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

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

NAME

Add-NetEventNetworkAdapter

SYNOPSIS

Adds a network adapter as a filter on a provider.

SYNTAX

Add-NetEventNetworkAdapter [-Name] <String> [[-PromiscuousMode] <Boolean>] [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-ThrottleLimit <Int32>] [-WhatIf]

[<CommonParameters>]

DESCRIPTION

The Add-NetEventNetworkAdapter cmdlet adds a network adapter as a filter on a Remote Packet Capture provider. The protocol stack uses multiple layers to transmit,

receive, and process network traffic, or packets. The provider logs network traffic as Event Tracing for Windows (ETW) events.

Use this cmdlet multiple times to add several adapters. To see which adapters currently belong to a provider, use the

Get-NetEventNetworkAdapter cmdlet.

When you add an adapter to provider in a session that is currently running, stop and start the session for your changes to take effect. Use the Stop-NetEventSession

cmdlet to stop a session and the Start-NetEventSession cmdlet to restart it.

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 the name of a network adapter to add.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PromiscuousMode <Boolean>

Specifies whether the network adapter uses promiscuous mode.

Required? false

Position? 1

Default value None

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

-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 network adapter ----------

PS C:\>New-NetEventSession -Name "Session38"

PS C:\> Add-NetEventPacketCaptureProvider -SessionName "Session38"

PS C:\> Add-NetEventNetworkAdapter -Name "Ethernet01"

This example creates a network event session, adds a provider, and then adds a network adapter.

The first command uses the New-NetEventSession cmdlet to create a network event session named Session38.

The second command adds a provider to the session named Session38 by using the Add-NetEventPacketCaptureProvider cmdlet. A session must have a provider in order to capture packets.

The third command adds a network adapter. After you create and configure the session, use the Start-NetEventSession cmdlet to start capturing packets.

RELATED LINKS

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

Get-NetEventNetworkAdapter

Remove-NetEventNetworkAdapter

New-NetEventSession

Add-NetEventPacketCaptureProvider