PowerShell Get-Help on command 'New-SmbGlobalMapping'

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

NAME

New-SmbGlobalMapping

SYNOPSIS

Creates an SMB global mapping.

SYNTAX

New-SmbGlobalMapping [[-LocalPath] <String>] [-RemotePath] <String> [-AsJob]

[-CimSession <CimSession[]>] -Credential <PSCredential> [-DenyAccess

<String[]>] [-FullAccess <String[]>] [-Persistent <Boolean>]

[-RequireIntegrity <Boolean>] [-RequirePrivacy <Boolean>] [-ThrottleLimit

<Int32>] [-UseWriteThrough <Boolean>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The New-SmbGlobalMapping cmdlet creates an SMB global mapping on the SMB

client to an SMB share. Global mappings allow all users to use the same

mapping. Its primary use is for Windows Containers. Global mappings support

standalone and failover cluster SMB shares, they do not support DFS Namespace

folder shares.

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.

   -Credential <PSCredential>

     Specifies a credential gathered with Get-Credential.

   -DenyAccess <String[]>

     Specifies which accounts are denied access to the SMB mapping. Multiple

     accounts can be specified by supplying a comma-separated list. For

     example: -NoAccess "NT AUTHORITY\SYSTEM", "contoso\ned".

   -FullAccess <String[]>

     Specifies which accounts are granted full permission to access the SMB

     mapping. Use a comma-separated list to specify multiple accounts. For

     example: -FullAccess "NT AUTHORITY\SYSTEM", "contoso\ned".

   -LocalPath <String>

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

   -Persistent <Boolean>

     Indicates that this connection is recreated after reboot.

-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.

-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.

-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).

-------------------------- Example 1 --------------------------

```
$creds = Get-Credential

New-SmbGlobalMapping -RemotePath \\fs1.contoso.com\public -Credential $creds

-LocalPath G:
```

```
Status Local Path Remote Path

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OK    G:      \\fs1.contoso.com\public
```

This command will gather the credentials for the global mapping. It then maps

the remote share path "\fs1.contoso.com\public" to the "G:" drive letter. Any

users, applications, or containers can now access data on the G: drive.

REMARKS

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

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

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

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