PowerShell Get-Help on command 'Get-NetEventVmSwitch'

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

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.

   -AssociatedPacketCaptureProvider <CimInstance>

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

   -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.

   -Name <String[]>

   Specifies an array of Hyper-V virtual switches.

   -ShowInstalled [<SwitchParameter>]

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

   -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.

<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 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.

REMARKS

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

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

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

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