



Windows PowerShell Get-Help on Cmdlet 'Add-TargetPortToMaskingSet'

PS:\>Get-HELP Add-TargetPortToMaskingSet -Full

NAME

Add-TargetPortToMaskingSet

SYNOPSIS

Adds one or more target ports to a specified masking set, allowing a connection between the target ports, and any virtual disks and initiator IDs that the masking set contains.

SYNTAX

```
Add-TargetPortToMaskingSet [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]>
[-PassThru] [-TargetPortAddresses <String[]>] [-ThrottleLimit
<Int32>] [-WhatIf] [<CommonParameters>]
```

```
Add-TargetPortToMaskingSet [-MaskingSetFriendlyName] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
[-PassThru] [-TargetPortAddresses <String[]>]
[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

```
Add-TargetPortToMaskingSet [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -MaskingSetUniqueId <String[]>
[-PassThru] [-TargetPortAddresses <String[]>]
```

`[-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]`

DESCRIPTION

The `Add-TargetPortToMaskingSet` cmdlet adds one or more target ports to a specified masking set, allowing a connection between the target ports, and any virtual disks

and initiator IDs that the masking set contains. All target ports must use the same connection type (for example iSCSI or Fibre Channel).

Note: This cmdlet works only on storage subsystems that support multi-port per view selection (`MaskingPortsPerView = 3`). To view the `MaskingPortsPerView` property,

type the following cmdlets: ``Get-StorageSubSystem | Format-Table -Property FriendlyName, MaskingPortsPerView``

`ps_storage_spacesubsystem_not_remark`

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

-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

-InputObject <CimInstance[]>

Specifies the input object that is used in a pipeline command.

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-MaskingSetFriendlyName <String[]>

Specifies the friendly name of the masking set to which you want to assign a target port.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-MaskingSetUniqueid <String[]>

Specifies the UniqueID of the masking set to which you want to assign a target port.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Specifies that the cmdlet should output an object representing the masking set to which it added target ports. By default, this cmdlet does not generate any output.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-TargetPortAddresses <String[]>

Specifies one or more target port addresses, which you can view by looking at the PortAddress property returned by the Get-TargetPort cmdlet. The target port addresses will be added to the masking set.

Required? false

Position? named

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

-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

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_MaskingSet

You can pipe a MaskingSet object to the InputObject parameter.

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT_MaskingSet

If you specify the Passthru parameter, this cmdlet outputs an object that represents the masking set to which you added a target port.

NOTES

* When used in Failover Cluster, cmdlets from the Storage module operate on cluster level (all servers in the cluster).

----- Example 1: Add a target port -----

```
PS C:\> $TargetPortObject = Get-TargetPort
```

```
PS C:\> $subSystem = Get-StorageSubSystem SANArray1
```

```
PS C:\> $maskingSet = Get-MaskingSet "Cluster1MaskingSet"
```

```
PS C:\> $subSystem | Get-TargetPort | Where-Object ConnectionType -eq "Fibre Channel" | Format-Table -AutoSize  
FriendlyName, PortAddress
```

FriendlyName	PortAddress
--------------	-------------

Stor1_FCTargetPort.0a	500A098387995A75
-----------------------	------------------

Stor1_FCTargetPort.0b	500A098487995A75
-----------------------	------------------

Stor1_FCTargetPort.0c	500A098187995A75
-----------------------	------------------

Stor1_FCTargetPort.0d	500A098287995A75
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```
PS C:\> $maskingSet | Add-TargetPortToMaskingSet -TargetPortAddresses "500A098187995A75"
```

This example demonstrates enumerating the Fibre Channel target ports on a given storage subsystem, and adding one of the target ports to an existing masking set.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/storage/add-targetporttomaskingset?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Get-MaskingSet

Get-TargetPort

New-MaskingSet