



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

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

NAME

Get-AzSqlDatabase

SYNOPSIS

Gets one or more databases.

SYNTAX

```
Get-AzSqlDatabase [-ResourceGroupName] <System.String> [-ServerName] <System.String> [[-DatabaseName]
<System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ExpandKeyList]
[-KeysFilter <System.String>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

The Get-AzSqlDatabase cmdlet gets one or more Azure SQL databases from an Azure SQL Database Server. This cmdlet is also supported by the SQL Server Stretch Database service on Azure.

PARAMETERS

-DatabaseName <System.String>

Specifies the name of the database to retrieve.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

-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

-ExpandKeyList <System.Management.Automation.SwitchParameter>

Flag to be used to view all the AKV keys in a database.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-KeysFilter <System.String>

Timestamp filter to Get AKV keys

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 to which the database server is assigned.

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 to which the database is assigned.

Required? true
Position? 1
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

OUTPUTS

Microsoft.Azure.Commands.Sql.Database.Model.AzureSqlDatabaseModel

NOTES

----- Example 1: Get all databases on a server -----

Get-AzSqlDatabase -ResourceGroupName "resourcegroup01" -ServerName "server01"

ResourceGroupName : resourcegroup01
ServerName : server01
DatabaseName : master
Location : Central US
DatabaseId : a2a7f2db-7526-4d86-a7b2-36276ee10dc6
Edition : None
CollationName : SQL_Latin1_General_CP1_CI_AS
CatalogCollation :
MaxSizeBytes : 5368709120
Status : Online
CreationDate : 7/3/2015 7:32:44 AM
CurrentServiceObjectiveId : c99ac918-dbea-463f-a475-16ec020fdc12
CurrentServiceObjectiveName : System1
RequestedServiceObjectiveId : c99ac918-dbea-463f-a475-16ec020fdc12
RequestedServiceObjectiveName :
ElasticPoolName :
EarliestRestoreDate :
Tags :
CurrentBackupStorageRedundancy : Geo
RequestedBackupStorageRedundancy : Geo

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 :
Tags :
CurrentBackupStorageRedundancy : Geo
RequestedBackupStorageRedundancy : Geo

This command gets all databases on the server named server01.

----- Example 2: Get a database by name on a server -----

Get-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database02"

ResourceGroupName : resourcegroup01
ServerName : server01
DatabaseName : database02
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 :

Tags :

CurrentBackupStorageRedundancy : Geo

RequestedBackupStorageRedundancy : Geo

This command gets a database named Database02 from a server named Server01.

--- Example 3: Get all databases on a server using filtering ---

```
Get-AzSqlDatabase -ResourceGroupName "resourcegroup01" -ServerName "server01" -DatabaseName "database*"
```

ResourceGroupName : resourcegroup01

ServerName : server01

DatabaseName : database01

Location : Central US

Databaseld : a2a7f2db-7526-4d86-a7b2-36276ee10dc6

Edition : None

CollationName : SQL_Latin1_General_CP1_CI_AS

CatalogCollation :

MaxSizeBytes : 5368709120

Status : Online

CreationDate : 7/3/2015 7:32:44 AM

CurrentServiceObjectiveId : c99ac918-dbea-463f-a475-16ec020fdc12

CurrentServiceObjectiveName : System1

RequestedServiceObjectiveId : c99ac918-dbea-463f-a475-16ec020fdc12

RequestedServiceObjectiveName :

ElasticPoolName :

EarliestRestoreDate :

Tags :

CurrentBackupStorageRedundancy : Geo

RequestedBackupStorageRedundancy : Geo

ResourceGroupName : resourcegroup01

ServerName : server01
DatabaseName : database02
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 :
Tags :
CurrentBackupStorageRedundancy : Geo
RequestedBackupStorageRedundancy : Geo

This command gets all databases on the server named server01 that start with "database".

Example 4: Get a database with TDE AKV keys on a server using expand keys parameter.

```
Get-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database02"  
-ExpandKeyList
```

ResourceGroupName : resourcegroup01
ServerName : server01
DatabaseName : database02
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 :

Tags :

CurrentBackupStorageRedundancy : Geo

RequestedBackupStorageRedundancy : Geo

Identity : Microsoft.Azure.Management.Sql.Models.DatabaseIdentity

EncryptionProtector : https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901

Keys : {[https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901,
Microsoft.Azure.Management.Sql.Models.DatabaseKey],
[https://contoso.vault.azure.net/keys/contosokey2/09876543210987654321098765432109,
Microsoft.Azure.Management.Sql.Models.DatabaseKey]}

FederatedClientId :

This command gets all the TDE AKV keys configured on the database.

Example 5: Get a database with TDE AKV keys on a server using expand keys and filter by date

```
Get-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database02"  
-ExpandKeyList -KeysFilter "1/13/2022"
```

ResourceGroupName : resourcegroup01

ServerName : server01

DatabaseName : database02

Location : Central US

Databaseld : 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 :

Tags :

CurrentBackupStorageRedundancy : Geo

RequestedBackupStorageRedundancy : Geo

Identity : Microsoft.Azure.Management.Sql.Models.DatabaseIdentity

EncryptionProtector : https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901

Keys : {[https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901,
Microsoft.Azure.Management.Sql.Models.DatabaseKey],
[https://contoso.vault.azure.net/keys/contosokey2/09876543210987654321098765432109,
Microsoft.Azure.Management.Sql.Models.DatabaseKey]}

FederatedClientId :

This command gets a database configured with TDE CMK keys

Example 6: Get a database with TDE AKV keys on a server using expand keys and filter as 'current'

```
Get-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database02"  
-ExpandKeyList -KeysFilter "current"
```

ResourceGroupName : resourcegroup01
ServerName : server01
DatabaseName : database02
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 :
Tags :
CurrentBackupStorageRedundancy : Geo
RequestedBackupStorageRedundancy : Geo
Identity : Microsoft.Azure.Management.Sql.Models.DatabaseIdentity
EncryptionProtector : https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901
Keys :
FederatedClientId :

This command gets a database configured with TDE CMK keys with filter as 'current'

Example 7: Get a database configured with preferred enclave type as VBS

```
Get-AzSqlDatabase -ResourceGroupName "ResourceGroup01" -ServerName "Server01" -DatabaseName "Database02"
```

ResourceGroupName : ResourceGroup01
ServerName : Server01
DatabaseName : Database02
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 gets a database configured with VBS enclave

RELATED LINKS

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

New-AzSqlDatabase

Remove-AzSqlDatabase

Resume-AzSqlDatabase

Set-AzSqlDatabase

Suspend-AzSqlDatabase

