



python



PowerShell

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PowerShell Get-Help on command 'Add-NetEventNetworkAdapter'

PS C:\Users\wahid> Get-Help Add-NetEventNetworkAdapter

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.

`-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.

`-Confirm [<SwitchParameter>]`

Prompts you for confirmation before running the cmdlet.

`-Name <String>`

Specifies the name of a network adapter to add.

`-PromiscuousMode <Boolean>`

Specifies whether the network adapter uses promiscuous mode.

`-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 PowerShell 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.

-WhatIf [<SwitchParameter>]

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

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- 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.

REMARKS

To see the examples, type: `"get-help Add-NetEventNetworkAdapter -examples"`.

For more information, type: `"get-help Add-NetEventNetworkAdapter -detailed"`.

For technical information, type: "get-help Add-NetEventNetworkAdapter -full".

For online help, type: "get-help Add-NetEventNetworkAdapter -online"