



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

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

NAME

New-AzSqlDatabase

SYNOPSIS

Creates a database or an elastic database.

SYNTAX

```
New-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-AsJob] [-AssignIdentity]
[-AutoPauseDelayInMinutes <System.Int32>]
[-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-CatalogCollation <System.String>] [-CollationName
<System.String>] -ComputeGeneration <System.String>
[-ComputeModel <System.String>] -DatabaseName <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Edition
<System.String> [-EnableLedger] [-EncryptionProtector
<System.String>] [-EncryptionProtectorAutoRotation] [-FederatedClientId <System.Nullable`1[System.Guid]>] [-Force]
[-FreeLimitExhaustionBehavior <System.String>]
[-HighAvailabilityReplicaCount <System.Int32>] [-KeyList <System.String[]>] [-LicenseType <System.String>]
[-MaintenanceConfigurationId <System.String>]
[-MaxSizeBytes <System.Int64>] [-MinimumCapacity <System.Double>] [-PreferredEnclaveType <System.String>]
```

```

[-ReadScale {Disabled | Enabled}] [-SampleName
    {AdventureWorksLT}] [-SecondaryType {Named | Geo}] [-Tags <System.Collections.Hashtable>] [-UseFreeLimit]
[-UserAssignedIdentityId <System.String[]>] -VCore
    <System.Int32> [-ZoneRedundant] [-Confirm] [-WhatIf] [<CommonParameters>]

New-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [-AsJob] [-AssignIdentity]
[-AutoPauseDelayInMinutes <System.Int32>]
    [-BackupStorageRedundancy {Local | Zone | Geo | GeoZone}] [-CatalogCollation <System.String>] [-CollationName
<System.String>] [-DatabaseName <System.String>]
    [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-Edition <System.String>] [-ElasticPoolName
    <System.String>] [-EnableLedger] [-EncryptionProtector <System.String>] [-EncryptionProtectorAutoRotation]
[-FederatedClientId <System.Nullable`1[System.Guid]>]
    [-Force] [-FreeLimitExhaustionBehavior <System.String>] [-HighAvailabilityReplicaCount <System.Int32>] [-KeyList
<System.String[]>] [-LicenseType <System.String>]
    [-MaintenanceConfigurationId <System.String>] [-MaxSizeBytes <System.Int64>] [-MinimumCapacity <System.Double>]
[-PreferredEnclaveType <System.String>] [-ReadScale
    {Disabled | Enabled}] [-RequestedServiceObjectiveName <System.String>] [-SampleName {AdventureWorksLT}]
[-SecondaryType {Named | Geo}] [-Tags
    <System.Collections.Hashtable>] [-UseFreeLimit] [-UserAssignedIdentityId <System.String[]>] [-ZoneRedundant]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

The New-AzSqlDatabase cmdlet creates an Azure SQL database. You can also create an elastic database by setting the ElasticPoolName parameter to an existing 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

-AssignIdentity <System.Management.Automation.SwitchParameter>

Generate and assign a Microsoft Entra identity for this database for use with key management services like Azure KeyVault.

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

-AutoPauseDelayInMinutes <System.Int32>

The auto pause delay in minutes for database(serverless only), -1 to opt out

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

-BackupStorageRedundancy <System.String>

The Backup storage redundancy used to store backups for the SQL Database. Options are: Local, Zone and Geo.

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

-CatalogCollation <System.String>

Specifies the name of the SQL database catalog collation.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CollationName <System.String>

Specifies the name of the SQL database collation.

Required? false

Position? named

Default value None

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

-ComputeModel <System.String>

The compute model for Azure Sql database. Serverless or Provisioned

Required? false

Position? named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-DatabaseName <System.String>

Specifies the name of the database.

Required? true
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

-Edition <System.String>

Specifies the edition to assign to the database. 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 in which to put the database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EnableLedger <System.Management.Automation.SwitchParameter>

Creates a ledger database, in which the integrity of all data is protected by the ledger feature. All tables in the ledger database must be ledger tables. Note:

the value of this property cannot be changed after the database has been created.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-EncryptionProtector <System.String>

The encryption protector key for SQL Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-EncryptionProtectorAutoRotation <System.Management.Automation.SwitchParameter>

The AKV Key Auto Rotation status

Required? false

Position? named

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FederatedClientId <System.Nullable`1[System.Guid]>

The federated client id for the SQL Database. It is used for cross tenant CMK scenario.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Force <System.Management.Automation.SwitchParameter>

Skip confirmation message for performing the action

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-FreeLimitExhaustionBehavior <System.String>

Exhaustion behavior of free limit database.

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

-HighAvailabilityReplicaCount <System.Int32>

The number of readonly secondary replicas associated with the database to which readonly application intent connections may be routed. This property is only settable for Hyperscale edition databases.

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

-KeyList <System.String[]>

The list of AKV keys for the SQL Database.

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. Possible values are: - BasePrice - Azure Hybrid Benefit (AHB) discounted pricing for existing SQL Server license

owners is applied. Database price will be discounted for existing SQL Server license owners.

- LicenseIncluded - Azure Hybrid Benefit (AHB) discount pricing for existing SQL Server license owners is not applied.

Database price will include a new SQL
Server license costs.

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 Database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MaxSizeBytes <System.Int64>

Specifies the maximum size of the database in bytes.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-MinimumCapacity <System.Double>

The Minimal capacity that database will always have allocated, if not paused. For serverless Azure Sql databases only.

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 database. Possible values are Default and VBS.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ReadScale <Microsoft.Azure.Commands.Sql.Database.Model.DatabaseReadScale>

If enabled, connections that have application intent set to readonly in their connection string may be routed to a readonly secondary replica. This property is only settable for Premium and Business Critical databases.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-RequestedServiceObjectiveName <System.String>

Specifies the name of the service objective to assign to the database.

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 the server is assigned.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-SampleName <System.String>

The name of the sample schema to apply when creating this database.

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

-SecondaryType <System.String>

The secondary type of the database if it is a secondary. Valid values are Geo and Named.

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

-ServerName <System.String>

Specifies the name of the server that hosts the database.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
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 new database.

For example:

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

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

-UseFreeLimit <System.Management.Automation.SwitchParameter>

Use free limit on this database.

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

-UserAssignedIdentityId <System.String[]>

The list of user assigned identity for the SQL Database.

Required?	false
Position?	named

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-VCore <System.Int32>

The Vcore number for the Azure Sql database

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 Database

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.Database.Model.AzureSqlDatabaseModel

NOTES

----- Example 1: Create a database on a specified server -----

```
New-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database01"
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database01
Location : Central US
DatabaseId : a1e6bd1a-735a-4d48-8b98-afead5ef1218
Edition : Standard
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 268435456000
Status : Online
CreationDate : 7/3/2015 7:33:37 AM
CurrentServiceObjectiveId : f1173c43-91bd-4aaa-973c-54e79e15235b
CurrentServiceObjectiveName : S0
RequestedServiceObjectiveId : f1173c43-91bd-4aaa-973c-54e79e15235b
RequestedServiceObjectiveName :
ElasticPoolName :
EarliestRestoreDate :
LicenseType :
Tags :
EnableLedger : False

This command creates a database named Database01 on server Server01.

- Example 2: Create an elastic database on a specified server -

```
New-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName  
"Database02" -ElasticPoolName "ElasticPool01"
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database02
Location : Central US

DatabaseId : 7bd9d561-42a7-484e-bf05-62ddef8015ab
Edition : Standard
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 268435456000
Status : Online
CreationDate : 8/26/2015 10:04:29 PM
CurrentServiceObjectiveId : d1737d22-a8ea-4de7-9bd0-33395d2a7419
CurrentServiceObjectiveName : ElasticPool
RequestedServiceObjectiveId : d1737d22-a8ea-4de7-9bd0-33395d2a7419
RequestedServiceObjectiveName :
ElasticPoolName : ElasticPool01
EarliestRestoreDate :
LicenseType :
Tags :
EnableLedger : False

This command creates a database named Database02 in the elastic pool named ElasticPool01 on server Server01.

-- Example 3: Create an Vcore database on a specified server --

```
New-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName  
"Database03" -Edition "GeneralPurpose" -Vcore 2 -ComputeGeneration "Gen4"
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database03
Location : Central US
DatabaseId : 34d9d561-42a7-484e-bf05-62ddef8000ab
Edition : GeneralPurpose
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :

MaxSizeBytes : 268435456000
Status : Online
CreationDate : 8/26/2015 10:04:29 PM
CurrentServiceObjectiveName : GP_Gen4_2
RequestedServiceObjectiveName :
ElasticPoolName :
EarliestRestoreDate :
LicenseType : LicenseIncluded
Tags :
EnableLedger : False

This command creates a Vcore database named Database03 on server Server01.

Example 4: Create an Serverless database on the specified server

```
New-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName  
"Database04" -Edition "GeneralPurpose" -Vcore 2 -ComputeGeneration "Gen5"  
-ComputeModel Serverless
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database04
Location : Central US
DatabaseId : ef5a9698-012c-4def-8d94-7f6bfb7b4f04
Edition : GeneralPurpose
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 34359738368
Status : Online
CreationDate : 4/12/2019 11:20:29 PM
CurrentServiceObjectiveName : GP_S_Gen5_2
RequestedServiceObjectiveName : GP_S_Gen5_2

ElasticPoolName :
EarliestRestoreDate : 4/12/2019 11:50:29 PM
Tags :
CreateMode :
ReadScale : Disabled
ZoneRedundant : False
Capacity : 2
Family : Gen5
SkuName : GP_S_Gen5
LicenseType : LicenseIncluded
AutoPauseDelayInMinutes : 360
EnableLedger : False
MinimumCapacity : 0.5

This command creates a Serverless database named Database04 on server Server01.

Example 5: Create a database configured with preferred enclave type as VBS

```
New-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -DatabaseName "Database01" -ServerName  
"Server01" -Edition "GeneralPurpose" -Vcore 2 -ComputeGeneration "Gen5"  
-PreferredEnclaveType "VBS"
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database01
Location : Central US
DatabaseId : 34d9d561-42a7-484e-bf05-62ddef8000ab
Edition : GeneralPurpose
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 268435456000
Status : Online

CreationDate : 8/26/2015 10:04:29 PM

CurrentServiceObjectiveName : GP_Gen5_2

RequestedServiceObjectiveName :

ElasticPoolName :

EarliestRestoreDate :

LicenseType : LicenseIncluded

Tags :

EnableLedger : False

PreferredEnclaveType : VBS

This command creates a database configured with VBS enclave

RELATED LINKS

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

Get-AzSqlDatabase

New-AzSqlElasticPool

New-AzSqlServer

Remove-AzSqlDatabase

Resume-AzSqlDatabase

Set-AzSqlDatabase

Suspend-AzSqlDatabase

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