Windows PowerShell Get-Help on Cmdlet 'New-SqlCertificateStoreColumnMasterKeySettings'

PS:\>Get-HELP New-SqlCertificateStoreColumnMasterKeySettings -Full

NAME

New-SqlCertificateStoreColumnMasterKeySettings

SYNOPSIS

Creates a SqlColumnMasterKeySettings object referencing the specified certificate.

SYNTAX

New-SqlCertificateStoreColumnMasterKeySettings [-CertificateStoreLocation] <String> [-Thumbprint] <String> [[-AllowEnclaveComputations]] [[-Signature] <String>]

[-ProgressAction <ActionPreference>] [<CommonParameters>]

DESCRIPTION

The New-SqlCertificateStoreColumnMasterKeySettings cmdlet creates a SqlColumnMasterKeySettings object that references the specified certificate, stored in the Windows

Certificate Store, which is intended to be used as a column master key for the Always Encrypted feature.

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

PARAMETERS

-AllowEnclaveComputations [<SwitchParameter>]

Specifies whether the column master key allows enclave computations. If the parameter is specified, server-side secure enclaves will be allowed to perform

computations on data protected with the column master key. Not valid for SQL Server 2017 and older versions.

Required? false

Position? 2

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CertificateStoreLocation <String>

Specifies the certificate store location, containing the certificate. The acceptable values for this parameter are:

- CurrentUser

- LocalMachine

Required? true

Position? 0

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

-Signature <String>

Specifies a hexadecimal string that is a digital signature of column master key properties. A client driver can verify the signature to ensure the column master

key properties have not been tampered with. This parameter is allowed only if AllowEnclaveComputations is specified. If AllowEnclaveComputations is specified, but

Signature is not, the cmdlet automatically computes the signature and populates the Signature property of the new SqlColumnMasterKeySettings object.

Required? false

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Thumbprint <String>

Specifies the thumbprint of the certificate.

Required? true

Position? 1

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

SqlColumnMasterKeySettings

NOTES

Example 1: Create a SqlColumnMasterKeySettings object referencing a certificate

PS C:\> $CMKSettings = New-SqlCertificateStoreColumnMasterKeySettings -CertificateStoreLocation "CurrentUser" -CertificateThumbprint "f2260f28d909d21c642a3d8e0b45a830e79a1420"

This command creates a SqlColumnMasterKeySettings object referencing a certificate in Windows Certificate Store.

Example 2: Create a SqlColumnMasterKeySettings object referencing an enclave-enabled certificate with auto-signed properties

PS C:\>$CMKSettings = New-SqlCertificateStoreColumnMasterKeySettings -CertificateStoreLocation "CurrentUser" -CertificateThumbprint "f2260f28d909d21c642a3d8e0b45a830e79a1420" -AllowEnclaveComputations

This command creates a SqlColumnMasterKeySettings object referencing a certificate in Windows Certificate Store that allows enclave computations. Since Signature is not specified, the cmdlet automatically computes the signature and populates the Signature property of the SqlColumnMasterKeySettings object.

Example 3: Create a SqlColumnMasterKeySettings object referencing an enclave-enabled certificate

PS C:\>$CMKSettings = New-SqlCertificateStoreColumnMasterKeySettings -CertificateStoreLocation "CurrentUser"

-CertificateThumbprint

"f2260f28d909d21c642a3d8e0b45a830e79a1420" -AllowEnclaveComputations -Signature "0x19BEB4F27F582FDBBD0C7E5F92CF161D79D5E7F5A5183F9C8E710252E7028A3654FBEAF834EE45925024

F1A32BD3C6D7D92B46E38690830E20E0777607B073E6665EB05E39263C02557D1208ACECB2251A108D0DEFC25232B67FD223C590258C817292FAFCE2388507812D64A0AEC9E546B0B8E4B2F3EA436053CB158F3

CF478C5F5EDA511D0F752F60C3B129BF21356A93368FCC7FD6FAA8DB4E919EB551F375181CA3F4D0404A811C99BD2C8D10C0003AC12B138371F2D76611768B4E84D44116C42F00D679B36D41FBD9467B58291B1

F4348C7B422793DA0614EF980CA0A7F42B6D627AFA5A753F0869D2C2F9B0FD38289D5433CE9266C6F867334654BE12"

This command creates a SqlColumnMasterKeySettings object referencing a certificate in Windows Certificate Store that allows enclave computations. The signature of the

certificate properties is specified in the Signature parameter.

RELATED LINKS

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

SQLServer_Cmdlets