



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

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

NAME

New-AzSqlDatabaseSecondary

SYNOPSIS

Creates a secondary database for an existing database and starts data replication.

SYNTAX

```
New-AzSqlDatabaseSecondary [-ResourceGroupName] <System.String> [-ServerName] <System.String>
[-DatabaseName] <System.String> [-AllowConnections {No | All}] [-AsJob]
[-AssignIdentity] [-AutoPauseDelayInMinutes <System.Int32>] [-BackupStorageRedundancy {Local | Zone | Geo |
GeoZone}] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionProtector
<System.String>] [-EncryptionProtectorAutoRotation]
[-FederatedClientId <System.Nullable`1[System.Guid]>] [-HighAvailabilityReplicaCount <System.Int32>] [-KeyList
<System.String[]>] [-LicenseType <System.String>]
[-MinimumCapacity <System.Double>] [-PartnerDatabaseName <System.String>] -PartnerResourceGroupName
<System.String> -PartnerServerName <System.String>
-SecondaryComputeGeneration <System.String> [-SecondaryComputeModel <System.String>] [-SecondaryType
{Named | Geo | Standby}] -SecondaryVCore <System.Int32> [-Tags
```

```

<System.Collections.Hashtable>] [-UserAssignedIdentityId <System.String[]>] [-ZoneRedundant] [-Confirm] [-WhatIf]
[<CommonParameters>]

New-AzSqlDatabaseSecondary [-ResourceGroupName] <System.String> [-ServerName] <System.String>
[-DatabaseName] <System.String> [-AllowConnections {No | All}] [-AsJob]
[-AssignIdentity] [-AutoPauseDelayInMinutes <System.Int32>] [-BackupStorageRedundancy {Local | Zone | Geo |
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<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-EncryptionProtector
<System.String>] [-EncryptionProtectorAutoRotation]
[-FederatedClientId <System.Nullable`1[System.Guid]>] [-HighAvailabilityReplicaCount <System.Int32>] [-KeyList
<System.String[]>] [-LicenseType <System.String>]
[-MinimumCapacity <System.Double>] [-PartnerDatabaseName <System.String>] -PartnerResourceGroupName
<System.String> -PartnerServerName <System.String>
[-SecondaryElasticPoolName <System.String>] [-SecondaryServiceObjectiveName <System.String>] [-SecondaryType
{Named | Geo | Standby}] [-Tags
<System.Collections.Hashtable>] [-UserAssignedIdentityId <System.String[]>] [-ZoneRedundant] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The New-AzSqlDatabaseSecondary cmdlet replaces the Start-AzSqlDatabaseCopy cmdlet when used for setting up geo-replication for a database. It returns the geo-replication link object from the primary to the secondary database.

PARAMETERS

-AllowConnections <Microsoft.Azure.Commands.Sql.Replication.Model.AllowConnections>

Specifies the read intent of the secondary Azure SQL Database. The acceptable values for this parameter are: - No

- All

Required? false

Position? named

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

-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

-DatabaseName <System.String>

Specifies the name of the database to act as primary.

Required? true
Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
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

-EncryptionProtector <System.String>

The encryption protector key for SQL Database copy.

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

-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 copy.

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

-MinimumCapacity <System.Double>

The Minimal capacity that the secondary 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

-PartnerDatabaseName <System.String>

The name of the secondary database to create.

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

Accept wildcard characters? false

-PartnerResourceGroupName <System.String>

Specifies the name of the Azure Resource Group to which this cmdlet assigns the secondary database.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-PartnerServerName <System.String>

Specifies the name of the Azure SQL database server to act as secondary.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the Azure Resource Group to which this cmdlet assigns the primary database.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SecondaryComputeGeneration <System.String>

The compute generation of the Azure Sql Database secondary.

Required? true

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

-SecondaryComputeModel <System.String>

The compute model for Azure Sql database secondary. Serverless or Provisioned

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

-SecondaryElasticPoolName <System.String>

Specifies the name of the elastic pool in which to put the secondary database.

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

-SecondaryServiceObjectiveName <System.String>

Specifies the name of the service objective to assign to the secondary 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

-SecondaryVCore <System.Int32>

The Vcore numbers of the Azure Sql Database secondary.

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

-ServerName <System.String>

Specifies the name of the SQL Server of the primary SQL Database.

Required?	true
Position?	1
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-Tags <System.Collections.Hashtable>

Specifies the Key-value pairs in the form of a hash table to associate with the SQL Database replication link. For example:

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

Required?	false
Position?	named

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

-UserAssignedIdentityId <System.String[]>

The list of user assigned identity for the SQL Database copy.

Required? false
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. This property is only settable for Hyperscale edition databases.

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

INPUTS

System.String

OUTPUTS

Microsoft.Azure.Commands.Sql.Replication.Model.AzureReplicationLinkModel

NOTES

----- Example 1: Establish Active Geo-Replication -----

```
$database = Get-AzSqlDatabase -DatabaseName $databasename -ResourceGroupName $primaryresourcegroupname  
-ServerName $primaryservername
```

```
$database | New-AzSqlDatabaseSecondary -PartnerResourceGroupName $secondaryresourcegroupname  
-PartnerServerName $secondaryservername -AllowConnections "All"
```

Example 2: Establish Active Geo-Replication and specify the partner database name to be different than the source database name

```
$database = Get-AzSqlDatabase -DatabaseName $databasename -ResourceGroupName $primaryresourcegroupname  
-ServerName $primaryservername  
$database | New-AzSqlDatabaseSecondary -PartnerResourceGroupName $secondaryresourcegroupname  
-PartnerServerName $secondaryservername -PartnerDatabaseName  
$secondarydatabasename -AllowConnections "All"
```

RELATED LINKS

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

[Remove-AzSqlDatabaseSecondary](#)

[Set-AzSqlDatabaseSecondary](#)

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