
## *Windows PowerShell Get-Help on Cmdlet 'Get-NetEventVmNetworkAdapter'*

***PS:\>Get-HELP Get-NetEventVmNetworkAdapter -Full***

NAME

Get-NetEventVmNetworkAdapter

SYNOPSIS

Gets virtual network adapters from a provider.

SYNTAX

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

[<CommonParameters>]

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

DESCRIPTION

The Get-NetEventVmNetworkAdapter cmdlet gets network adapters of a virtual machine from a Remote Packet Capture provider. Specify the names of the virtual network

adapters.

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 names of virtual network adapters.

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 virtual network adapter from the provider --

```
PS C:\>New-NetEventSession -Name "NESession01"
PS C:\> Add-NetEventPacketCaptureProvider -SessionName "NESession01"
PS C:\> Add-NetEventVMNetworkAdapter -Name "LargeGuid"
PS C:\> Add-NetEventVMNetworkAdapter -Name "LargeGuid02"
PS C:\> Get-NetEventVMNetworkAdapter
```

This example gets a virtual network adapter 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-NetEventVmNetworkAdapter cmdlet to add the virtual network adapter named LargeGuid as a filter on the Remote Packet Capture provider.

The fourth command uses the Add-NetEventVmNetworkAdapter cmdlet to add the virtual network adapter named LargeGuid02 as a filter on the Remote Packet Capture provider.

The fifth command gets the virtual network adapters from the Remote Packet Capture provider.

RELATED LINKS

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

Add-NetEventVmNetworkAdapter

Remove-NetEventVmNetworkAdapter

Get-NetEventPacketCaptureProvider