



## *Windows PowerShell Get-Help on Cmdlet 'Add-SqlLogin'*

***PS:\>Get-HELP Add-SqlLogin -Full***

### NAME

Add-SqlLogin

### SYNOPSIS

Creates a Login object in an instance of SQL Server.

### SYNTAX

```
Add-SqlLogin [[-ServerInstance] <String[]>] [-AccessToken <PSObject>] [-AsymmetricKey <String>] [-Certificate <String>]
[-ConnectionTimeout <Int32>] [-Credential
    <PSCredential>] [-CredentialName <String>] [-DefaultDatabase <String>] [-Enable] [-Encrypt {Mandatory | Optional |
Strict}] [-EnforcePasswordExpiration]
    [-EnforcePasswordPolicy] [-GrantConnectSql] [-HostNameInCertificate <String>] [-LoginName <String>]
[-LoginPSCredential <PSCredential>] -LoginType {WindowsUser |
    WindowsGroup | SqlLogin | Certificate | AsymmetricKey | ExternalUser | ExternalGroup}
[-MustChangePasswordAtNextLogin] [-ProgressAction <ActionPreference>] [-Script]
[-TrustServerCertificate] [<CommonParameters>]
```

```
Add-SqlLogin [[-InputObject] <Server>] [-AccessToken <PSObject>] [-AsymmetricKey <String>] [-Certificate <String>]
[-CredentialName <String>] [-DefaultDatabase
```

<String>] [-Enable] [-Encrypt {Mandatory | Optional | Strict}] [-EnforcePasswordExpiration] [-EnforcePasswordPolicy]  
 [-GrantConnectSql] [-HostNameInCertificate  
 <String>] [-LoginName <String>] [-LoginPSCredential <PSCredential>] -LoginType {WindowsUser | WindowsGroup |  
 SqlLogin | Certificate | AsymmetricKey | ExternalUser |  
 ExternalGroup} [-MustChangePasswordAtNextLogin] [-ProgressAction <ActionPreference>] [-Script]  
 [-TrustServerCertificate] [<CommonParameters>]

Add-SqlLogin [[-Path] <String>] [-AccessToken <PSObject>] [-AsymmetricKey <String>] [-Certificate <String>]  
 [-CredentialName <String>] [-DefaultDatabase <String>]  
 [-Enable] [-Encrypt {Mandatory | Optional | Strict}] [-EnforcePasswordExpiration] [-EnforcePasswordPolicy]  
 [-GrantConnectSql] [-HostNameInCertificate <String>]  
 [-LoginName <String>] [-LoginPSCredential <PSCredential>] -LoginType {WindowsUser | WindowsGroup | SqlLogin |  
 Certificate | AsymmetricKey | ExternalUser |  
 ExternalGroup} [-MustChangePasswordAtNextLogin] [-ProgressAction <ActionPreference>] [-Script]  
 [-TrustServerCertificate] [<CommonParameters>]

## DESCRIPTION

The Add-SqlLogin cmdlet creates a Login object in an instance of SQL Server.

## PARAMETERS

-AccessToken <PSObject>

The access token used to authenticate to SQL Server, as an alternative to user/password or Windows Authentication.

This can be used, for example, to connect to `SQL Azure DB` and `SQL Azure Managed Instance` using a `Service Principal` or a `Managed Identity`.

The parameter to use can be either a string representing the token or a `PSAccessToken` object as returned by running `Get-AzAccessToken -ResourceUri`  
<https://database.windows.net>.

> This parameter is new in v22 of the module.

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

**-AsymmetricKey <String>**

Specify the name of the asymmetric key for the Login object. If the LoginType parameter has the value AsymmetricKey, specify an asymmetric key.

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

**-Certificate <String>**

Specify the name of the certificate for the Login object. If LoginType has the value Certificate, specify a certificate.

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

**-ConnectionTimeout <Int32>**

Specifies the number of seconds to wait for a server connection before a time-out failure. The time-out value must be an integer between 0 and 65534. If 0 is specified, connection attempts do not time out.

|           |       |
|-----------|-------|
| Required? | false |
| Position? | named |

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

**-Credential <PSCredential>**

Specifies a PSCredential object for the connection to SQL Server. To obtain a credential object, use the Get-Credential cmdlet. For more information, type  
Get-Help Get-Credential.

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

**-CredentialName <String>**

Specify the name of the credential for the Login object.

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

**-DefaultDatabase <String>**

Specify the default database for the Login object. The default value is master.

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

#### -Enable [<SwitchParameter>]

Indicates that the Login object is enabled. By default, Login objects are disabled.

WindowsGroup type objects are always enabled. This parameter does not affect them.

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

#### -Encrypt <String>

The encryption type to use when connecting to SQL Server.

This value maps to the `Encrypt` property `SqlConnectionEncryptOption` on the SqlConnection object of the Microsoft.Data.SqlClient driver.

In v22 of the module, the default is `Optional` (for compatibility with v21). In v23+ of the module, the default value will be 'Mandatory', which may create a breaking change for existing scripts.

> This parameter is new in v22 of the module.

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

#### -EnforcePasswordExpiration [<SwitchParameter>]

Indicates that the password expiration policy is enforced for the Login object. This parameter applies only SqlLogin type objects. This parameter implies the

EnforcePasswordPolicy parameter. You do not have to specify both.

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

**-EnforcePasswordPolicy [<SwitchParameter>]**

Indicates that the password policy is enforced for the Login object. This parameter applies only SqlLogin type objects.

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

**-GrantConnectSql [<SwitchParameter>]**

Indicates that the Login object is not denied permissions to connect to the database engine. By default, Login objects are denied permissions to connect to the database engine, unless the target server is SQL Azure.

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

**-HostNameInCertificate <String>**

The host name to be used in validating the SQL Server TLS/SSL certificate. You must pass this parameter if your SQL Server instance is enabled for Force

Encryption and you want to connect to an instance using hostname/shortname. If this parameter is omitted then passing the Fully Qualified Domain Name (FQDN) to

-ServerInstance is necessary to connect to a SQL Server instance enabled for Force Encryption.

> This parameter is new in v22 of the module.

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

**-InputObject <Server>**

Specifies an SQL Server Management Objects (SMO) object the SQL Server on which this cmdlet operates.

|                             |                |
|-----------------------------|----------------|
| Required?                   | false          |
| Position?                   | 1              |
| Default value               | None           |
| Accept pipeline input?      | True (ByValue) |
| Accept wildcard characters? | false          |

**-LoginName <String>**

Specifies a name for the Login object. The case sensitivity is the same as that of the instance of SQL Server.

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

**-LoginPSCredential <PSCredential>**

Specifies a PSCredential object that allows the Login object to provide name and password without a prompt.

|               |       |
|---------------|-------|
| Required?     | false |
| Position?     | named |
| Default value | None  |

Accept pipeline input?     False

Accept wildcard characters? false

-LoginType <LoginType>

Specifies the type of the Login object as a Microsoft.SqlServer.Management.Smo.LoginType value. The acceptable values for this parameter are: - AsymmetricKey

- Certificate

- SqlLogin

- WindowsGroup

- WindowsUser

At this time, the cmdlet does not support ExternalUser or ExternalGroup.

Required?                true

Position?                named

Default value            None

Accept pipeline input?     False

Accept wildcard characters? false

-MustChangePasswordAtNextLogin [<SwitchParameter>]

Indicates that the user must change the password at the next login. This parameter applies only SqlLogin type objects.

This parameter implies the

EnforcePasswordExpiration parameter. You do not have to specify both.

Required?                false

Position?                named

Default value            False



Accept pipeline input? False

Accept wildcard characters? false

**-Path <String>**

Specifies the path of the SQL Server on which this cmdlet runs the operation. The default value is the current working directory.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-ProgressAction <ActionPreference>**

Determines how PowerShell responds to progress updates generated by a script, cmdlet, or provider, such as the progress bars generated by the Write-Progress cmdlet. The Write-Progress cmdlet creates progress bars that show a command's status.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

**-Script [<SwitchParameter>]**

Indicates that this cmdlet returns a Transact-SQL script that performs the task that this cmdlet performs.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-ServerInstance <String[]>

Specifies the name of an instance of SQL Server. For the default instance, specify the computer name. For named instances, use the format

ComputerName\InstanceName.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-TrustServerCertificate [<SwitchParameter>]

Indicates whether the channel will be encrypted while bypassing walking the certificate chain to validate trust.

In v22 of the module, the default is '\$true' (for compatibility with v21). In v23+ of the module, the default value will be '\$false', which may create a breaking change for existing scripts.

> This parameter is new in v22 of the module.

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>).

Microsoft.SqlServer.Management.Smo.Server

System.String[]

## OUTPUTS

System.Object

## NOTES

----- Example 1: Create an SqlLogin type -----

```
PS C:\> Add-SqlLogin -ServerInstance "MyServerInstance" -LoginName "MyLogin" -LoginType "SqlLogin"
-DefaultDatabase "OtherDatabase"
```

| Name    | Login Type | Created           |
|---------|------------|-------------------|
| MyLogin | SqlLogin   | 8/11/2016 3:19 PM |

This command creates a Login object that is named 'MyLogin' of the type SqlLogin. The command specifies its default database as 'OtherDatabase' in the server instance

named 'MyServerInstance'. This command prompts you for a password for the Login.

----- Example 2: Create an asymmetric key type -----

```
PS C:\> Add-SqlLogin -ServerInstance "MyServerInstance" -LoginName "MyLogin" -LoginType "AsymmetricKey"
-AsymmetricKey "MyKey" -CredentialName "MyCredential"
```

| Name | Login Type | Created |
|------|------------|---------|
|      |            |         |

This command creates a Login object that is named MyLogin of the type AsymmetricKey. It specifies an asymmetric key that is named MyKey. Also it maps the credential

called MyCredential to the new Login object. The command operates in the server instance named MyServerInstance.

#### RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/add-sqllogin>

Get-SqlLogin

Remove-SqlLogin