## PowerShell Get-Help on command 'Get-InitiatorPort'

*PS C:\Users\wahid> Get-Help Get-InitiatorPort*

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>] [<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.


-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.


-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.

-InstanceName <String[]>

Specifies the instance name of the initiator.

-NodeAddress <String[]>

Specifies the node address for the initiator.

-ObjectId <String[]>

Specifies the ObjectID of the initiator.

-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.

-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.

-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.

-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.


-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.


<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).


-------------- Example 1: Get all initiator ports --------------


PS C:\>Get-InitiatorPort

InstanceName            NodeAddress            PortAddress

        ConnectionType

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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

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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.

REMARKS

To see the examples, type: "get-help Get-InitiatorPort -examples".

For more information, type: "get-help Get-InitiatorPort -detailed".

For technical information, type: "get-help Get-InitiatorPort -full".

For online help, type: "get-help Get-InitiatorPort -online"