



python



PowerShell

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PowerShell Get-Help on command 'Add-NetEventVmSwitchProvider'

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

NAME

Add-NetEventVmSwitchProvider

SYNOPSIS

Creates a virtual machine switch provider for network events.

SYNTAX

```
Add-NetEventVmSwitchProvider [-SessionName] <String> [[-Level] <Byte>]
[[-MatchAnyKeyword] <UInt64>] [[-MatchAllKeywords] <UInt64>] [[-SwitchName]
<String>] [[-PortIds] <UInt32[]>] [-AsJob] [-CimSession <CimSession[]>]
[-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Add-NetEventVmSwitchProvider cmdlet creates a virtual machine switch provider for network events.

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.

`-Level <Byte>`

Specifies the level of Event Tracing for Windows (ETW) events for the provider. Use the level of detail for the event to filter the events that are logged. The default value for this parameter is 0x4. The acceptable values for this parameter are:

- 0x5. Verbose - 0x4. Informational - 0x3. Warning - 0x2. Error - 0x1. Critical - 0x0. LogAlways

The provider must log the event if the value of the event is less than or equal to the value of this parameter.

`-MatchAllKeywords <UInt64>`

Specifies a bitmask that restricts the events that the provider logs.

`-MatchAnyKeyword <UInt64>`

Specifies keywords as a set of hexadecimal values. Keywords are flags that you can combine to generate values. Use a set of hexadecimal values of the keywords instead of the keyword names, and apply a filter to write ETW events for keyword matches.

`-PortIds <UInt32[]>`

Specifies port numbers.

-SessionName <String>

Specifies the name of the session that is associated with the NetEventVMSwitchProvider . This parameter has the same value as the Name parameter for the New-NetEventSession cmdlet.

-SwitchName <String>

Specifies the switch for this virtual machine switch provider.

-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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-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 virtual machine switch provider -----

```
New-NetEventSession -Name "Session01"
```

```
Add-NetEventVMSwitch -Name "Network Adapter 2 - Virtual Switch"
```

```
Add-NetEventVmSwitchProvider -SessionName "Session01" -SwitchName "Network  
Adapter 2 - Virtual Switch"
```

The first command creates a network event session named `Session01` by using the `New-NetEventSession` cmdlet.

The second command creates a virtual machine switch by using the `Add-NetEventVMSwitch` cmdlet.

The third command creates a virtual machine switch provider for the specified switch.

REMARKS

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

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

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

For online help, type: `"get-help Add-NetEventVmSwitchProvider -online"`