



python



PowerShell

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PowerShell Get-Help on command 'New-SmbMapping'

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

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.

-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.

-CompressNetworkTraffic <Boolean>

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

-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.

-HomeFolder [<SwitchParameter>]

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

-LocalPath <String>

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

-Password <String>

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

-Persistent <Boolean>

Indicates that this connection is persistent.

-RemotePath <String>

Specifies the remote path that is accessed from this computer.

-RequireIntegrity <Boolean>

Indicates that SMB signing is required for the mapped drive.

-RequirePrivacy <Boolean>

Indicates that SMB encryption is required for the mapped drive.

-SaveCredentials [<SwitchParameter>]

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

-SkipCertificateCheck [<SwitchParameter>]

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

-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.

-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).

-UserName <String>

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

-UseWriteThrough <Boolean>

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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- 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.

REMARKS

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

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

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

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