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

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

NAME

Add-NetEventVmSwitch

SYNOPSIS

Adds a Hyper-V virtual switch as a filter on a provider.

SYNTAX

Add-NetEventVmSwitch [-Name] <String> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Add-NetEventVmSwitch cmdlet adds a Hyper-V virtual switch as a filter on a Remote Packet Capture provider. Use this cmdlet multiple times to add multiple Hyper-V

virtual switches. To get existing Hyper-V virtual switches, use the Get-NetEventVmSwitch cmdlet.

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

-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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Name <String>

Specifies a name for the Hyper-V virtual switch.

Required? true

Position? 0

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 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

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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: Add a Hyper-V virtual switch on a provider ----

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

This example adds a Hyper-V virtual switch as a filter on 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 adds a Hyper-V virtual switch as a filter on the Remote Packet Capture provider.

RELATED LINKS

Online Version:

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

Get-NetEventVmSwitch

Remove-NetEventVmSwitch