



### ***Windows PowerShell Get-Help on Cmdlet 'New-SmbMapping'***

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

#### **NAME**

New-SmbMapping

#### **SYNOPSIS**

Creates an SMB mapping.

#### **SYNTAX**

```
New-SmbMapping [[-LocalPath] <String>] [[-RemotePath] <String>] [-AsJob] [-CimSession <CimSession[]>]
[-CompressNetworkTraffic <Boolean>] [-GlobalMapping]
[-HomeFolder] [-Password <String>] [-Persistent <Boolean>] [-RequireIntegrity <Boolean>] [-RequirePrivacy <Boolean>]
[-SaveCredentials] [-SkipCertificateCheck]
[-ThrottleLimit <Int32>] [-TransportType <TransportType>] [-UserName <String>] [-UseWriteThrough <Boolean>]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

#### **DESCRIPTION**

The New-SmbMapping cmdlet creates a Server Message Block (SMB) mapping on the SMB client to an SMB share.

## 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

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) 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

### -CompressNetworkTraffic <Boolean>

Indicates that SMB compression is requested for the mapped drive if the SMB server supports it.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

### -GlobalMapping [<SwitchParameter>]

Indicates that the SMB mapping is global instead of user-specific and is equivalent to using New-SmbGlobalMapping without any explicit allow or deny settings.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

#### **-HomeFolder [<SwitchParameter>]**

Indicates that the connection is made to the home folder of the user.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

#### **-LocalPath <String>**

Specifies the local path to which the remote path is mapped.

Required?	false
Position?	1
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

#### **-Password <String>**

Specifies the password to be used to connect to the SMB share.

Required?	false
Position?	named
Default value	None

Accept pipeline input? False

Accept wildcard characters? false

#### -Persistent <Boolean>

Indicates that this connection is persistent.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -RemotePath <String>

Specifies the remote path that is accessed from this computer.

Required? false

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -RequireIntegrity <Boolean>

Indicates that SMB signing is required for the mapped drive.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -RequirePrivacy <Boolean>

Indicates that SMB encryption is required for the mapped drive.

Required?	false
Position?	named
Default value	None
Accept pipeline input?	False
Accept wildcard characters?	false

**-SaveCredentials [<SwitchParameter>]**

Indicates that the credentials provided should be saved for when a mapping to the same SMB server also is created.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

**-SkipCertificateCheck [<SwitchParameter>]**

Indicates that the client does not need to trust the server certificate's issuer in order to connect using SMB over QUIC.

Required?	false
Position?	named
Default value	False
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

**-TransportType <TransportType>**

Specifies the network transport used by SMB. The acceptable values for this parameter are:

- `TCP`: Use TCP network transport.
- `QUIC`: Use QUIC network transport.
- `None`: Use default transport behavior (first try TCP then try QUIC).

Required?           false  
Position?           named  
Default value       None  
Accept pipeline input?   False  
Accept wildcard characters? false

**-UserName <String>**

Specifies the user name to use to connect to the SMB share.

Required?           false  
Position?           named  
Default value       None  
Accept pipeline input?   False  
Accept wildcard characters? false

**-UseWriteThrough <Boolean>**

Indicates that forced unit access ("write through") is required and bypasses all OS caches, forcing IO to disk.

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**

None

## OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#root/Microsoft/Windows/SMB/MSFT\_SmbMapping

This cmdlet returns a MSFT\_SmbMapping object that represents the newly created SMB mapping.

## NOTES

----- Example 1: Create an SMB mapping -----

```
PS C:\>New-SmbMapping -LocalPath 'X:' -RemotePath '\\Contoso-SO\VMFiles'
```

Status	Local Path	Remote Path
-----	-----	-----
OK	X:	\\Contoso-SO\VMFiles

This command creates an SMB mapping.

## RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/smbshare/new-smbmapping?view=windowsserver2022-ps&wt.mc\\_id=ps-get](https://learn.microsoft.com/powershell/module/smbshare/new-smbmapping?view=windowsserver2022-ps&wt.mc_id=ps-get)

help

Get-SmbMapping

Remove-SmbMapping