



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

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

**NAME**

Get-InitiatorPort

**SYNOPSIS**

Gets one or more host bus adapter (HBA) initiator ports.

**SYNTAX**

Get-InitiatorPort [[-NodeAddress] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ConnectionType {Other | FibreChannel | iSCSI | SAS}] [-ThrottleLimit <Int32>]

[<CommonParameters>]

Get-InitiatorPort [-AsJob] [-CimSession <CimSession[]>] [-ConnectionType {Other | FibreChannel | iSCSI | SAS}] [-InstanceName <String[]>] [-ThrottleLimit <Int32>]

[<CommonParameters>]

Get-InitiatorPort [-AsJob] [-CimSession <CimSession[]>] [-ObjectId <String[]>] [-ThrottleLimit <Int32>] [-VirtualDisk <CimInstance[]>]

[<CommonParameters>]

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

[<CommonParameters>]

Get-InitiatorPort [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-iSCSIConnection <CimInstance>]

[<CommonParameters>]

Get-InitiatorPort [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-iSCSISession <CimInstance>]

[<CommonParameters>]

Get-InitiatorPort [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [-iSCSITarget <CimInstance>]

[<CommonParameters>]

## DESCRIPTION

The Get-InitiatorPort cmdlet gets and displays host bus adapter (HBA) initiator ports, such as SAS, FibreChannel, and iSCSI ports. Typically used either for

connection to an iSCSI target in the case of iSCSI, or for in the management of masking sets in the case of FibreChannel.

## 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 *Page 2/7*

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. Acceptable values are: Other, FibreChannel, iSCSI, and SAS.

To specify a custom connection type, specify the Other value and specify a non-NULL value for the OtherConnectionTypeDescription property.

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

-InstanceName <String[]>

Specifies the instance name of the initiator.

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

-NodeAddress <String[]>

Specifies the node address for the initiator.

Required? false

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

**-ObjectId <String[]>**

Specifies the ObjectID of the initiator.

Required? false  
Position? named  
Default value None  
Accept pipeline input? True (ByPropertyName)  
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

**-VirtualDisk <CimInstance>**

Specifies the VirtualDisk object for which you want to get the initiator port. Enter a VirtualDisk CIM object, which is exposed by the Get-VirtualDisk cmdlet.

Required? false  
Position? named

Default value            None  
Accept pipeline input?    True (ByValue)  
Accept wildcard characters? false

**-iSCSIConnection <CimInstance>**

Specifies the iSCSIConnection object for which you want to get the initiator port. Enter an iSCSIConnection CIM object, which is exposed by the

Get-IscsiConnection cmdlet.

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

**-iSCSISession <CimInstance>**

Specifies the iSCSISession object for which you want to get the initiator port. Enter an iSCSISession CIM object, which is exposed by the Get-IscsiSession cmdlet.

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

**-iSCSITarget <CimInstance>**

Specifies the iSCSITarget object for which you want to get the initiator port. Enter an iSCSITarget CIM object, which is exposed by the Get-IscsiTarget 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\_IscsiConnection

You can pipe an iSCSIConnection object to the iSCSIConnection parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_IscsiSession

You can pipe an iSCSI Session object to the iSCSI Session parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_IscsiTarget

You can pipe an IscsiTarget object to the IscsiTarget parameter.

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_VirtualDisk

You can pipe a VirtualDisk object to the VirtualDisk parameter.

#### OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/Microsoft/Windows/Storage/MSFT\_InitiatorPort

This cmdlet returns an object that represents the initiator port you specified.

#### NOTES

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

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

InstanceName	NodeAddress	PortAddress	ConnectionType
-----	-----	-----	-----
ROOT\ISCSIPRT\0000_0	iqn.1991-05.com.contoso:...	ISCSI ANY PORT	iSCSI

This example gets all available initiator ports.

-- Example 2: Get all initiator ports, and filter the display --

```
PS C:\>Get-InitiatorPort | Select-Object -Property NodeAddress,ConnectionType | Format-Table -AutoSize
```

NodeAddress	ConnectionType
-----	-----
iqn.1991-05.com.microsoft:johnj99-pc2.contoso.com	iSCSI

This example gets all available initiator ports. selects only the NodeAddress and ConnectionType properties, and then displays this information.

## RELATED LINKS

Online

Version:

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

Format-Table <https://go.microsoft.com/fwlink/?LinkID=113303>

Select-Object <https://go.microsoft.com/fwlink/?LinkID=113387>

Set-InitiatorPort