



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

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

NAME

Get-AzSqlServer

SYNOPSIS

Returns information about SQL Database servers.

SYNTAX

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

DESCRIPTION

The Get-AzSqlServer cmdlet returns information about one or more Azure SQL Database servers. Specify the name of a server to see information for only that server.

PARAMETERS

-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

-ExpandActiveDirectoryAdministrator <System.Management.Automation.SwitchParameter>

Expand Active Directory Administrator Information on the server.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group to which servers are assigned.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

-ServerName <System.String>

Specifies the name of the server that this cmdlet gets.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? true

-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

NOTES

Example 1: Get all instances of SQL Server assigned to a resource group

```
Get-AzSqlServer -ResourceGroupName "ResourceGroup01"
```

```
ResourceGroupName      : resourcegroup01
ServerName              : server01
Location                : Central US
SqlAdministratorLogin   : adminLogin
SqlAdministratorPassword :
ServerVersion           : 12.0
Tags                    :
Identity                :
FullyQualifiedDomainName : server01.database.windows.net
```

```
ResourceGroupName      : resourcegroup01
ServerName              : server02
Location                : West US
SqlAdministratorLogin   : adminLogin
SqlAdministratorPassword :
ServerVersion           : 12.0
Tags                    :
Identity                :
FullyQualifiedDomainName : server02.database.windows.net
```

This command gets information about all the Azure SQL Database servers assigned to the resource group ResourceGroup01.

Example 2: Get information about an Azure SQL Database server

```
Get-AzSqlServer -ResourceGroupName "ResourceGroup01" -ServerName "Server01"
```

```
ResourceGroupName      : resourcegroup01
ServerName              : server01
Location                : Central US
SqlAdministratorLogin   : adminLogin
SqlAdministratorPassword :
ServerVersion           : 12.0
Tags                    :
Identity                :
FullyQualifiedDomainName : server01.database.windows.net
```

This command gets information about the Azure SQL Database server named Server01.

Example 3: Get all instances of SQL Server in the subscription

```
Get-AzResourceGroup | Get-AzSqlServer
```

```
ResourceGroupName      : resourcegroup01
ServerName              : server01
Location                : Central US
SqlAdministratorLogin   : adminLogin
SqlAdministratorPassword :
ServerVersion           : 12.0
Tags                    :
Identity                :
```

FullyQualifiedDomainName : server01.database.windows.net

ResourceGroupName : resourcegroup01

ServerName : server02

Location : West US

SqlAdministratorLogin : adminLogin

SqlAdministratorPassword :

ServerVersion : 12.0

Tags :

Identity :

FullyQualifiedDomainName : server02.database.windows.net

ResourceGroupName : resourcegroup02

ServerName : server03

Location : East US

SqlAdministratorLogin : adminLogin

SqlAdministratorPassword :

ServerVersion : 12.0

Tags :

Identity :

FullyQualifiedDomainName : server03.database.windows.net

This command gets information about all the Azure SQL Database servers in the current subscription.

Example 4: Get all instances of SQL Server assigned to a resource group using filtering

```
Get-AzSqlServer -ResourceGroupName "ResourceGroup01" -ServerName "server*"
```

ResourceGroupName : resourcegroup01

ServerName : server01

Location : Central US

SqlAdministratorLogin : adminLogin

SqlAdministratorPassword :
ServerVersion : 12.0
Tags :
Identity :
FullyQualifiedDomainName : server01.database.windows.net

ResourceGroupName : resourcegroup01
ServerName : server02
Location : West US
SqlAdministratorLogin : adminLogin
SqlAdministratorPassword :
ServerVersion : 12.0
Tags :
Identity :
FullyQualifiedDomainName : server02.database.windows.net

This command gets information about all the Azure SQL Database servers assigned to the resource group ResourceGroup01 that start with "server".

Example 5: Get all instances of SQL Server assigned to a resource group with external administrator information

```
$val = Get-AzSqlServer -ResourceGroupName "ResourceGroup01" -ExpandActiveDirectoryAdministrator
```

ResourceGroupName : resourcegroup01
ServerName : server01
Location : Central US
SqlAdministratorLogin : adminLogin
SqlAdministratorPassword :
ServerVersion : 12.0
Tags :
Identity :
FullyQualifiedDomainName : server01.database.windows.net

Administrators : Microsoft.Azure.Management.Sql.Models.ServerExternalAdministrator

ResourceGroupName : resourcegroup01

ServerName : server02

Location : West US

SqlAdministratorLogin : adminLogin

SqlAdministratorPassword :

ServerVersion : 12.0

Tags :

Identity :

FullyQualifiedDomainName : server02.database.windows.net

Administrators : Microsoft.Azure.Management.Sql.Models.ServerExternalAdministrator

\$val.Administrators

AdministratorType : ActiveDirectory

PrincipalType : Group

Login : Dummy

Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538

TenantId : f553829b-6d84-481b-86a9-42db57c1dc73

AzureADOnlyAuthentication : True

AdministratorType : ActiveDirectory

PrincipalType : Group

Login : Dummy2

Sid : df7667b8-f9fd-4029-a0e3-b43c75ce9538

TenantId : f553829b-6d84-481b-86a9-42db57c1dc73

AzureADOnlyAuthentication : True

This command gets information about all the Azure SQL Database servers assigned to the resource group ResourceGroup01.


```

$val = Get-AzSqlServer -ResourceGroupName "ResourceGroup01" -ServerName "Server01"
-ExpandActiveDirectoryAdministrator

ResourceGroupName      : resourcegroup01
ServerName              : server01
Location                : Central US
SqlAdministratorLogin   : adminLogin
SqlAdministratorPassword :
ServerVersion           : 12.0
Tags                    :
Identity                :
FullyQualifiedDomainName : server01.database.windows.net
Administrators           : Microsoft.Azure.Management.Sql.Models.ServerExternalAdministrator

$val.Administrators

AdministratorType       : ActiveDirectory
PrincipalType           : Group
Login                   : Dummy
Sid                     : df7667b8-f9fd-4029-a0e3-b43c75ce9538
TenantId                : f553829b-6d84-481b-86a9-42db57c1dc73
AzureADOnlyAuthentication : True

```

This command gets information about the Azure SQL Database server named Server01.

RELATED LINKS

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

New-AzSqlServer

Remove-AzSqlServer

Set-AzSqlServer

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

