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PowerShell

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PowerShell Get-Help on command 'Get-SmbServerCertificateMapping'

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

NAME

Get-SmbServerCertificateMapping

SYNOPSIS

Retrieves a certificate associated with the SMB server for SMB over QUIC.

SYNTAX

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

DESCRIPTION

The Get-SmbServerCertificateMapping cmdlet retrieves the certificates associated with 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 `NamedPipes`` 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 value of `RestrictNamedPipeAccessOverQuic`)

- `DefaultCert:`` Not used

-IncludeHidden [<SwitchParameter>]

Not used.

-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.

-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.

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

Example 1 - Retrieve the certificate mapped to two SMB over QUIC server names

```
PS C:\> Get-SmbServerCertificateMapping
```

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

REMARKS

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

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

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

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