## Windows PowerShell Get-Help on Cmdlet 'New-SqlColumnEncryptionSettings'

*PS:\>Get-HELP New-SqlColumnEncryptionSettings -Full*

NAME

    New-SqlColumnEncryptionSettings

SYNOPSIS

    Creates a SqlColumnEncryptionSettings object that encapsulates information about a single column's encryption, including CEK and encryption type.

SYNTAX

    New-SqlColumnEncryptionSettings [-ColumnName] <String> [-EncryptionType] <String> [[-EncryptionKey] <String>] [-ProgressAction <ActionPreference>] [<CommonParameters>]

DESCRIPTION

        The New-SqlColumnEncryptionSettings cmdlet creates a SqlColumnEncryptionSettings object. The SqlColumnEncryptionSettings object encapsulates information about the

    Always Encrypted settings for a single database columns, including the encryption type and the column encryption key.

    > `Module requirements: version 21+ on PowerShell 5.1; version 22+ on PowerShell 7.x.`

PARAMETERS

  -ColumnName <String>

                    Specifies     the     name     of     the     database     column     that     uses     the     following     format:
[<schemaName>.]<tableName>.<columnName>.


    Required?              true

    Position?              0

    Default value          None

    Accept pipeline input?     False

    Accept wildcard characters?  false


  -EncryptionKey <String>

    Specifies the name of the column encryption key object. This argument is not allowed if the EncryptionType parameter
value is set to Plaintext.


    Required?              false

    Position?              2

    Default value          None

    Accept pipeline input?     False

    Accept wildcard characters?  false


  -EncryptionType <String>

    Specifies the type of encryption. The acceptable values for this parameter are:


    - Deterministic, for deterministic encryption


    - Randomized, for randomized encryption


    - Plaintext, indicating that the column is not encrypted.


    Required?              true

    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


  <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


OUTPUTS

  SqlColumnEncryptionSettings


NOTES

Example 1: Create an encrypted SqlColumnEncryptionSettings object for a column

PS C:\> $EncryptionSettings = New-SqlColumnEncryptionSettings dbo.Person.LastName "Deterministic" MyCEK

This command creates a SqlColumnEncryptionSettings object for the column named `dbo.Person.LastName`, specifying the deterministic encryption and column encryption

key named `MyCEK` for the column. The command stores the result in the variable named `$EncryptionSettings`.

Example 2: Create an unencrypted SqlColumnEncryptionSettings object for a column

PS C:\> $EncryptionSettings = New-SqlColumnEncryptionSettings dbo.Person.FirstName "Plaintext"

This command creates a SqlColumnEncryptionSettings object for the `dbo.Person.FirstName` column, specifying the column is not encrypted. The command stores the result

in the variable named `$EncryptionSettings`.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/sqlserver/new-sqlcolumnencryptionsettings

SQLServer_Cmdlets