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PowerShell Get-Help on command 'Set-NetEventSession'

PS C:\Users\wahid> Get-Help Set-NetEventSession

NAME

Set-NetEventSession

SYNOPSIS

Modifies a network event session.

SYNTAX

Set-NetEventSession [-AsJob] [-AssociatedEventProvider <CimInstance>]

[-CaptureMode {RealtimeRPC | SaveToFile | RealtimeLocal}] [-CimSession

<CimSession[]>] [-Confirm] [-LocalFilePath <String>] [-MaxFileSize <UInt32>]

[-MaxNumberOfBuffers <Byte>] [-PassThru] [-ThrottleLimit <Int32>]

[-TraceBufferSize <UInt32>] [-WhatIf] [<CommonParameters>]

Set-NetEventSession [-AsJob] [-CaptureMode {RealtimeRPC | SaveToFile |

RealtimeLocal}] [-CimSession <CimSession[]>] [-Confirm] -InputObject

<CimInstance[]> [-LocalFilePath <String>] [-MaxFileSize <UInt32>]

[-MaxNumberOfBuffers <Byte>] [-PassThru] [-ThrottleLimit <Int32>]

[-TraceBufferSize <UInt32>] [-WhatIf] [<CommonParameters>]

Set-NetEventSession [[-Name] <String[]>] [-AsJob] [-CaptureMode {RealtimeRPC |

SaveToFile | RealtimeLocal}] [-CimSession <CimSession[]>] [-Confirm]
[-LocalFilePath <String>] [-MaxFileSize <UInt32>] [-MaxNumberOfBuffers <Byte>]
[-PassThru] [-ThrottleLimit <Int32>] [-TraceBufferSize <UInt32>] [-WhatIf]
[<CommonParameters>]

DESCRIPTION

The Set-NetEventSession cmdlet modifies a network event session. A session controls how the computer logs events and, optionally, network traffic, or packets. A session requires at least one network event provider for logging. A network event provider logs events and network traffic as Event Tracing for Windows (ETW) events. The session stores these events in an .etl file or provides them to an application that displays them.

Specify a session to modify by using its name, or get a session to modify by using the Get-NetEventSession cmdlet. You can remove a session by using the Remove-NetEventSession cmdlet. Use the New-NetEventSession cmdlet to create a session. Only one session can exist at a time.

You can modify the maximum number of buffers in a session and the size of the trace buffer.

You can also modify whether to use an .etl file. If you use an .etl file, you can specify its location and maximum size. Instead of an .etl file, you can select a type of live display.

Use the Start-NetEventSession and Stop-NetEventSession cmdlets to start and stop logging. If you change a session that is currently running, you must stop and restart the session for your changes to take effect.

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

-AssociatedEventProvider <CimInstance>

Specifies the associated network event provider as a CIM object. To obtain the network event provider, use the Get-NetEventProvider cmdlet.

-CaptureMode <CaptureModes>

Specifies a capture mode. The acceptable values for this parameter are:

- SaveToFile. Saves the capture to an .etl file. - RealtimeRPC. Connects remotely for a live event and packet capture. - RealtimeLocal. Connects locally for a live event and packet capture.

If you specify a value of SaveToFile, you can specify a location for the file by using the LocalFilePath parameter and specify a maximum file size by using the MaxFileSize parameter.

If you specify a value of RealtimeRPC or RealtimeLocal, the capture requires additional software that supports Event Tracing for Windows listener.

-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.

-LocalFilePath <String>

Specifies a file path. If you specify a value of SaveToFile for the CaptureMode parameter, the cmdlet saves the file to this location. Be sure that you can write to this location. If you do not specify this parameter, the cmdlet uses the default value of %LocalAppData%\Temp\NetTrace.etl.

-MaxFileSize <UInt32>

Specifies a maximum file size, in megabytes. If you specify a value of SaveToFile for the CaptureMode parameter, this value is the maximum size for the .etl file. Once the file reaches the maximum, the session continues to save events, and discards the oldest events to create space. A value of 0 means that there is no maximum. If you do not specify this parameter, the cmdlet uses a default value of 250.

-MaxNumberOfBuffers <Byte>

Specifies the maximum number of buffers used in a session. If the computer determines that the value restricts performance or the value is 0, the computer overrides the configuration to optimize trace performance. For more information, see EVENT_TRACE_PROPERTIES structure (https://msdn.microsoft.com/en-us/library/windows/desktop/aa363784(v=vs.85)in the Microsoft Developer Network library.

-Name <String[]>

Specifies an array of names of sessions to modify.

-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 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.

-TraceBufferSize <UInt32>
Specifies the amount of memory, in kilobytes, for a buffer for event
tracing. The maximum value is 1024. If the computer determines that the
value restricts performance or the value is 0, the computer overrides the
configuration to optimize trace performance. The ETW logger uses the size
of physical memory to calculate the default value.

-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: Modify the file path for a session --------

PS C:\>Set-NetEventSession -LocalFilePath 'C:\WINDOWS\Temp\Trace.etl'

This command modifies the file path for the network event session on the
current computer. The new path is C:\WINDOWS\Temp\Trace.etl. If you change a
session that is currently running, use the Stop-NetEventSession and
Start-NetEventSession cmdlets to stop and restart logging.

REMARKS
To see the examples, type: "get-help Set-NetEventSession -examples".
For more information, type: "get-help Set-NetEventSession -detailed".

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

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