specified product description. Type: String Default: None Example: -p mydescription	No
-o --reserved-cache-nodes-offering-id <i>value</i>	Offering identifier filter value. Specify this parameter to show only reservations matching the specified offering identifier. Type: String Default: None Example: --reserved-cache-nodes-offering-id SampleReservationID	No
-t --offering-type <i>value</i>	Offering type filter value. Specify this parameter to show only available offerings matching the specified offering type. Type: String Default: None Example: -t "Light Utilization"	No

Output

The command returns the following information:

- **ReservationId** – the unique identifier for the reservation.
- **OfferingID** – the offering identifier (only appears when the `--show-long` parameter is specified).
- **Class** – the Cache Node class for the reservation.
- **Start Time** – the time the reservation started
- **Duration** – the duration of the reservation in years
- **Fixed Price** – the fixed price charged for each Cache Node in this reservation (only appears when the `--show-long` parameter is specified).
- **Usage Price** – the hourly price to run each reserved Cache Node (only appears when the `--show-long` parameter is specified).

- **Count** – the number of cache nodes reserved.
- **Status** – the status of the reservation.
- **Description** – the description of the reserved cache node.

Examples

Describing Reserved Cache Nodes

This example returns descriptions of all of your cache node reservations

```
PROMPT> elasticache-describe-reserved-cache-nodes
```

Describing a Specific Reserved Cache Node

This example returns information about a specific reserved Cache Node.

```
PROMPT> elasticache-describe-reserved-cache-nodes reservation1 --show-long --  
header
```

Related Operations

- [elasticache-describe-reserved-cache-nodes-offerings](#) (p. 64)
- [elasticache-purchase-reserved-cache-nodes-offering](#) (p. 82)

elasticache-describe-reserved-cache-nodes-offerings

Description

Returns information about available reserved Cache Node offerings.

Syntax

```
elasticache-describe-reserved-cache-nodes-offerings ReservedCacheNodesOfferingId
```

```
[--reserved-cache-nodes-offering-id value ]
```

```
[-c (--cache-node-class) value ]
```

```
[-d (--duration) value ]
```

```
[-p (--product-description) value ]
```

```
[-t (--offering-type) value ]
```

[Common Options]

Options

Name	Description	Required
<code>ReservedCacheNodesOfferingId</code> <i>value</i>	Offering identifier filter value. Specify this parameter to show only the available offering that matches the specified Reserved Cache Nodes Offering. This value can also be supplied using the <code>--reserved-cache-nodes-offering-id</code> parameter. Type: String Default: None Example: <code>--reserved-cache-nodes-offering-id 438012d3-4052-4cc7-b2e3-8d3372e0e706</code>	No
<code>-c</code> <code>--cache-node-class</code> <i>value</i>	Cache Node class filter value. Specify this parameter to show only the available offerings matching specified cache node class. Type: String Default: None Example: <code>-c cache.m1.xlarge</code>	No

Name	Description	Required
-d --duration <i>value</i>	Duration filter value, specified in years. Specify this parameter to show only the available offerings for this duration. Type: String Default: None Example: -d 3	No
-p --product-description <i>value</i>	Product description filter value. Specify this parameter to show only available offerings matching the specified product description. Type: Boolean Default: None	No
-t --offering-type <i>value</i>	Offering type filter value. Specify this parameter to show only available offerings matching the specified offering type. Type: String Default: None Example: -t "Light Utilization"	No

Output

The command returns the following information:

- **OfferingId** – the unique identifier for the offering.
- **Class** – the Cache Node class for the offering.
- **Duration** – the length of the duration in years
- **Fixed Price** – the fixed price charged to reserve each Cache Node.
- **Usage Price** – the hourly price to run each reserved Cache Node.
- **Description** – the description of the reserved cache node.

Examples

Describing Reserved Cache Nodes Offerings

This example returns descriptions of all reserved cache node offerings.

```
PROMPT> elasticache-describe-reserved-cache-nodes-offerings
```

Describing a Specific Reserved Cache Node Offering

This example returns information about a specific reserved Cache Node offering.

```
PROMPT> elasticache-describe-reserved-cache-nodes-offerings offering-id -  
-headers
```

Related Operations

- [elasticache-describe-reserved-cache-nodes](#) (p. 61)
- [elasticache-purchase-reserved-cache-nodes-offering](#) (p. 82)

elasticache-modify-cache-cluster

Description

Changes the settings of an existing Cache Cluster.

Syntax

```
elasticache-modify-cache-cluster CacheClusterId

[-s (--security-group-ids) value[,value...] ]

[-sg (--cache-security-group-names) value[,value...] ]

[--apply-immediately ]

[-au (--auto-minor-version-upgrade) ]

[-ts (--notification-topic-status) value ]

[-n (--num-cache-nodes) value ]

[-pg (--cache-parameter-group-name) value ]

[-r (--nodes-to-remove)value[,value...] ]

[-t (--notification-topic-arn) value ]

[-v (--engine-version) value ]

[-w (--preferred-maintenance-window value ]

[Common Options]
```

Options

Name	Description	Required
<i>CacheClusterId</i>	<p>Cache cluster identifier. This is the unique key that identifies a cache cluster. Stored as a lowercase string.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must contain 1 to 20 alphanumeric characters or hyphens. First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens.</p> <p>Example: <code>mycluster</code></p>	Yes

Amazon ElastiCache Command Line Reference
Options

Name	Description	Required
<p><code>-s value[,value...]</code></p> <p><code>--security-group-ids value[,value...]</code></p>	<p>The IDs of Amazon Virtual Private Cloud security groups to associate with the cache cluster.</p> <p>This parameter can be used only with clusters that are created in an Amazon Virtual Private Cloud (VPC).</p> <p>Type: String[]</p> <p>Example: <code>--security-group-ids mysecuritygroup1,mysecuritygroup2</code></p>	No
<p><code>-sg value[,value...]</code></p> <p><code>--cache-security-group-names value[,value...]</code></p>	<p>A list of one or more cache security groups to associate with this cache cluster.</p> <p>This parameter can be used only with clusters that are created outside an Amazon Virtual Private Cloud (VPC).</p> <p>Type: String[]</p> <p>Example: <code>--cache-security-group-names mycachesg</code></p>	No
<p><code>--apply-immediately</code></p>	<p>If this option is included, the cache modifications will be applied immediately. If this option is omitted, the modifications will be applied during the preferred maintenance window.</p> <p>Type: Boolean</p> <p>Default: <code>False</code></p> <p>Valid values: <code>True</code> <code>False</code></p>	No
<p><code>-au value</code></p> <p><code>--auto-minor-version-upgrade value</code></p>	<p>Indicates whether minor version upgrades will automatically be applied to the cache cluster during the maintenance window.</p> <p>Type: String</p>	No
<p><code>-pg value</code></p> <p><code>--cache-parameter-group-name value</code></p>	<p>The cache parameter group to associate with the cache cluster.</p> <p>Type: String</p> <p>Default: The default cache parameter group for the specified engine.</p> <p>Example: <code>-pg mycacheparametergroup1</code></p>	No

Amazon ElastiCache Command Line Reference Output

Name	Description	Required
<code>-n value</code> <code>--num-cache-nodes value</code>	The number of nodes for this cache cluster. If this value is less than the number of nodes for the current cache cluster, you must provide a list of cache nodes to remove using the <code>-r</code> parameter. For cache clusters running Redis, this value must be 1. Type: String	No
<code>-r value</code> <code>--nodes-to-remove value</code>	Comma-delimited list of node identifiers to remove from this cache cluster. This parameter is only required if the <code>-n</code> parameter is specified with a number less than the current number of nodes for this cache cluster. Type: String	No
<code>-t value</code> <code>--notification-topic-arn value</code>	The Amazon Simple Notification Service (SNS) topic used to publish notifications related to this cache cluster. Type: String	No
<code>-ts value</code> <code>--notification-topic-status value</code>	The status of the Amazon Simple Notification Service (SNS) topic for this cache cluster. Notifications are sent only if this is active. Type: Integer Valid values: <code>Active</code> <code>Inactive</code>	No
<code>-v value</code> <code>--engine-version value</code>	The version of the cache engine to use for this cache cluster. Type: String	No
<code>-w value</code> <code>--preferred-maintenance-window value</code>	Specifies the weekly time range during which maintenance on the cache cluster is performed. It is specified as a range in the format <code>ddd:hh24:mi-ddd:hh24:mi</code> (24H Clock UTC). The minimum maintenance window is a 60 minute period. Type: String Example: <code>--preferred-maintenance-window sun:22:00-sun:23:00</code>	No

Output

The command returns the following information:

- **CacheClusterId** – The user-supplied cache cluster identifier; this is the unique key that identifies a cache cluster
- **Address** – The address used to configure the cache cluster

- **Port** – Port used to configure the cache cluster
- **Client Download Landing Page** – A URL from which you can download the Amazon ElastiCache Cluster Client library.
- **Created** – The data and time the cache cluster was created, in 24-hour UTC format
- **Type** – The compute and memory capacity of the cache cluster
- **Engine** – Name of the cache engine to be used for this cache cluster
- **Status** – The current status of the cache cluster. Valid values: `available` | `creating` | `deleted` | `deleting` | `modifying`
- **NumberOfNodes** – The number of cache nodes within this cluster
- **PreferredAZ** – The preferred availability zone of this cache cluster
- **MaintenanceWindow** – The window during which patching and cluster modifications will be performed. This column only appears when the `--show-long` parameter is specified.
- **Version** – The cache engine's version number
- **PendingNumberCacheNodes** – The number of cache nodes that this cache cluster will have once a pending cache modification operation has completed.
- **Pending Version** – The version of the cache engine which will be deployed during the next maintenance window, or which is currently being deployed if the `--apply-immediately` option was specified.
- **Auto Minor Version Upgrade** – Indicates that minor version upgrades will automatically be applied to the cache cluster during its maintenance window. This column appears only in the `--show-long` view.
- **Subnet Group Name** – The name of the subnet group.
- **Subnet Group Status** – The current status of the subnet group.
- **Name** – The cache security group name
- **Status** – The current status of the security group authorization.
- **Group Name** – The name of the applied cache parameter group
- **Apply Status** – Status of applying the parameter group. It can be either `in-sync` or `pending-reboot`.
- **Cache Node Id** – Cache node identifier. This is the unique key that identifies a cache cluster node. (This output appears once per cache node in the cluster.)
- **Created** – The creation date of this cache cluster node. (This output appears once per cache node in the cluster.)
- **Status** – The current status of the node. (This output appears once per cache node in the cluster.)
- **Address** – Address used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Port** – Port used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Parameter Group Status** – The parameter group status for the cache node. If the node needs to be rebooted to apply parameter group changes, it will be `pending-reboot`. If the node is being rebooted, it will be `applying`. Otherwise, the node is in `sync`. (This output appears once per cache node in the cluster.)
- **Topic Arn** – The ARN for The Amazon SNS topic used to publish notifications related to cache clusters
- **Topic Status** – Status of this cache cluster's Amazon SNS notification topic
- **Node Id** – Id of node pending removal
- **Node Id** – Id of node pending reboot to apply outstanding parameter group changes

Examples

Associate a Security Group with a Cache Cluster

This example shows how to associate a cache security group with this cache cluster.

```
PROMPT> elasticache-modify-cache-cluster myCacheCluster --cache-security-group-names mycoworkers
```

Increase the Number of Cache Nodes

This example shows how to increase the number of cache nodes from three to five.

```
PROMPT> elasticache-modify-cache-cluster myCacheCluster --num-cache-nodes 5
```

Decrease the Number of Cache Nodes

This example shows how to decrease the number of cache nodes from five to three.

```
PROMPT> elasticache-modify-cache-cluster myCacheCluster --num-cache-nodes 3 --nodes-to-remove 0001,0002
```

Modify the Amazon Simple Notification Service (SNS) Topic

This example shows how to modify the Amazon SNS topic.

Note

The AWS customer account of the SNS topic must be the same as the account used to create the cache cluster.

```
PROMPT> elasticache-modify-cache-cluster myCacheCluster --notification-topic-arn arn:aws:sns:us-east-1:1234567890:TestSNS
```

Change the Amazon SNS Notification Status

This example shows how to change the status of the Amazon SNS notification topic associated with the cache cluster from active to inactive.

Note

This example will cause an error if there is no Amazon SNS topic associate with this cache cluster.

```
PROMPT> elasticache-modify-cache-cluster myCacheCluster --notification-topic-status inactive
```

Change the Auto Minor Upgrade Preference

This example shows how to change the auto minor upgrade preference for a cache cluster.

```
PROMPT> elasticache-modify-cache-cluster mycachecluster --auto-minor-version-  
upgrade true
```

Related Operations

- [elasticache-create-cache-cluster](#) (p. 13)
- [elasticache-delete-cache-cluster](#) (p. 28)
- [elasticache-describe-cache-clusters](#) (p. 37)

elasticache-modify-cache-parameter-group

Description

Updates the parameters in a cache parameter group. You can update up to 20 values per call.

Syntax

```
elasticache-modify-cache-parameter-group CacheParameterGroupName
```

```
-p (--parameter-name-values) "name=value, value=value"
```

```
[-p (--parameter-name-values) "name=value, value=value" ...]
```

[General Options]

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	Cache parameter group identifier. Stored as a lowercase string. This value can also be passed using the <code>--cache-parameter-group-name</code> named parameter. Constraints: Must be the name of an existing cache parameter group.	Yes
-p <code>--parameter-name-values</code> " <i>name=value, value=value</i> "	A string containing a series of parameter names and values. The first <code>--parameter-name-values</code> argument is required; subsequent arguments are optional. A maximum of 20 parameters may be updated in a single call to the <code>elasticache-modify-parameter-group</code> command.	Yes

Output

The command returns the following information:

- **Group Name** – The name of the parameter group that was modified.

Examples

Modify Parameters in a Parameter Group

This example shows how to modify a group of parameters in a parameter group.

```
PROMPT> elasticache-modify-cache-parameter-group mycacheparamgrp --parameter-  
name-values "name=chunk_size, value=100" --parameter-name-values  
"name=cas_disabled, value=1"
```

```
CACHEPARAMETERGROUP mycacheparamgrp
```

Related Operations

- [elasticache-create-cache-parameter-group](#) (p. 20)
- [elasticache-delete-cache-parameter-group](#) (p. 31)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)

elasticache-modify-cache-subnet-group

Description

Modifies a cache subnet group.

Syntax

`elasticache-modify-cache-subnet-group` *CacheSubnetGroupName*

`--cache-subnet-group-name` *value*

`-d` (`--description`) *value*

`-s` (`--subnet-ID-list`) "*value,value,value,...*"

[Common Options]

Options

Name	Description	Required
CacheSubnetGroupName --cache-subnet-group-name <i>value</i>	The name of an existing cache subnet group. You can specify the subnet group as the first argument to the command, or use the parameter <code>--cache-subnet-group-name</code> . Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	Yes
-d --description <i>value</i>	A description for the subnet group. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>mysubnetgroup</code>	No
-s --subnet-ID-list <i>value1,value2,value3,...</i>	Subnet IDs to place into the subnet group. All input subnet IDs must be in same VPC. Type: String Default: None Constraints: Maximum length is 255 characters. Example: <code>-s "subnet-e0225b8b"</code>	No

Output

The command returns the following information:

- **Name** – Subnet group name.
- **Description** – Subnet group description.
- **VPC ID** – Virtual Private Cloud identifier of the subnet group.
- **Subnet Identifier** – Subnet group identifier.
- **Subnet Availability Zone** – Availability Zone for the subnet.

Examples

Modifying a Cache Subnet Group

This example shows how to modify a cache subnet group description.

```
PROMPT> elasticache-modify-cache-subnet-group mycachesubnetgroup -d "This is a
new description"

SUBNETGROUP mycachesubnetgroup This is a new description vpc-8c596de7
SUBNET subnet-85596dee us-east-1d
```

Related Operations

- [elasticache-create-cache-subnet-group](#) (p. 24)
- [elasticache-delete-cache-subnet-group](#) (p. 33)
- [elasticache-describe-cache-subnet-groups](#) (p. 50)

elasticache-modify-replication-group

Description

Changes the settings of an existing replication group and its member cache clusters. You can include any combination of optional parameters when using this command.

Syntax

```
elasticache-modify-replication-group ReplicationGroupId
```

```
--apply-immediately
```

```
-au (--auto-minor-version-upgrade) value
```

```
-d (--description) value
```

```
-m (--description) value
```

```
-pg (--description) value
```

```
-s (--security-group-ids) "value,value,value,..."
```

```
-sg (--cache-security-group-names) value
```

```
-t (--notification-topic-arn) value
```

```
-ts (--notification-topic-status) value
```

```
-v (--engine-version) value
```

```
-w (--preferred-maintenance-window) value
```

[Common Options]

Options

Name	Description	Required
ReplicationGroupId --replication-group-id <i>value</i>	The name of the replication group to be modified. Type: String. Not case-sensitive. Default: None Constraints: Must be the name of an existing replication group. Example: my-repgroup	Yes
--apply-immediately	If you specify this option, the modifications will be applied immediately; otherwise, the modifications will be applied during the next scheduled maintenance window.	No

Amazon ElastiCache Command Line Reference
Options

Name	Description	Required
<p>-au</p> <p>--auto-minor-version-upgrade <i>value</i></p>	<p>If true, minor version upgrades will automatically be applied to the cache clusters in this replication group during the next scheduled maintenance window.</p> <p>Type: String</p> <p>Default: false</p> <p>Constraints: Must be either <i>true</i> or <i>false</i>.</p> <p>Example: --auto-minor-version-upgrade=true</p>	No
<p>-d</p> <p>--description <i>value</i></p>	<p>A revised description of the replication group.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Maximum length is 255 characters.</p> <p>Example: --description "My replication group"</p>	No
<p>-m</p> <p>--primary-cluster-id <i>value</i></p>	<p>If this parameter is specified, ElastiCache will promote the specified cache cluster to the primary role. Any other cache clusters in the replication group will be read replicas.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be an existing cache cluster that is part of the replication group.</p> <p>Example: -m newcluster</p>	No
<p>-pg</p> <p>--cache-parameter-group-name <i>value</i></p>	<p>The name of the cache parameter group to be applied to all of the cache nodes in the replication group.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be an existing cache parameter group.</p> <p>Example: --cache-parameter-group-name my-custom-params</p>	No

Amazon ElastiCache Command Line Reference
Options

Name	Description	Required
<p><code>-s</code></p> <p><code>--security-group-ids</code> <code>"value,value,value,..."</code></p>	<p>A comma-separated list of security group IDs to associate with the cache clusters in the replication group.</p> <p>Type: String</p> <p>Default: None</p> <p>Example: <code>--security-group-ids "sg1,sg2,sg3"</code></p>	No
<p><code>-sg</code></p> <p><code>--cache-security-group-names</code> <code>"value,value,value,..."</code></p>	<p>A comma-separated list of cache security group names to associate with the cache nodes in the replication group.</p> <p>Type: String</p> <p>Default: None</p> <p>Example: <code>--cache-security-group-names "sg1,sg2,sg3"</code></p>	No
<p><code>-t</code></p> <p><code>--notification-topic-arn</code> <code>value</code></p>	<p>An Amazon SNS topic ARN that will be used to publish notifications concerning the cache clusters in the replication group.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be a valid Amazon Resource Name (ARN).</p> <p>Example: <code>--notification-topic-arn arn:aws:sns:us-east-1:555419523791:ElastiCacheNotifications</code></p>	No
<p><code>-ts</code></p> <p><code>--notification-topic-status</code> <code>value</code></p>	<p>If <code>active</code>, Amazon SNS notifications will be sent to the associated topic ARN..</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be either <code>active</code> or <code>inactive</code>.</p> <p>Example: <code>--notification-topic-status active</code></p>	No
<p><code>-v</code></p> <p><code>--engine-version</code> <code>value</code></p>	<p>The version number of the cache engine software. The cache clusters in this replication group will be upgraded to this version.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be a valid version number.</p> <p>Example: <code>--engine-version 1.4.5</code></p>	No

Name	Description	Required
<p><code>-w</code></p> <p><code>--preferred-maintenance-window value</code></p>	<p>The weekly time range during which maintenance on the cache clusters in the replication group is performed. The minimum maintenance window is 60 minutes.</p> <p>Type: String</p> <p>Default: None</p> <p>Constraints: Must be in the format <code>ddd:hh24:mi-ddd:hh24:mi</code> (24 hour clock, UTC).</p> <p>Example: <code>--preferred-maintenance-window "Tue:04:00-Tue:05:00"</code></p>	No

Output

The command returns the following information:

- **REPLICATIONGROUP Id** – The name of the replication group that is being modified.
- **REPLICATIONGROUP Description** – A description of the replication group.
- **REPLICATIONGROUP Status** – The current status of the replication group.
- **CLUSTERID Id** – A list of identifiers of all cache clusters within the replication group.
- **NODEGROUP Id** – The name of the node group that is associated with the replication group.
- **NODEGROUP Address** – The IP address used to connect to the primary cache node for the node group.
- **NODEGROUP Port** – The port number used to connect to the primary cache node for the node group.
- **NODEGROUP Status** – The current status of the node group.
- **NODEGROUPMEMBER CacheClusterId** – The name of the cache cluster associated with the cache cluster node.
- **NODEGROUPMEMBER CacheNodeId** – The name of an individual cache cluster node in the node group.
- **NODEGROUPMEMBER Address** – The IP address used to connect to the cache cluster node.
- **NODEGROUPMEMBER Port** – The port number used to connect to the cache cluster node.
- **NODEGROUPMEMBER PreferredAZ** – The preferred Availability Zone of the cache cluster node.
- **NODEGROUPMEMBER CurrentRole** – The current role of the cache cluster node.

Examples

Modifying a Replication Group

This example enables automatic minor version upgrades for a replication group.

```
PROMPT> elasticache-modify-replication-group prod-repgroup --auto-minor-version-upgrade=true

REPLICATIONGROUP prod-repgroup      Production replication group
```

```
available
  CLUSTERID prod-primary
  CLUSTERID prod-replica-1
  CLUSTERID prod-replica-2
  NODEGROUP 0001 prod-repgroup.q68zgw.ng.0001.use1.cache.amazonaws.com
6379 available
  NODEGROUPMEMBER prod-primary 0001 prod-
primary.q68zgw.0001.use1.cache.amazonaws.com 6379 us-east-1a primary
  NODEGROUPMEMBER prod-replica-1 0001 prod-replica-
1.q68zgw.0001.use1.cache.amazonaws.com 6379 us-east-1b replica
  NODEGROUPMEMBER prod-replica-2 0001 prod-replica-
2.q68zgw.0001.use1.cache.amazonaws.com 6379 us-east-1b replica
```

Related Operations

- [elasticache-create-replication-group](#) (p. 26)
- [elasticache-describe-replication-groups](#) (p. 59)
- [elasticache-delete-replication-group](#) (p. 35)

elasticache-purchase-reserved-cache-nodes-offering

Description

Purchases a reserved Cache Node offering.

Syntax

```
elasticache-purchase-reserved-cache-node-offering ReservedCacheNodesOfferingId
```

```
[-c (--cache-node-count) value ]
```

```
[-i (--reserved-cache-node-id) value ]
```

[General Options]

Options

Name	Description	Required
<code>ReservedCacheNodesOfferingId</code>	The ID of the Reserved Cache Node offering to purchase. You can also set this value using the <code>--reserved-cache-nodes-offering-id</code> parameter. Type: String Default: None Example: <code>--reserved-cache-nodes-offering-id myreservedcachemode</code>	Yes
<code>-c</code> <code>--cache-node-count <i>value</i></code>	The number of Cache Nodes to reserve. Type: Integer Default: 1 Example: <code>-c 3</code>	No
<code>-i</code> <code>--reserved-cache-node-id <i>value</i></code>	Optional unique identifier for the purchased reservation. If this parameter is not specified, an identifier is automatically generated for the reservation. Type: String Default: None Example: <code>-i myreservationID</code>	No

Output

The command returns the following information:

- **ReservationId** – the unique identifier for the reservation.
- **OfferingID** – the offering identifier (only appears when the `--show-long` parameter is specified).
- **Class** – the Cache Node class for the reservation.
- **Start Time** – the time the reservation started
- **Duration** – the length of the duration in years.
- **Fixed Price** – the fixed price charged for each Cache Node in this reservation (only appears when the `--show-long` parameter is specified).
- **Usage Price** – the hourly price to run each reserved Cache Node (only appears when the `--show-long` parameter is specified).
- **Count** – the number of cache nodes reserved.
- **State** – the payment status of the reservation.
- **Description** – the description of the reserved cache node.

Examples

Reserve a Cache Node

This example reserves a single cache node from offering 438012d3-4052-4cc7-b2e3-8d3372e0e706.

```
PROMPT> elasticache-purchase-reserved-cache-nodes-offering 438012d3-4052-4cc7-  
b2e3-8d3372e0e706 -i myreservationID
```

Reserve Multiple Cache Nodes

This example reserves five cache nodes from offering 438012d3-4052-4cc7-b2e3-8d3372e0e706.

```
PROMPT> elasticache-purchase-reserved-cache-nodes-offering 438012d3-4052-4cc7-  
b2e3-8d3372e0e706 -i myreservationID -c 5
```

Related Operations

- [elasticache-describe-reserved-cache-nodes](#) (p. 61)
- [elasticache-describe-reserved-cache-nodes-offerings](#) (p. 64)

elasticache-reboot-cache-cluster

Description

Reboots cache nodes. You can supply multiple cache node identifiers to reboot multiple cache nodes.

Syntax

`elasticache-reboot-cache-cluster` *CacheClusterId*

`-r` (`--nodes-to-reboot`) *value[,value...]*

[Common Options]

Options

Name	Description	Required
<i>CacheClusterId</i>	Cache Cluster identifier. This value can also be passed using the <code>--cache-cluster-id</code> parameter. Constraints: Must be the name of an existing cache cluster.	Yes
<code>-r</code> <code>--nodes-to-reboot</code> <i>"value[,value...]"</i>	Comma-separated list of identifiers of cache nodes to be rebooted. Only the nodes corresponding to the supplied cache node identifiers will be rebooted. Constraints: Must be existing cache nodes.	Yes

Output

The command returns the following information:

- **CacheClusterId** – The user-supplied cache cluster identifier; this is the unique key that identifies a cache cluster
- **Address** – The address used to configure the cache cluster
- **Port** – Port used to configure the cache cluster
- **Client Download Landing Page** – A URL from which you can download the Amazon ElastiCache Cluster Client library.
- **Created** – The data and time the cache cluster was created, in 24-hour UTC format
- **Type** – The compute and memory capacity of the cache cluster
- **Engine** – Name of the cache engine to be used for this cache cluster
- **Status** – The current status of the cache cluster. Valid values: `available` | `creating` | `deleted` | `deleting` | `modifying`
- **NumberOfNodes** – The number of cache nodes within this cluster
- **PreferredAZ** – The preferred availability zone of this cache cluster
- **MaintenanceWindow** – The window during which patching and cluster modifications will be performed. This column only appears when the `--show-long` parameter is specified.
- **Version** – The cache engine's version number

- **PendingNumberCacheNodes** – The number of cache nodes that this cache cluster will have once a pending cache modification operation has completed.
- **Pending Version** – The version of the cache engine which will be deployed during the next maintenance window, or which is currently being deployed if the `--apply-immediately` option was specified.
- **Auto Minor Version Upgrade** – Indicates that minor version upgrades will automatically be applied to the cache cluster during its maintenance window. This column appears only in the `--show-long` view.
- **Subnet Group Name** – The name of the subnet group.
- **Subnet Group Status** – The current status of the subnet group.
- **Name** – The cache security group name
- **Status** – The current status of the security group authorization.
- **Group Name** – The name of the applied cache parameter group
- **Apply Status** – Status of applying the parameter group. It can be either `in-sync` or `pending-reboot`.
- **Cache Node Id** – Cache node identifier. This is the unique key that identifies a cache cluster node. (This output appears once per cache node in the cluster.)
- **Created** – The creation date of this cache cluster node. (This output appears once per cache node in the cluster.)
- **Status** – The current status of the node. (This output appears once per cache node in the cluster.)
- **Address** – Address used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Port** – Port used to connect to the cache cluster node. (This output appears once per cache node in the cluster.)
- **Parameter Group Status** – The parameter group status for the cache node. If the node needs to be rebooted to apply parameter group changes, it will be `pending-reboot`. If the node is being rebooted, it will be `applying`. Otherwise, the node is in `sync`. (This output appears once per cache node in the cluster.)
- **Topic Arn** – The ARN for The Amazon SNS topic used to publish notifications related to cache clusters
- **Topic Status** – Status of this cache cluster's Amazon SNS notification topic
- **Node Id** – Id of node pending removal
- **Node Id** – Id of node pending reboot to apply outstanding parameter group changes

Examples

Reboot a Cache Cluster

This example reboots a cache cluster.

```
PROMPT> elasticache-reboot-cache-cluster mycachecluster01 --nodes-to-reboot
0011,0012

CACHECLUSTER mycachecluster01 2013-07-26T01:21:46.607Z cache.m1.large mem
cached
rebooting cache cluster nodes 6 us-east-1d 1.4.5
  SECGROUP default active
  PARAMGRP default.memcached1.4 in-sync
  NOTIFICATION arn:aws:sns:us-east-1:565419523791:ElastiCacheNotifications
active
```


Related Operations

- [elasticache-create-cache-cluster](#) (p. 13)
- [elasticache-delete-cache-cluster](#) (p. 28)
- [elasticache-describe-cache-clusters](#) (p. 37)

elasticache-reset-cache-parameter-group

Description

Resets individual parameters or all parameters in a parameter group to cache engine defaults.

Syntax

`elasticache-reset-cache-parameter-group` *CacheParameterGroupName*

`[-p (--parameter-name-values) "name=value" ...]`

`[-a (--reset-all-parameters)]`

[Common Options]

Options

Name	Description	Required
<i>CacheParameterGroupName</i>	Cache parameter group identifier. This value can also be passed using the <code>--cache-parameter-group-name</code> named parameter. Constraints: Must be the name of an existing cache parameter group.	Yes
<code>-p</code> <code>--parameter-name-values</code> <code>"name=value"</code>	A string containing a series of parameter names to reset. A maximum of 20 parameters may be reset in a single call to the elasticache-reset-cache-parameter-group command. Constraints: Cannot be specified if --reset-all-parameters is specified.	Conditional
<code>-a</code> <code>--reset-all-parameters</code>	Specifies that all parameters in the group should be reset to their defaults. Constraints: Cannot be specified if --parameter-name-values string is specified.	Conditional

Output

The command returns the following information:

- **Group Name** – the name of the parameter group that was modified.

Examples

Reset Parameters in a Parameter Group

This example shows how to reset some parameters in a parameter group.

```
PROMPT> elasticache-reset-cache-parameter-group mycacheparamgrp --parameter-  
name-values "name=cas_disabled" --parameter-name-values "name=requests_per_event"  
  
CACHEPARAMETERGROUP mycacheparametergroup
```

Reset Parameters in a Parameter Group

This example shows how to reset all parameters in a parameter group.

```
PROMPT> elasticache-reset-cache-parameter-group mycacheparamgrp --reset-all-  
parameters  
  
CACHEPARAMETERGROUP mycacheparametergroup
```

Related Operations

- [elasticache-create-cache-parameter-group](#) (p. 20)
- [elasticache-delete-cache-parameter-group](#) (p. 31)
- [elasticache-describe-cache-parameter-groups](#) (p. 43)

elasticache-revoke-cache-security-group-ingress

Description

Revokes ingress to a cache security group for previously authorized EC2 security groups.

Syntax

```
elasticache-revoke-cache-security-group-ingress CacheSecurityGroupName
```

```
-g (--ec2-security-group-name) value
```

```
-o (--ec2-security-group-owner) value
```

[Common Options]

Options

Name	Description	Required
CacheSecurityGroupName --cache-security-group-name <i>value</i>	The name of the cache security group. This can also be passed as a named parameter using --cache-security-group-name <i>value</i> Type: String Default: None Example: --cache-security-group-name mycachesecuritygroup	Yes
-g --ec2-security-group-name <i>value</i>	The name of the EC2 security group. Type: String Default: None Example: -g myec2securitygroup	Yes
-o --ec2-security-group-owner-id <i>value</i>	The AWS account number for the owner of the EC2 security group. Note This is the AWS account number, not the AWS access Id. Type: String Example: -o 123456789012	Yes

Output

The command returns the following information:

- **Name** – the security group name

- **Description** – the security group description
- **EC2 Group Name** – the name of the EC2 security group
- **EC2 Owner Id** – the owner of the EC2 security group
- **Status** – the status of the authorization

Examples

Revoking Authorization for an EC2 Security Group

This example revokes authorization for an EC2 security group.

```
PROMPT> elasticache-revoke-cache-security-group-ingress Default --ec2-security-  
group-name secgrp --ec2-security-group-owner-id 123456789012  
  
SECGROUP default default  
EC2-SECGROUP mainServerGrp 123445677890 revoking
```

Related Operations

- [elasticache-authorize-cache-security-group-ingress](#) (p. 11)
- [elasticache-describe-cache-security-groups](#) (p. 48)
- [elasticache-create-cache-security-group](#) (p. 22)
- [elasticache-delete-cache-security-group](#) (p. 32)

elasticache-version

Description

Returns the current version of the Amazon ElastiCache Command Line Interface.

Syntax

```
elasticache-version
```

Options

None.

Output

This command returns a string containing the version of the Amazon ElastiCache Command Line Interface.

Examples

Example Request

This example returns the version of the Amazon ElastiCache Command Line Interface.

```
PROMPT>elasticache-version  
  
Amazon ElastiCache CLI version 1.9.000 (API 2013-06-15)
```

Related Operations

- [List of Command Line Operations by Function \(p. 9\)](#)

Document History

The following table describes the important changes to the documentation since the last release of the *Amazon ElastiCache Command Line Reference*.

- **API version:** 2013-06-15
- **Latest documentation update:** December 20, 2012

Change	Description	Date Changed
Support for Amazon Virtual Private Cloud (VPC)	In this release, ElastiCache clusters can be launched in Amazon Virtual Private Cloud (VPC). For more information, see ElastiCache and Amazon Virtual Private Cloud and Using ElastiCache with Amazon Virtual Private Cloud (VPC) in the <i>Amazon ElastiCache User Guide</i> .	December 20, 2012
New Service	This is initial public beta release of the <i>Amazon ElastiCache Command Line Reference</i> .	August 22, 2012