
## *Windows PowerShell Get-Help on Cmdlet 'Get-TargetPort'*

***PS:\>Get-HELP Get-TargetPort -Full***

NAME

Get-TargetPort

SYNOPSIS

Returns a TargetPort object associated with a specific port address and connection type.

SYNTAX

Get-TargetPort [[-FriendlyName] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ConnectionType {Other | FibreChannel | ParallelSCSI | SSA | IEEE1394 | RDMA |

iSCSI | SAS | ADT}] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-ConnectionType {Other | FibreChannel | ParallelSCSI | SSA | IEEE1394 | RDMA | iSCSI | SAS | ADT}] [-PortAddress

<String[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-MaskingSet <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-StorageSubSystem <CimInstance>] [-ThrottleLimit <Int32>]

[<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-TargetPortal <CimInstance>] [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-UniqueId <String[]>] [<CommonParameters>]

Get-TargetPort [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-VirtualDisk <CimInstance>] [<CommonParameters>]

DESCRIPTION

The Get-TargetPort cmdlet returns a TargetPort object associated with a specific port address and connection type.

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

-ConnectionType <ConnectionType[]>

Specifies the type of the connection. The acceptable values for this parameter are:iSCSI, SAS, Fibre Channel, and so on.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-FriendlyName <String[]>

Specifies a friendly name for a disk. The friendly name may be defined by a user and is not guaranteed to be unique.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-MaskingSet <CimInstance>

Accepts a MaskingSet object as input. The Masking Set CIM object is exposed by the Get-MaskingSet (https://technet.microsoft.com/library/a7ef71fd-f7f6-4231-8799-0e96dd9eac84)cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-PortAddress <String[]>

Specifies a string containing the port address to query.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-StorageSubSystem <CimInstance>

Accepts a StorageSubsystem object as input. The Storage Subsystem CIM object is exposed by the Get-StorageSubsystem

(https://technet.microsoft.com/library/ea364a0b-06d6-4653-b41c-be69b8038b54)cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-TargetPortal <CimInstance>

Accepts a TargetPortal object as input. The Target Portal CIM object is exposed by the Get-TargetPortal cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

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 PowerShellr 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

-UniqueId <String[]>

Specifies an ID used to uniquely identify a Disk object in the system. The ID persists through restarts.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VirtualDisk <CimInstance>

Accepts a VirtualDisk object as input. The Virtual Disk CIM object is exposed by the Get-VirtualDisk (https://technet.microsoft.com/library/0eeba53f-6468-485f-a680-49260b4c83f0)cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

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.

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

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.

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

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.

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

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.

OUTPUTS

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

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.

NOTES

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

---------- EXAMPLE 1 ----------

PS C:\> $StorageSubsystem = Get-StorageSubsystem

PS C:\> Get-Targetport -StorageSubsystem $StorageSubsystem

This example returns a list of target ports on the specified storage subsystem.

RELATED LINKS

Online Version:

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