



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

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

NAME

New-AzSqlElasticPool

SYNOPSIS

Creates an elastic database pool for a SQL Database.

SYNTAX

```
New-AzSqlElasticPool [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-ElasticPoolName]
<System.String> [-AsJob] -ComputeGeneration <System.String>
[-DatabaseVCoreMax <System.Double>] [-DatabaseVCoreMin <System.Double>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Edition
<System.String> [-HighAvailabilityReplicaCount <System.Int32>]
[-LicenseType <System.String>] [-MaintenanceConfigurationId <System.String>] [-PreferredEnclaveType
<System.String>] [-StorageMB <System.Int32>] [-Tags
<System.Collections.Hashtable>] -VCore <System.Int32> [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
New-AzSqlElasticPool [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-ElasticPoolName]
<System.String> [-AsJob] [-DatabaseDtuMax <System.Int32>]
[-DatabaseDtuMin <System.Int32>] [-DefaultProfile
```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Dtu <System.Int32>]
 [-Edition <System.String>] [-HighAvailabilityReplicaCount <System.Int32>] [-LicenseType <System.String>]
 [-MaintenanceConfigurationId <System.String>]
 [-PreferredEnclaveType <System.String>] [-StorageMB <System.Int32>] [-Tags <System.Collections.Hashtable>]
 [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-AzSqlElasticPool cmdlet creates an elastic database pool for an Azure SQL Database. Several parameters (-Dtu, -DatabaseDtuMin, and -DatabaseDtuMax) require the value being set is from the list of valid values for that parameter. For example, -DatabaseDtuMax for a Standard 100 eDTU pool can only be set to 10, 20, 50, or 100. For details about which values are valid, see the table for your specific size pool in elastic pools (<https://learn.microsoft.com/azure/sql-database/sql-database-elastic-pool>).

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ComputeGeneration <System.String>

The compute generation to assign.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseDtuMax <System.Int32>

Specifies the maximum number of Database Throughput Units (DTUs) that any single database in the pool can consume. The default values for the different editions

are as follows: - Basic. 5 DTUs

- Standard. 100 DTUs

- Premium. 125 DTUs

For details about which values are valid, see the table for your specific size pool in elastic pools

(<https://learn.microsoft.com/azure/sql-database/sql-database-elastic-pool>)

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseDtuMin <System.Int32>

Specifies the minimum number of DTUs that the elastic pool guarantees to all the databases in the pool. The default value is zero (0). For details about which

values are valid, see the table for your specific size pool in elastic pools

(<https://learn.microsoft.com/azure/sql-database/sql-database-elastic-pool>).

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseVCoreMax <System.Double>

The maximum VCore number any SqlAzure Database can consume in the pool.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-DatabaseVCoreMin <System.Double>

The minimum VCore number any SqlAzure Database can consume in the pool.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-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

-Dtu <System.Int32>

Specifies the total number of shared DTUs for the elastic pool. The default values for the different editions are as follows: - Basic. 100 DTUs - Standard. 100

DTUs - Premium. 125 DTUs For details about which values are valid, see the table for your specific size pool in elastic pools

(<https://learn.microsoft.com/azure/sql-database/sql-database-elastic-pool>).

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Edition <System.String>

Specifies the edition of the Azure SQL Database used for the elastic pool. The acceptable values for this parameter are: - None

- Basic
- Standard
- Premium
- DataWarehouse
- Free
- Stretch
- GeneralPurpose
- BusinessCritical

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ElasticPoolName <System.String>

Specifies the name of the elastic pool that this cmdlet creates.

Required?	true
Position?	2
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-HighAvailabilityReplicaCount <System.Int32>

The total number of high availability replicas associated with the elastic pool.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-LicenseType <System.String>

The license type for the Azure Sql database.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-MaintenanceConfigurationId <System.String>

The Maintenance configuration id for the SQL Elastic Pool.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False

Accept wildcard characters? false

-PreferredEnclaveType <System.String>

The preferred enclave type for the Azure SQL Elastic Pool. Possible values are Default and VBS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group to which this cmdlet assigns the elastic pool.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServerName <System.String>

Specifies the name of the server that hosts the elastic pool.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageMB <System.Int32>

Specifies the storage limit, in megabytes, for the elastic pool. If you do not specify this parameter, this cmdlet calculates a value that depends on the value of

(/azure/sql-database/sql-database-elastic-pool#edtu-and-storage-limits-for-elastic-pools)for possible values.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-Tags <System.Collections.Hashtable>

Specifies a dictionary of Key-value pairs in the form of a hash table that this cmdlet associates with the elastic pool. For example:

```
@{key0="value0";key1=$null;key2="value2"}
```

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-VCore <System.Int32>

The total shared number of Vcores for the Sql Azure Elastic Pool.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

-ZoneRedundant <System.Management.Automation.SwitchParameter>

The zone redundancy to associate with the Azure Sql Elastic Pool

Required?	false
Position?	named

Default value False
Accept pipeline input? False
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

OUTPUTS

Microsoft.Azure.Commands.Sql.ElasticPool.Model.AzureSqlElasticPoolModel

NOTES

----- Example 1: Create a DTU elastic pool -----

```
New-AzSqlElasticPool -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -ElasticPoolName  
"ElasticPool01" -Edition "Standard" -Dtu 400 -DatabaseDtuMin 10  
-DatabaseDtuMax 100
```

ResourceId :

/subscriptions/00000000-0000-0000-0000-000000000001/resourceGroups/resourcegroup01/providers/Microsoft.Sql/servers
/server01/elasticPools/elasticpool01

ResourceGroupName : resourcegroup01

ServerName : server01

ElasticPoolName : elasticpool01

Location : Central US

CreationDate : 8/26/2015 10:00:17 PM

State : Ready

Edition : Standard

Dtu : 400

DatabaseDtuMax : 100

DatabaseDtuMin : 10

StorageMB : 409600

Tags :

This command creates an elastic pool in the Standard service tier named ElasticPool01. The server named server01, assigned to an Azure resource group named

ResourceGroup01, hosts the elastic pool in. The command specifies DTU property values for the pool and the databases in the pool.

----- Example 2: Create a vCore elastic pool -----

```
New-AzSqlElasticPool -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -ElasticPoolName  
"ElasticPool01" -Edition "GeneralPurpose" -vCore 2  
-ComputeGeneration Gen5
```

ResourceId :

/subscriptions/00000000-0000-0000-0000-000000000001/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/servers/server01/elasticPools/ElasticPool01

ResourceGroupName : ResourceGroup01

ServerName : Server01

ElasticPoolName : ElasticPool01

Location : Central US

CreationDate : 8/29/2019 2:16:40 AM

State : Ready

Edition : GeneralPurpose

SkuName : GP_Gen5

Dtu : 2

DatabaseDtuMax : 2

DatabaseDtuMin : 0

Capacity : 2

DatabaseCapacityMin : 0

DatabaseCapacityMax : 2

Family : Gen5

MaxSizeBytes : 34359738368

StorageMB : 32768

Tags :

This command creates an elastic pool in the GeneralPurpose service tier named ElasticPool01. The server named server01, assigned to an Azure resource group named

ResourceGroup01, hosts the elastic pool in. The command specifies the vCore property values for the pool and the databases in the pool.

----- Example 3 -----

```
New-AzSqlElasticPool -ComputeGeneration Gen5 -Edition 'GeneralPurpose' -ElasticPoolName 'ElasticPool01'
-ResourceGroupName 'ResourceGroup01' -ServerName 'Server01'
-StorageMB 2097152 -VCore 2
```

Example 4: Creates an elastic pool with preferred enclave type as VBS

```
New-AzSqlElasticPool -ComputeGeneration Gen5 -Edition 'GeneralPurpose' -ElasticPoolName 'ElasticPool01'
-ResourceGroupName 'ResourceGroup01' -ServerName 'Server01'
-VCore 2 -PreferredEnclaveType 'VBS'
```

ResourceId :

/subscriptions/00000000-0000-0000-0000-000000000001/resourceGroups/ResourceGroup01/providers/Microsoft.Sql/servers/server01/elasticPools/ElasticPool01

ResourceGroupName : ResourceGroup01

ServerName : Server01

ElasticPoolName : ElasticPool01

Location : Central US

CreationDate : 8/29/2019 2:16:40 AM

State : Ready

Edition : GeneralPurpose
SkuName : GP_Gen5
Dtu : 2
DatabaseDtuMax : 2
DatabaseDtuMin : 0
Capacity : 2
DatabaseCapacityMin : 0
DatabaseCapacityMax : 2
Family : Gen5
MaxSizeBytes : 34359738368
StorageMB : 32768
PreferredEnclaveType: VBS
Tags :

This command creates an elastic pool configured with VBS enclave

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.sql/new-azsqlelasticpool>

Get-AzSqlElasticPool

Get-AzSqlElasticPoolActivity

Get-AzSqlElasticPoolDatabase

Remove-AzSqlElasticPool

Set-AzSqlElasticPool

SQL Database Documentation <https://learn.microsoft.com/azure/sql-database/>