



python



PowerShell

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### **PowerShell Get-Help on command 'Start-NetEventSession'**

**PS C:\Users\wahid> Get-Help Start-NetEventSession**

#### NAME

Start-NetEventSession

#### SYNOPSIS

Starts event and packet capture for a network event session.

#### SYNTAX

```
Start-NetEventSession [-AsJob] [-CimSession <CimSession[]>] [-Confirm]
-InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]
```

```
Start-NetEventSession [-Name] <String[]> [-AsJob] [-CimSession <CimSession[]>]
[-Confirm] [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]
```

#### DESCRIPTION

The Start-NetEventSession cmdlet starts event and packet capture for a network event session. A session controls how the computer logs events and, optionally, network traffic, or packets. Use the New-NetEventSession cmdlet to create a session. Before you can start logging, add network event providers to

a session. A network event provider logs events and network traffic as Event Tracing for Windows (ETW) events.

If a session is currently running, you cannot start it. Use the `Get-NetEventSession` cmdlet to see session status.

## 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.

`-InputObject <CimInstance[]>`

Specifies the input object that is used in a pipeline command.

`-Name <String[]>`

Specifies an array of names of sessions to start.

`-PassThru [<SwitchParameter>]`

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

`-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>).

----- Example 1: Start a session -----

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

```
PS C:\> Add-NetEventProvider -Name "Microsoft-Windows-TCPIP" -SessionName  
"Session38"
```

```
PS C:\> Start-NetEventSession -Name "Session38"
```

This example creates a session, adds a provider to it, and then starts the session.

The first command creates a session named `Session38` by using the `New-NetEventSession` cmdlet.

The second command adds a provider to the session by using the `Add-NetEventProvider` cmdlet. A session must have a provider in order to log events.

The third command starts the session named Session38.

## REMARKS

To see the examples, type: "get-help Start-NetEventSession -examples".

For more information, type: "get-help Start-NetEventSession -detailed".

For technical information, type: "get-help Start-NetEventSession -full".

For online help, type: "get-help Start-NetEventSession -online"