# How to create and manage Azure Redis Cache using the Azure Command-Line Interface (Azure CLI)

The Azure CLI is a great way to manage your Azure infrastructure from any platform. This article shows you how to create and manage your Azure Redis Cache instances using the Azure CLI.

## Prerequisites

To create and manage Azure Redis Cache instances using Azure CLI, you must complete the following steps.

* You must have an Azure account. If you don’t have one, you can create a [trial account](/pricing/1rmb-trial/) in just a few moments.
* [Install the Azure CLI](/documentation/articles/xplat-cli-install).
* Connect your Azure CLI installation with a personal Azure account, or with a work or school Azure account, and log in from the Azure CLI using the azure login command. To understand the differences and choose, see [Connect to an Azure subscription from the Azure Command-Line Interface (Azure CLI)](/documentation/articles/xplat-cli-connect).
* Before running any of the following commands, switch the Azure CLI into Resource Manager mode by running the azure config mode arm command. For more information, see [Setting the Azure Resource Manager mode](/documentation/articles/xplat-cli-azure-resource-manager#setting-the-azure-resource-manager-mode).

## Redis Cache properties

The following properties are used when creating and updating Redis Cache instances.

|  |  |  |
| --- | --- | --- |
| Property | Switch | Description |
| name | -n, –name | Name of the Redis Cache. |
| resource group | -g, –resource-group | Name of the Resource Group. |
| location | -l, –location | Location to create cache. |
| size | -z, –size | Size of the Redis Cache. Valid values: [C0, C1, C2, C3, C4, C5, C6] |
| sku | -x, –sku | Redis SKU. Should be one of : [Basic, Standard] |
| MaxMemoryPolicy | -m, –max-memory-policy | MaxMemoryPolicy property of the Redis Cache. Valid values: [AllKeysLRU, AllKeysRandom, NoEviction, VolatileLRU, VolatileRandom, VolatileTTL] |
| EnableNonSslPort | -e, –enable-non-ssl-port | EnableNonSslPort property of the Redis Cache. Add this flag if you want to enable the Non SSL Port for your cache |
| subscription | -s, –subscription | The subscription identifier. |
| key type | -t, –key-type | Type of key to renew. Valid values: [Primary, Secondary] |

## See all Redis Cache commands

To see all Redis Cache commands and their parameters, use the azure rediscache -h command.

C:\>azure rediscache -h  
help: Commands to manage your Azure Redis Cache(s)  
help:  
help: Create a Redis Cache  
help: rediscache create [--name <name> --resource-group <resource-group> --location <location> [options]]  
help:  
help: Delete an existing Redis Cache  
help: rediscache delete [--name <name> --resource-group <resource-group> ]  
help:  
help: List all Redis Caches within your Subscription or Resource Group  
help: rediscache list [options]  
help:  
help: Show properties of an existing Redis Cache  
help: rediscache show [--name <name> --resource-group <resource-group>]  
help:  
help: Change settings of an existing Redis Cache  
help: rediscache set [--name <name> --resource-group <resource-group> --max-memory-policy <max-memory-policy>]  
help:  
help: Renew the authentication key for an existing Redis Cache  
help: rediscache renew-key [--name <name> --resource-group <resource-group> ]  
help:  
help: Lists Primary and Secondary key of an existing Redis Cache  
help: rediscache list-keys [--name <name> --resource-group <resource-group>]  
help:  
help: Options:  
help: -h, --help output usage information  
help:  
help: Current Mode: arm (Azure Resource Management)

## Create a Redis Cache

To create a Redis Cache, use the following command:

azure rediscache create [--name <name> --resource-group <resource-group> --location <location> [options]]

For more information about this command, run the azure rediscache create -h command.

C:\>azure rediscache create -h  
help: Create a Redis Cache  
help:  
help: Usage: rediscache create [--name <name> --resource-group <resource-group> --location <location> [options]]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group  
help: -l, --location <location> Location to create cache.  
help: -z, --size <size> Size of the Redis Cache. Valid values: [C0, C1, C2, C3, C4, C5, C6]  
help: -x, --sku <sku> Redis SKU. Should be one of : [Basic, Standard]  
help: -m, --max-memory-policy <max-memory-policy> MaxMemoryPolicy property of the Redis Cache. Valid values: [AllKeysLRU, AllKeysRandom, NoEviction, VolatileLRU, VolatileRandom, VolatileTTL]  
help: -e, --enable-non-ssl-port EnableNonSslPort property of the Redis Cache. Add this flag if you want to enable the Non SSL Port for your cache  
help: -s, --subscription <id> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## Delete an existing Redis Cache

To delete a Redis Cache, use the following command:

azure rediscache delete [--name <name> --resource-group <resource-group> ]

For more information about this command, run the azure rediscache delete -h command.

C:\>azure rediscache delete -h  
help: Delete an existing Redis Cache  
help:  
help: Usage: rediscache delete [--name <name> --resource-group <resource-group> ]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group under which the cache exists  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## List all Redis Caches within your Subscription or Resource Group

To list all Redis Caches within your Subscription or Resource Group, use the following command:

azure rediscache list [options]

For more information about this command, run the azure rediscache list -h command.

C:\>azure rediscache list -h  
help: List all Redis Caches within your Subscription or Resource Group  
help:  
help: Usage: rediscache list [options]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -g, --resource-group <resource-group> Name of the Resource Group  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## Show properties of an existing Redis Cache

To show properties of an existing Redis Cache, use the following command:

azure rediscache show [--name <name> --resource-group <resource-group>]

For more information about this command, run the azure rediscache show -h command.

C:\>azure rediscache show -h  
help: Show properties of an existing Redis Cache  
help:  
help: Usage: rediscache show [--name <name> --resource-group <resource-group>]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## Change settings of an existing Redis Cache

To change settings of an existing Redis Cache, use the following command:

azure rediscache set [--name <name> --resource-group <resource-group> --max-memory-policy <max-memory-policy>]

For more information about this command, run the azure rediscache set -h command.

C:\>azure rediscache set -h  
help: Change settings of an existing Redis Cache  
help:  
help: Usage: rediscache set [--name <name> --resource-group <resource-group> --max-memory-policy <max-memory-policy>]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group  
help: -m, --max-memory-policy <max-memory-policy> Max Memory Policy of the Redis Cache. Valid values: [AllKeysLRU, AllKeysRandom, NoEviction, VolatileLRU, VolatileRandom, VolatileTTL]  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## Renew the authentication key for an existing Redis Cache

To renew the authentication key for an existing Redis Cache, use the following command:

azure rediscache renew-key [--name <name> --resource-group <resource-group> --key-type <key-type>]

Specify Primary or Secondary for key-type.

For more information about this command, run the azure rediscache renew-key -h command.

C:\>azure rediscache renew-key -h  
help: Renew the authentication key for an existing Redis Cache  
help:  
help: Usage: rediscache renew-key [--name <name> --resource-group <resource-group> ]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group under which cache exists  
help: -t, --key-type <key-type> type of key to renew  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)

## List Primary and Secondary keys of an existing Redis Cache

To list Primary and Secondary keys of an existing Redis Cache, use the following command:

azure rediscache list-keys [--name <name> --resource-group <resource-group>]

For more information about this command, run the azure rediscache list-keys -h command.

C:\>azure rediscache list-keys -h  
help: Lists Primary and Secondary key of an existing Redis Cache  
help:  
help: Usage: rediscache list-keys [--name <name> --resource-group <resource-group>]  
help:  
help: Options:  
help: -h, --help output usage information  
help: -v, --verbose use verbose output  
help: -vv more verbose with debug output  
help: --json use json output  
help: -n, --name <name> Name of the Redis Cache.  
help: -g, --resource-group <resource-group> Name of the Resource Group under which Cache exists  
help: -s, --subscription <subscription> the subscription identifier  
help:  
help: Current Mode: arm (Azure Resource Management)