



Windows PowerShell Get-Help on Cmdlet 'New-AzRedisEnterpriseCache'

PS: \>Get-HELP New-AzRedisEnterpriseCache -Full

NAME

New-AzRedisEnterpriseCache

SYNOPSIS

Creates a Redis Enterprise cache.

SYNTAX

```
New-AzRedisEnterpriseCache -ClusterName <String> -ResourceGroupName <String> [-SubscriptionId <String>]
-Location <String> -Sku <SkuName> [-Capacity <Int32>]
[-MinimumTlsVersion <TlsVersion>] [-Zone <String[]>] [-Tag <Hashtable>] [-Module <IModule[]>] [-ClientProtocol
<Protocol>] [-Port <Int32>] [-EvictionPolicy
<EvictionPolicy>] [-GroupNickname <String>] [-LinkedDatabase <ILinkedDatabase[]>] [-ClusteringPolicy
<ClusteringPolicy>] [-CustomerManagedKeyEncryptionKeyUrl
<String>] [-IdentityType <ManagedServiceIdentityType>] [-IdentityUserAssignedIdentity <Hashtable>]
[-KeyEncryptionKeyIdentityType <CmkIdentityType>]
[-KeyEncryptionKeyIdentityUserAssignedIdentityResourceId <String>] [-AofPersistenceEnabled]
[-AofPersistenceFrequency <AofFrequency>] [-RdbPersistenceEnabled]
[-RdbPersistenceFrequency <RdbFrequency>] [-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend
<SendAsyncStep[]>] [-HttpPipelinePrepend
```

<SendAsyncStep[]> [-NoWait] [-Proxy <Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzRedisEnterpriseCache -ClusterName <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location <String> -Sku <SkuName> [-Capacity <Int32>]

[-MinimumTlsVersion <TlsVersion>] [-Zone <String[]>] [-Tag <Hashtable>] [-CustomerManagedKeyEncryptionKeyUrl <String>] [-IdentityType <ManagedServiceIdentityType>]

[-IdentityUserAssignedIdentity <Hashtable>] [-KeyEncryptionKeyIdentityType <CmkIdentityType>] [-KeyEncryptionKeyIdentityUserAssignedIdentityResourceId <String>]

[-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] -NoDatabase [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Creates or updates an existing (overwrite/recreate, with potential downtime) cache cluster with an associated database.

PARAMETERS

-ClusterName <String>

The name of the Redis Enterprise cluster.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Location <String>

The geo-location where the resource lives.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Sku <SkuName>

The type of Redis Enterprise cluster to deploy.

Allowed values: Enterprise_E10, Enterprise_E20, Enterprise_E50, Enterprise_E100, EnterpriseFlash_F300, EnterpriseFlash_F700, EnterpriseFlash_F1500

Required? true
Position? named
Default value
Accept pipeline input? false

Accept wildcard characters? false

-Capacity <Int32>

The size of the Redis Enterprise cluster - defaults to 2 or 3 depending on SKU.

Allowed values are (2, 4, 6, ...) for Enterprise SKUs and (3, 9, 15, ...) for Flash SKUs.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-MinimumTlsVersion <TlsVersion>

The minimum TLS version for the cluster to support - default is 1.2

Allowed values: 1.0, 1.1, 1.2

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Zone <String[]>

The Availability Zones where this cluster will be deployed.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Tag <Hashtable>

Cluster resource tags.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Module <IModule[]>

Optional set of redis modules to enable in this database - modules can only be added at create time.
To construct, see NOTES section for MODULE properties and create a hash table.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ClientProtocol <Protocol>

Specifies whether redis clients can connect using TLS-encrypted or plaintext redis protocols - default is Encrypted
Allowed values: Encrypted, Plaintext

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-Port <Int32>

TCP port of the database endpoint - defaults to an available port
Specified at create time.

Required? false
Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-EvictionPolicy <EvictionPolicy>

Redis eviction policy - default is VolatileLRU

Allowed values: AllKeysLFU, AllKeysLRU, AllKeysRandom, VolatileLRU, VolatileLFU, VolatileTTL, VolatileRandom, NoEviction

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-GroupNickname <String>

Name for the group of linked database resources

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-LinkedDatabase <ILinkedDatabase[]>

List of database resources to link with this database

To construct, see NOTES section for GEOREPLICATIONLINKEDDATABASE properties and create a hash table.

To construct, see NOTES section for LINKEDDATABASE properties and create a hash table.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ClusteringPolicy <ClusteringPolicy>

Clustering policy - default is OSSCluster

Specified at create time.

Allowed values: EnterpriseCluster, OSSCluster

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CustomerManagedKeyEncryptionKeyUrl <String>

Key encryption key Url versioned only.

Ex: https://contosovault.vault.azure.net/keys/contosokek/562a4bb76b524a1493a6afe8e536ee78"

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityType <ManagedServiceIdentityType>

Type of managed service identity (where both SystemAssigned and UserAssigned types are allowed).

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityUserAssignedIdentity <Hashtable>

The set of user assigned identities associated with the resource.

The userAssignedIdentities dictionary keys will be ARM resource ids in the form:

/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identityName}.

The dictionary values can be empty objects ({} in requests.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-KeyEncryptionKeyIdentityType <CmkIdentityType>

Only userAssignedIdentity is supported in this API version; other types may be supported in the future

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-KeyEncryptionKeyIdentityUserAssignedIdentityResourceId <String>

User assigned identity to use for accessing key encryption key Url.

Ex: /subscriptions/<subscriptionId>/resourceGroups/<resourceGroup>/providers/Microsoft.ManagedIdentity/userAssignedIdentities/myId.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AofPersistenceEnabled [<SwitchParameter>]

[Preview] Sets whether AOF persistence is enabled.

After enabling AOF persistence, you will be unable to disable it.

Support for disabling AOF persistence after enabling will be added at a later date.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-AofPersistenceFrequency <AofFrequency>

[Preview] Sets the frequency at which data is written to disk if AOF persistence is enabled.

Allowed values: 1s, always

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-RdbPersistenceEnabled [<SwitchParameter>]

[Preview] Sets whether RDB persistence is enabled.

After enabling RDB persistence, you will be unable to disable it.

Support for disabling RDB persistence after enabling will be added at a later date.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-RdbPersistenceFrequency <RdbFrequency>

[Preview] Sets the frequency at which a snapshot of the database is created if RDB persistence is enabled.

Allowed values: 1h, 6h, 12h

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

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

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-NoDatabase [<SwitchParameter>]

Advanced - Do not automatically create a default database.

Warning: The cache will not be usable until you create a database.

Required? true
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required?	false
Position?	named
Default value	
Accept pipeline input?	false
Accept wildcard characters?	false

-Confirm [<SwitchParameter>]

Required?	false
Position?	named
Default value	
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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.RedisEnterpriseCache.Models.Api20230301Preview.ICluster

NOTES

To create the parameters described below, construct a hash table containing the appropriate properties. For information on hash tables, run Get-Help about_Hash_Tables.

LINKEDDATABASE <ILinkedDatabase[]>: List of database resources to link with this database To construct, see NOTES section for GEOREPLICATIONLINKEDDATABASE properties and create a hash table.

[Id <String>]: Resource ID of a database resource to link with this database.

MODULE <IModule[]>: Optional set of redis modules to enable in this database - modules can only be added at create time.

Name <String>: The name of the module, e.g. 'RedisBloom', 'RediSearch', 'RedisTimeSeries'

[Arg <String>]: Configuration options for the module, e.g. 'ERROR_RATE 0.01 INITIAL_SIZE 400'.

----- EXAMPLE 1 -----

```
PS C:\>New-AzRedisEnterpriseCache -Name "MyCache" -ResourceGroupName "MyGroup" -Location "West US" -Sku "Enterprise_E10"
```

----- EXAMPLE 2 -----

```
PS C:\>New-AzRedisEnterpriseCache -Name "MyCache" -ResourceGroupName "MyGroup" -Location "East US" -Sku "Enterprise_E20" -Capacity 4 -MinimumTlsVersion "1.2" -Zone
```

```
"1","2","3" -Tag @{"tag1" = "value1"} -Module "{name:RedisBloom, args:`ERROR_RATE 0.00 INITIAL_SIZE 400`"},"{name:RedisTimeSeries, args:`RETENTION_POLICY
```

```
20`"},"{name:RediSearch}" -ClientProtocol "Plaintext" -EvictionPolicy "NoEviction" -ClusteringPolicy "EnterpriseCluster" -AofPersistenceEnabled
```

-AofPersistenceFrequency "1s"

----- EXAMPLE 3 -----

```
PS C:\>New-AzRedisEnterpriseCache -Name "MyCache" -ResourceGroupName "MyGroup" -Location "East US" -Sku  
"EnterpriseFlash_F300" -NoDatabase
```

----- EXAMPLE 4 -----

```
PS C:\>New-AzRedisEnterpriseCache -Name "MyCache" -ResourceGroupName "MyGroup" -Location "West US" -Sku  
"Enterprise_E10" -ClientProtocol "Encrypted" -EvictionPolicy  
"NoEviction" -ClusteringPolicy "EnterpriseCluster" -GroupNickname "GroupNickname" -LinkedDatabase
```

```
'{id: "/subscriptions/6b9ac7d2-7f6d-4de4-962c-43fda44bc3f2/resourceGroups/MyGroup/providers/Microsoft.Cache/redisEnte  
rprise/MyCache/databases/default"}'
```

