



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

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

NAME

New-SmbServerCertificateMapping

SYNOPSIS

Creates a certificate association with the SMB server for SMB over QUIC.

SYNTAX

```
New-SmbServerCertificateMapping [-Name] <String> [-Thumbprint] <String> [-StoreName] <String> [-AsJob]
[-CimSession <CimSession[]>] [-DisplayName <String>] [-Flags
{None | AllowNamedPipe | DefaultCert}] [-Force] [-Subject <String>] [-ThrottleLimit <Int32>] [-Type {QUIC}] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The New-SmbServerCertificateMapping cmdlet associates a certificate to the SMB server for SMB over QUIC on Windows Server 2022 Datacenter: Azure Edition. This cmdlet

is not used for Windows or other Windows Server editions. For more information, review SMB over QUIC (<https://aka.ms/smboverquic>).

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-CimSession <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a `New-CimSession`

(/powershell/module/cimcmdlets/new-cimsession) or

[Get-CimSession](<https://go.microsoft.com/fwlink/p/?LinkId=227966>)cmdlet. The default is the current session on the local computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DisplayName <String>

Specifies a friendly name to display for the mapping.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Flags <Flags>

Specifies if Named Pipes are enabled for SMB over QUIC. The acceptable values for this parameter are:

- `None:` Remove all flags.

- `AllowNamedPipe:` Enable use of named pipes in SMB over QUIC connections for this mapping (off by default, overrides the value of

RestrictNamedPipeAccessOverQuic).

- `DefaultCert:` Not used.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Name <String>

Specifies a fully-qualified DNS name or NetBIOS name that must match the certificate's subject name or an entry in the certificate's subject alternative names.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StoreName <String>

Specifies the path to the certificate store for the certificate. The recommended value is "My" for the local machine personal store.

Required? true

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Subject <String>

Specifies the subject name of the certificate.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ThrottleLimit <Int32>

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of 0 is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit

applies only to the current cmdlet, not to the session or to the computer.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Thumbprint <String>

Specifies the thumbprint value of the certificate.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Type <Type>

Specifies the type of certificate mapping. The acceptable value for this parameter is:

`QUIC` Certificate mapping is for SMB over QUIC.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

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

System.String

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

NOTES

Example 1 - Map a certificate located in the local machine's personal store

```
New-SmbServerCertificateMapping -Name fs2.contoso.com -Thumbprint
88032B3551FAF7DE26EFFFF814AA086E3DBD2A4F -StoreName my -Subject CN=2022-ae-02
```

fs2.contoso.com CN=2022-ae-02 88032B3551FAF7DE26EFFFF814AA086E3DBD2A4F 2022-ae-02 my QUIC None

RELATED LINKS

Online Version:
https://learn.microsoft.com/powershell/module/smbshare/new-smbservercertificatemapping?view=windowsserver2022-ps&wt.mc_id=ps-gethelp