



Windows PowerShell Get-Help on Cmdlet 'Set-SqlErrorLog'

PS:\>Get-HELP Set-SqlErrorLog -Full

NAME

Set-SqlErrorLog

SYNOPSIS

Sets or resets the maximum number of error log files before they are recycled.

SYNTAX

Set-SqlErrorLog [[-ServerInstance] <String[]>] [-AccessToken <PSObject>] [-ConnectionTimeout <Int32>] [-Credential <PSCredential>] [-Encrypt {Mandatory | Optional |

Strict}] [-ErrorLogSizeKb <Int32>] [-HostNameInCertificate <String>] [-MaxLogCount <UInt16>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate] [
 <CommonParameters>]

Set-SqlErrorLog [-InputObject] <Server> [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-ErrorLogSizeKb <Int32>] [-HostNameInCertificate
 <String>] [-MaxLogCount <UInt16>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate] [
 <CommonParameters>]

Set-SqlErrorLog [[-Path] <String>] [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-ErrorLogSizeKb

<Int32>] [-HostNameInCertificate <String>]
[-MaxLogCount <UInt16>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate]
[<CommonParameters>]

DESCRIPTION

The Set-SqlErrorLog cmdlet sets or resets the maximum number of error log files before they are recycled.

This cmdlet supports the following modes of operation to set logs:

- Pass the instance of the SQL Server.
- Specify the Path parameter of the SQL Server instance.
- Invoke the cmdlet in a valid context.

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

-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 value 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 used to specify the credentials for a SQL Server login that has permission to perform this operation.

Required? false

Position? named

Default value None

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

-ErrorLogSizeKb <Int32>

Specifies the size limit of the SQL instance error log file in kilo bytes.

Valid range is 0 to Int32.MaxValue.

If the user does not specify this parameter then the ErrorLogSizeKb remains unchanged. The default value for the SQL instance is 0.

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

-InputObject <Server>

Specifies the server object of the target instance.

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

-MaxLogCount <UInt16>

Specifies the maximum number of error log files. If the value is not specified, the cmdlet resets the value to the default.

The allowed range of values are between 6 and 99.

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

-Path <String>

Specifies the path to the instance of SQL Server on which this cmdlet runs the operation. If you do not specify a value for this parameter, the cmdlet uses the working location.

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, as a string array, the name of an instance of SQL Server. For default instances, only specify the computer name: MyComputer. For named instances, use

the format `MyComputer\MyInstanceName`.

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

INPUTS

System.String[]

Microsoft.SqlServer.Management.Smo.Server

OUTPUTS

NOTES

If the value on the server is already set to the value specified, this cmdlet does not do anything.

----- Example 1: Set the maximum number of error logs -----

```
PS C:\> Set-SqlErrorLog -ServerInstance "MyServer\MyInstance" -MaxLogCount 11 | Out-Null
```

This command sets the maximum number of error log files to `11`.

Example 2: Return the TSQL script code to set the maximum number of error logs

```
PS C:\> Set-SqlErrorLog -ServerInstance "MyServer\MyInstance" -MaxLogCount 11 -Script
```

```
USE [master]
```

```
GO
```

```
EXEC xp_instance_regwrite N'HKEY_LOCAL_MACHINE', N'Software\Microsoft\MSSQLServer\MSSQLServer',  
N'NumErrorLogs', REG_DWORD, 11
```

```
GO
```

This command returns the T-SQL script code, as a string array, that is needed to set the maximum number of error log files to `11`.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/set-sqlerrorlog>

Get-SqlErrorLog