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

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

#### **NAME**

New-SmbMultichannelConstraint

#### **SYNOPSIS**

Creates an SMB multi-channel constraint for the specified server.

#### **SYNTAX**

```
New-SmbMultichannelConstraint [-ServerName] <String> [-InterfaceAlias] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
New-SmbMultichannelConstraint [-ServerName] <String> [-InterfaceIndex] <UInt32[]> [-AsJob] [-CimSession <CimSession[]>] [-Force] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

#### **DESCRIPTION**

The New-SmbMultichannelConstraint cmdlet creates a Server Message Block (SMB) multi-channel constraint for the specified server. This constraint applies to the

Default instance of SMB used for normal sharing. It does not apply to SMB-using application instances like Storage Replica, Storage Spaces Direct SBL, or CSV.

## 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

### -Force [<SwitchParameter>]

Forces the command to run without asking for user confirmation.

Required?              false

Position?              named

Default value          False

Accept pipeline input? False

Accept wildcard characters? false

#### -InterfaceAlias <String[]>

Specifies the interface aliases of the network interfaces that is used to connect to the server.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -InterfaceIndex <UInt32[]>

Specifies the interface indexes of the network interfaces that are used to connect to the server.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

#### -ServerName <String>

Specifies, when the SMB client is connecting to this server, that the constraints determine which network interfaces are used.

Required? true

Position? 1

Default value None

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

#### -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) (<https://go.microsoft.com/fwlink/?LinkId=113216>).

## INPUTS

None

## OUTPUTS

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

This cmdlet returns a MSFT\_SmbMultiChannelConnection object that represents the SMB multi-channel constraints for the server against which one or more constraints are created.

## NOTES

Example 1: Create an SMB multi-channel constraint for an SMB server

```
PS C:\>New-SmbMultichannelConstraint -ServerName "Contoso-SO" -InterfaceAlias "RDMA1", "RDMA2"
```

Confirm

Are you sure you want to perform this action?

Performing operation 'New-SmbMultichannelConstraint' on Target 'Contoso-SO'.

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y

InterfaceAlias : RDMA1

InterfaceGuid : {597b0a73-2b66-4be0-9e6d-f42eae8a35d6}

InterfaceIndex : 12

ServerName : Contoso-SO

PSComputerName :

InterfaceAlias : RDMA2

InterfaceGuid : {bd3c4a04-64cf-4205-88f5-38c4c35dfc38}

InterfaceIndex : 15

ServerName : Contoso-SO

PSComputerName :

This command creates an SMB multi-channel constraint for the SMB server named Contoso-SO.

Example 2: Create an SMB multi-channel constraint for an SMB server without confirmation

PS C:\>New-SmbMultichannelConstraint -ServerName "Contoso-SO" -InterfaceIndex 12, 15 -Force

InterfaceAlias : RDMA1

InterfaceGuid : {597b0a73-2b66-4be0-9e6d-f42eae8a35d6}

InterfaceIndex : 12

ServerName : Contoso-SO

PSComputerName :

InterfaceAlias : RDMA2

InterfaceGuid : {bd3c4a04-64cf-4205-88f5-38c4c35dfc38}

InterfaceIndex : 15

ServerName : Contoso-SO

PSComputerName :

This command creates an SMB multi-channel constraint for the SMB server named Contoso-SO without user confirmation.

## RELATED LINKS

Online

Version:

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

Get-SmbMultichannelConstraint

Remove-SmbMultichannelConstraint

