



Windows PowerShell Get-Help on Cmdlet 'Remove-SqlColumnEncryptionKeyValue'

PS:\>Get-HELP Remove-SqlColumnEncryptionKeyValue -Full

NAME

Remove-SqlColumnEncryptionKeyValue

SYNOPSIS

Removes an encrypted value from an existing column encryption key object in the database.

SYNTAX

```
Remove-SqlColumnEncryptionKeyValue [-Name] <String> [-InputObject] <Database> [-AccessToken <PSObject>]
-ColumnMasterKeyName <String> [-Encrypt {Mandatory | Optional
| Strict}] [-HostNameInCertificate <String>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate]
[<CommonParameters>]
```

```
Remove-SqlColumnEncryptionKeyValue [-Name] <String> [[-Path] <String>] [-AccessToken <PSObject>]
-ColumnMasterKeyName <String> [-Encrypt {Mandatory | Optional
| Strict}] [-HostNameInCertificate <String>] [-ProgressAction <ActionPreference>] [-Script] [-TrustServerCertificate]
[<CommonParameters>]
```

The `Remove-SqlColumnEncryptionKeyValue` cmdlet modifies a column encryption key object in the database, by removing an entry for an encrypted value produced using the specified column master key.

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

`-ColumnMasterKeyName <String>`

Specifies the name of the column master key that was used to produce the encrypted value that this cmdlet removes.

Required?	true
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 that this cmdlet removes.

Required?	true
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, this 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 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

-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>).

INPUTS

Microsoft.SqlServer.Management.Smo.Database

OUTPUTS

NOTES

----- Example 1: Remove a column encryption key value -----

```
PS C:\> CD SQLSERVER:\SQL\MyServer\MyInstance\Databases\MyDatabase
```

```
PS SQLSERVER:\SQL\MyServer\MyInstance\Databases\MyDatabase> Remove-SqlColumnEncryptionKeyValue -Name  
"CEK1" -ColumnMasterKey "CMK1"
```

This command removes the column encryption key value encrypted with a column master key named `CMK1` from the column encryption key database object named `CEK1`. The operation happens on database `MyDatabase` on server instance `MyServer\MyInstance`

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/remove-sqlcolumnencryptionkeyvalue>
Add-SqlColumnEncryptionKeyValue