PowerShell Get-Help on command 'Get-NetAdapterVPort'

PS C:\Users\wahid> Get-Help Get-NetAdapterVPort

NAME

   Get-NetAdapterVPort

SYNOPSIS

   Displays the network adapter VPort settings for a SR-IOV or VMQ VPort.

SYNTAX

   Get-NetAdapterVPort [-AsJob] [-CimSession <CimSession[]>] [-FunctionID

   <UInt16[]>] [-IncludeHidden] -InterfaceDescription <String[]>

   [-PhysicalFunction] [-SwitchID <UInt32[]>] [-ThrottleLimit <Int32>] [-VPortID

   <UInt32[]>] [<CommonParameters>]

   Get-NetAdapterVPort [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>]

   [-FunctionID <UInt16[]>] [-IncludeHidden] [-PhysicalFunction] [-SwitchID

   <UInt32[]>] [-ThrottleLimit <Int32>] [-VPortID <UInt32[]>] [<CommonParameters>]

DESCRIPTION

   The Get-NetAdapterVPort cmdlet displays the network adapter virtual port

   (VPort) settings for a Single-Root I/O Virtualization (SR-IOV) or virtual

machine queue (VMQ) VPort.

Without a VPort specified, this cmdlet displays all VPorts on the network adapter with the port name, number and state.

Providing a specific VPort ID will display that specific VPort in long format.

Optionally, this cmdlet displays the SR-IOV virtual function settings, if the function ID is provided.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.   The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the `*-Job` cmdlets. To get the job results, use the Receive-Job (https://go.microsoft.com/fwlink/?LinkID=113372)cmdlet.   For more information about Windows PowerShellr background jobs, see about_Jobs (https://go.microsoft.com/fwlink/?LinkID=113251).

-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.

-FunctionID <UInt16[]>

Specifies the ID of the SR-IOV virtual function settings to display as an array.

-IncludeHidden [<SwitchParameter>]

   Indicates that the cmdlet includes both visible and hidden network

   adapters in the operation. By default only visible network adapters are

   included. If a wildcard character is used in identifying a network adapter

   and this parameter has been specified, then the wildcard string is matched

   against both hidden and visible network adapters.

-InterfaceDescription <String[]>

   Specifies an array of network adapter interface descriptions. For a

   physical network adapter this is typically the name of the vendor of the

   network adapter followed by a part number and description, such as

   `Contoso 12345 Gigabit Network Device`.

-Name <String[]>

   Specifies an array of network adapter names.

-PhysicalFunction [<SwitchParameter>]

   Specifies the physical function as the network adapter for the VPort.

-SwitchID <UInt32[]>

   Specifies the virtual switch ID to identify which network adapter for one

   or more VPorts.

-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.

-VPortID <UInt32[]>

   Specifies the virtual switch port number that is displayed in long format.

Without this parameter, all VPorts or the specified range are displayed.

Specifying a VPort will display long format for a single VPort.

<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: Display all VPorts on the specified network adapter

PS C:\> Get-NetAdapterVPort -Name "Ethernet 2"

This command displays all VPorts on network adapter named Ethernet 2.

Example 2: Display the VPort summary for the specified port number for the

specified network adapter

PS C:\> Get-NetAdapterVPort -Name "Ethernet Connection 2" -VPortID 3

This command displays the VPort summary for VPort 3 on the network adapter

named Ethernet Connection 2.

REMARKS

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

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

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

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