Windows PowerShell Get-Help on Cmdlet 'Set-AzRedisCache'

PS:\>Get-HELP Set-AzRedisCache -Full

NAME

Set-AzRedisCache

SYNOPSIS

Modifies an Azure Cache for Redis.

SYNTAX

Set-AzRedisCache [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EnableNonSslPort <System.Nullable`1[System.Boolean]>] [-IdentityType <System.String>] [-MinimumTlsVersion <System.String>] -Name <System.String> [-RedisConfiguration <System.Collections.Hashtable>] [-RedisVersion <System.String>] [-ResourceGroupName <System.String>] [-ShardCount <System.Nullable`1[System.Int32]>] [-Size <System.String>] [-Sku {Basic | Standard | Premium}] [-Tag <System.Collections.Hashtable>] [-TenantSettings <System.Collections.Hashtable>] [-UpdateChannel <System.String>] [-UserAssignedIdentity <System.String[]>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-AzRedisCache cmdlet modifies an Azure Cache for Redis.

PARAMETERS

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EnableNonSslPort <System.Nullable`1[System.Boolean]>

Indicates whether the non-SSL port is enabled. The default value is $False (the non-SSL port is disabled).

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-IdentityType <System.String>

Specifies the type of identity used for the Azure Cache for Redis. Valid values: "SystemAssigned" or "UserAssigned" or "SystemAssignedUserAssigned" or "None"

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MinimumTlsVersion <System.String>

Specify the TLS version required by clients to connect to cache.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the Azure Cache for Redis to update.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-RedisConfiguration <System.Collections.Hashtable>

Specifies Redis configuration settings. The acceptable values for this parameter are: - rdb-backup-enabled. Specifies that Redis data persistence is enabled.

Premium tier only. - rdb-storage-connection-string. Specifies the connection string to the Storage account for Redis data persistence. Premium tier only. -

rdb-backup-frequency. Specifies the backup frequency for Redis data persistence. Premium tier only. - maxmemory-reserved. Configures the memory reserved for

non-cache processes. Standard and Premium tiers. - maxmemory-policy. Configures the eviction policy for the cache. All pricing tiers. - notify-keyspace-events.

Configures keyspace notifications. Standard and premium tiers. - hash-max-ziplist-entries. Configures memory optimization for small aggregate data types.

Standard and Premium tiers. - hash-max-ziplist-value. Configures memory optimization for small aggregate data types. Standard and Premium tiers. -

set-max-intset-entries. Configures memory optimization for small aggregate data types. Standard and Premium tiers. - zset-max-ziplist-entries. Configures memory

optimization for small aggregate data types. Standard and Premium tiers. - zset-max-ziplist-value. Configures memory

optimization for small aggregate data types.

Standard and Premium tiers. - databases. Configures the number of databases. This property can be configured only at cache creation. Standard and Premium tiers.

For more information, see Manage Azure Redis Cache with Azure PowerShellhttp://go.microsoft.com/fwlink/?LinkId=800051

(http://go.microsoft.com/fwlink/?LinkId=800051). - preferred-data-archive-auth-method Preferred auth method to communicate to storage account used for data

archive, specify SAS or ManagedIdentity, default value is SAS - preferred-data-persistence-auth-method Preferred auth method to communicate to storage account

used for data persistence, specify SAS or ManagedIdentity, default value is SAS

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-RedisVersion <System.String>

Redis version. This should be in the form 'major[.minor]' (only 'major' is required) or the value 'latest' which refers to the latest stable Redis version that is

available. Supported versions: 4.0, 6.0 (latest). Default value is 'latest'.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group that contains the Redis Cache.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ShardCount <System.Nullable`1[System.Int32]>

Specifies the number of shards to create on a Premium cluster cache.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Size <System.String>

Specifies the size of the Redis Cache. Valid values are: - P1

- P2

- P3

- P4

- P5

- C0

- C1

- C2

- C3

- C4

- C5

- C6

- 250MB

- 1GB

- 2.5GB

- 6GB

- 13GB

- 26GB

- 53GB

- 120GB

The default value is 1GB or C1.

Required? false
Position? named
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Sku <System.String>

Specifies the SKU of the Redis Cache to create. Valid values are: - Basic

- Standard

- Premium

The default value is Standard.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

A hash table which represents tags.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TenantSettings <System.Collections.Hashtable>

This parameter has been deprecated.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-UpdateChannel <System.String>

Optional: Specifies the update channel for the monthly Redis updates your Redis Cache will receive. Caches using 'Preview' update channel get latest Redis updates

at least 4 weeks ahead of 'Stable' channel caches. Default value is 'Stable'. Possible values include: 'Stable', 'Preview'

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-UserAssignedIdentity <System.String[]>

Specifies one or more comma seperated user identities to be associated with the Azure Cache for Redis. The user identity references will be ARM resource ids in the form: '/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/identities/{identityName}'

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

System.Collections.Hashtable

System.Nullable`1[[System.Boolean, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

System.Nullable`1[[System.Int32, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.RedisCache.Models.RedisCacheAttributesWithAccessKeys

NOTES

---------- Example 1: Modify Azure Cache for Redis ----------

Set-AzRedisCache -ResourceGroupName "MyGroup" -Name "MyCache" -RedisConfiguration @{"maxmemory-policy" = "allkeys-random"}

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
ResourceGroupName : mygroup
Id : /subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/myCache
Location : North Central US
Name : MyCache
Type : Microsoft.Cache/Redis
HostName : mycache.redis.cache.windows.net
Port : 6379
ProvisioningState : creating
SslPort : 6380
RedisConfiguration : {[maxmemory-policy, allkeys-random]}
EnableNonSslPort : False
RedisVersion : 2.8
Size : 250MB
Sku : Standard
Tag : {}
Zone : []

This command updates the maxmemory-policy for your Azure Cache fo Redis named MyCache .

Example 2: Modify Azure Cache for Redis - If you want to Disable RDB or AOF Data Persistence.

```
Set-AzRedisCache -Name "MyCache"  -RedisConfiguration @{"rdb-backup-enabled" = "false"}

PrimaryKey          : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
SecondaryKey        : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
ResourceGroupName   : MyGroup
Id                  : /subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCache
Location            : Central US
Name                : mycache
Type                : Microsoft.Cache/Redis
HostName            : mycache.redis.cache.windows.net
Port                : 6379
ProvisioningState   : Succeeded
SslPort             : 6380
RedisConfiguration  : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],
                      [maxfragmentationmemory-reserved, 300], [rdb-backup-enabled, false]...}
EnableNonSslPort    : False
RedisVersion        : 4.0.14
Size                : 6GB
Sku                 : Premium
Tag                 : {}
Zone                : []
```

This cmdlet disables RDB backup data persistence for Azure Cache for Redis. You can also disable AOF backup persistent cache.

Example 3: Modify Azure Cache for Redis - If you want to add data persistence after azure redis cache created.

```
Set-AzRedisCache -Name "MyCache" -RedisConfiguration @{"rdb-backup-enabled" = "true";
```

"rdb-storage-connection-string" =

"DefaultEndpointsProtocol=https;AccountName=mystorageaccount;AccountKey=pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=;EndpointSuffix=mySuffix"; "rdb-backup-frequency"
= "30"}

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
ResourceGroupName : MyGroup
Id : /subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCache
Location : Central US
Name : mycache
Type : Microsoft.Cache/Redis
HostName : mycache.redis.cache.windows.net
Port : 6379
ProvisioningState : Succeeded
SslPort : 6380
RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],
[maxfragmentationmemory-reserved, 300], [rdb-backup-enabled, true]....}
EnableNonSslPort : False
RedisVersion : 4.0.14
Size : 6GB
Sku : Premium
Tag : {}
Zone : []

This cmdlet enables rdb-backup persistence on an already existing cache. You can also enable aof-backup persistence.

Example 4: Modify Azure Cache for Redis - If you want to change rdb back up frequency.

```
Set-AzRedisCache -Name "MyCache" -RedisConfiguration @{"rdb-backup-frequency" = "15"}

PrimaryKey          : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
SecondaryKey        : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=
ResourceGroupName   : MyGroup
Id                  :
/subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCac
he
Location            : Central US
Name                : mycache
Type                : Microsoft.Cache/Redis
HostName            : mycache.redis.cache.windows.net
Port                : 6379
ProvisioningState   : Succeeded
SslPort             : 6380
RedisConfiguration  : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],
                      [maxfragmentationmemory-reserved, 300], [rdb-backup-enabled, true]....}
EnableNonSslPort    : False
RedisVersion        : 4.0.14
Size                : 6GB
Sku                 : Premium
Tag                 : {}
Zone                : []
```

Example 5: Modify Azure Cache for Redis - If you want to change AOF back up data persistence to RDB back up.

```
Set-AzRedisCache -Name "MyCache" -RedisConfiguration @{"aof-backup-enabled"= "false"; "rdb-backup-enabled" =
"true"; "rdb-storage-connection-string" =
"DefaultEndpointsProtocol=https;AccountName=mystorageaccount;AccountKey=pJ+jruGKPHDKsEC8kmoybobH3TZx2njB
```

R3ipEsquZFo=;EndpointSuffix=mySuffix"; "rdb-backup-frequency"

= "30"}

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

ResourceGroupName : MyGroup

Id :

/subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCac

he

Location : Central US

Name : mycache

Type : Microsoft.Cache/Redis

HostName : mycache.redis.cache.windows.net

Port : 6379

ProvisioningState : Succeeded

SslPort : 6380

RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],

[maxfragmentationmemory-reserved, 300], [rdb-backup-enabled, true]....}

EnableNonSslPort : False

RedisVersion : 4.0.14

Size : 6GB

Sku : Premium

Tag : {}

Zone : []

This cmdlet helps in changing persistence method.

Example 6: Scale an Azure Cache for Redis Instance - Update to different size.

Set-AzRedisCache -Name "MyCache" -Size "P2" -Sku "Premium"

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

ResourceGroupName : MyGroup

Id :

/subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCac

he

Location : Central US

Name : mycache

Type : Microsoft.Cache/Redis

HostName : mycache.redis.cache.windows.net

Port : 6379

ProvisioningState : Scaling

SslPort : 6380

RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],

[maxfragmentationmemory-reserved, 300]....}

EnableNonSslPort : False

RedisVersion : 4.0.14

Size : 6GB

Sku : Premium

Tag : {}

Zone : []

This command increases or decreases the memory size of your instance.

Example 7: Scale an Azure Cache for Redis Instance - Update to different tier.

Set-AzRedisCache -Name "MyCache" -Size "P1" -Sku "Premium"

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

ResourceGroupName : MyGroup

Id :

/subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCac

he

Location : Central US

Name : mycache

Type : Microsoft.Cache/Redis

HostName : mycache.redis.cache.windows.net

Port : 6379

ProvisioningState : Scaling

SslPort : 6380

RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],

[maxfragmentationmemory-reserved, 300]....}

EnableNonSslPort : False

RedisVersion : 4.0.14

Size : 1GB

Sku : Standard

Tag : {}

Zone : []

This command helps you change the tier of your cache. You can change from Basic to Standard, or Standard to Premium.

Example 8: Scale an Azure Cache for Redis Instance - Enable Redis Clustering.

Set-AzRedisCache -Name "MyCache" -ShardCount 1

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

ResourceGroupName : MyGroup

Id :

/subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCac

he

Location : Central US

Name : mycache

Type : Microsoft.Cache/Redis

HostName : mycache.redis.cache.windows.net

Port : 6379

ProvisioningState : Scaling

SslPort : 6380

RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],
[maxfragmentationmemory-reserved, 300]....}

EnableNonSslPort : False

RedisVersion : 4.0.14

Size : 6GB

Sku : Premium

ShardCount :

Tag : {}

Zone : []

This cmdlet helps you in enable clustering for your Azure Cache for Redis instance. For increasing the shard count, must enable clustering first.

Example 9: Scale an Azure Cache for Redis Instance - Use Redis Cluster to scale in/out.

Set-AzRedisCache -Name "MyCache" -ShardCount 2

PrimaryKey : pJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

SecondaryKey : sJ+jruGKPHDKsEC8kmoybobH3TZx2njBR3ipEsquZFo=

ResourceGroupName : MyGroup

Id : /subscriptions/a559b6fd-3a84-40bb-a450-b0db5ed37dfe/resourceGroups/mygroup/providers/Microsoft.Cache/Redis/MyCache

Location : Central US

Name : mycache

Type : Microsoft.Cache/Redis

HostName : mycache.redis.cache.windows.net

```
Port              : 6379
ProvisioningState  : Scaling
SslPort           : 6380
RedisConfiguration : {[maxmemory-policy, allkeys-random], [maxclients, 7500], [maxmemory-reserved, 200],
                     [maxfragmentationmemory-reserved, 300]....}
EnableNonSslPort   : False
RedisVersion       : 4.0.14
Size              : 6GB
Sku               : Premium
ShardCount        : 1
Tag               : {}
Zone              : []
```

This command increases or decreases the cluster size.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.rediscache/set-azrediscache

Get-AzRedisCache

New-AzRedisCache

Remove-AzRedisCache