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PowerShell

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PowerShell Get-Help on command 'New-SmbServerCertificateMapping'

PS C:\Users\wahid> Get-Help New-SmbServerCertificateMapping

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.

-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.

-DisplayName <String>

Specifies a friendly name to display for the mapping.

-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.

-Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

-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.

-StoreName <String>

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

-Subject <String>

Specifies the subject name of the certificate.

-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.

-Thumbprint <String>

Specifies the thumbprint value of the certificate.

-Type <Type>

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

`QUIC` Certificate mapping is for SMB over QUIC.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-WhatIf [<SwitchParameter>]

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

<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>).

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
```

Name	Subject	Thumbprint	
DisplayName	StoreName	Type	Flags
fs2.contoso.com	CN=2022-ae-02	88032B3551FAF7DE26EFFFF814AA086E3DBD2A4F	
2022-ae-02	my	QUIC	None

REMARKS

To see the examples, type: "get-help New-SmbServerCertificateMapping -examples".

For more information, type: "get-help New-SmbServerCertificateMapping -detailed".

For technical information, type: "get-help New-SmbServerCertificateMapping -full".

For online help, type: "get-help New-SmbServerCertificateMapping -online"