



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

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

NAME

Get-SqlColumnEncryptionKey

SYNOPSIS

Gets all column encryption key objects defined in the database, or gets one column encryption key object with the specified name.

SYNTAX

Get-SqlColumnEncryptionKey [[-Name] <String>] [-InputObject] <Database> [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-HostNameInCertificate

<String>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate] [<CommonParameters>]

Get-SqlColumnEncryptionKey [[-Name] <String>] [[-Path] <String>] [-AccessToken <PSObject>] [-Encrypt {Mandatory | Optional | Strict}] [-HostNameInCertificate

<String>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate] [<CommonParameters>]

DESCRIPTION

The Get-SqlColumnEncryptionKey cmdlet returns a column encryption key object for each column encryption key in the

target database.

If the name of the column encryption key is provided, the cmdlet returns one specific column encryption key object.

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 -ResourceUrl`

`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

`-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

-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 <Database>

Specifies the SQL database object for which this cmdlet runs the operation.

Required?	true
Position?	2
Default value	None
Accept pipeline input?	True (ByValue)
Accept wildcard characters?	false

-Name <String>

Specifies the name of the column encryption key object.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Path <String>

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

Required? false

Position? 2

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 runs a script to get the SQL column encryption key value.

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

Microsoft.SqlServer.Management.Smo.Database

OUTPUTS

SqlColumnEncryptionKey[]

SqlColumnEncryptionKey

NOTES

-- Example 1: Get all column encryption keys from a database --

```
PS C:\> Get-SqlColumnEncryptionKey
```

This command gets all column encryption keys from the database.

--- Example 2: Get a column encryption key from a specified ---

```
PS C:\> Get-SqlColumnEncryptionKey -Name "CEK1"
```

This command gets a column encryption key from the column encryption key object named 'CEK1'.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/get-sqlcolumnencryptionkey>

New-SqlColumnEncryptionKey

Remove-SqlColumnEncryptionKey