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Windows PowerShell Get-Help on Cmdlet 'Get-SmbMultichannelConstraint'

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

NAME

Get-SmbMultichannelConstraint

SYNOPSIS

Retrieves the constraints that define how the SMB client uses network interfaces to connect to the servers.

SYNTAX

```
Get-SmbMultichannelConstraint [[-ServerName] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]
```

DESCRIPTION

The Get-SmbMultichannelConstraint cmdlet retrieves the constraints that define how the Server Message Block (SMB) client uses network interfaces to connect to the servers. 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/?LinkId=227967>) or

[Get-CimSession] (<https://go.microsoft.com/fwlink/?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

-ServerName <String[]>

Specifies the constraints for the specified server being returned.

Required? false

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

<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_SmbMultichannelConstraint

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the pound sign (`#`) provides the namespace and class name for the underlying WMI object. The MSFT_SmbMultichannelConstraint object represents the constraints that define how the SMB client uses the network interfaces to connect to servers.

NOTES

----- Example 1: Get multichannel constraints -----

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

```
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 retrieves the constraints that define how the SMB client uses network interfaces to connect to the servers.

RELATED LINKS

	Online	Version:
https://learn.microsoft.com/powershell/module/smbshare/get-smbmultichannelconstraint?view=windowsserver2022-ps&wt.mc_id=ps-gethelp	Online	Version:
New-SmbMultichannelConstraint		
Remove-SmbMultichannelConstraint		