Windows PowerShell Get-Help on Cmdlet 'Get-NetEventVmSwitch'

PS:\>Get-HELP Get-NetEventVmSwitch -Full

NAME

Get-NetEventVmSwitch

SYNOPSIS

Gets Hyper-V virtual switches from a provider.

SYNTAX

Get-NetEventVmSwitch [-AsJob] [-AssociatedPacketCaptureProvider <CimInstance>] [-CimSession <CimSession[]>] [-ShowInstalled] [-ThrottleLimit <Int32>]

[<CommonParameters>]

Get-NetEventVmSwitch [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ShowInstalled] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-NetEventVmSwitch cmdlet gets Hyper-V virtual switches from a Remote Packet Capture provider. This cmdlet returns a list of Hyper-V virtual switches that you

configured as filters on a Remote Packet Capture provider.

The protocol stack uses multiple layers to transmit, receive, and process network traffic as packets. The provider logs network traffic as Event Tracing for Windows

(ETW) events.

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

-AssociatedPacketCaptureProvider <CimInstance>

Specifies the associated packet capture provider as a CIM object. To obtain the packet capture provider, use the Get-NetEventPacketCaptureProvider cmdlet.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

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

-Name <String[]>

Specifies an array of Hyper-V virtual switches.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ShowInstalled [<SwitchParameter>]

Indicates that the cmdlet displays all network adapters that are installed on the computer.

Required? false

Position? named

Default value False

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 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

<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

OUTPUTS

NOTES

--- Example 1: Get a Hyper-V virtual switch from a provider ---

```
PS C:\>New-NetEventSession -Name "NESession01"
PS C:\> Add-NetEventPacketCaptureProvider -SessionName "NESession01"
PS C:\> Add-NetEventVMSwitch -Name "Network Adapter 2 - Virtual Switch"
PS C:\> Add-NetEventVMSwitch -Name "Network Adapter 4 - Virtual Switch"
PS C:\> Get-NetEventVMSwitch -Name "Network Adapter 2 - Virtual Switch"
```

This example gets a Hyper-V virtual switch from the Remote Packet Capture provider for a network session. After you complete these commands to configure the network

session, you can start and stop the event and packet capture for the network session by using the Start-NetEventSession and Stop-NetEventSession cmdlets.

The first command uses the New-NetEventSession cmdlet to create a network session named NESession01.

The second command uses the Add-NetEventPacketCaptureProvider cmdlet to add a Remote Packet Capture provider for the session named NESession01.

The third command uses the Add-NetEventVmSwitch cmdlet to add the Hyper-V virtual switch named Network Adapter 2 - Virtual Switch as a filter on the Remote Packet

Capture provider.

The fourth command uses the Add-NetEventVmSwitch cmdlet to add the Hyper-V virtual switch named Network Adapter 4 - Virtual Switch as a filter on the Remote Packet

Capture provider.

The fifth command gets the Hyper-V virtual switch named Network Adapter 2 - Virtual Switch from the provider.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/neteventpacketcapture/get-neteventvmswitch?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Add-NetEventVmSwitch

Remove-NetEventVmSwitch

Get-NetEventPacketCaptureProvider