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Windows PowerShell Get-Help on Cmdlet 'Set-NetEventVmSwitchProvider'

PS:\>Get-HELP Set-NetEventVmSwitchProvider -Full

NAME

Set-NetEventVmSwitchProvider

SYNOPSIS

Modifies a virtual machine switch provider for network events.

SYNTAX

```
Set-NetEventVmSwitchProvider [[-Level] <Byte>] [[-MatchAnyKeyword] <UInt64>] [[-MatchAllKeyword] <UInt64>]
[[-SwitchName] <String>] [[-PortIds] <UInt32[]>] [-AsJob]
[-AssociatedEventSession <CimInstance>] [-CimSession <CimSession[]>] [-PassThru] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-NetEventVmSwitchProvider [[-Level] <Byte>] [[-MatchAnyKeyword] <UInt64>] [[-MatchAllKeyword] <UInt64>]
[[-SwitchName] <String>] [[-PortIds] <UInt32[]>] [-AsJob]
[-CimSession <CimSession[]>] -InputObject <CimInstance[]> [-PassThru] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-NetEventVmSwitchProvider [[-SessionName] <String[]>] [[-Level] <Byte>] [[-MatchAnyKeyword] <UInt64>]
[[-MatchAllKeyword] <UInt64>] [[-SwitchName] <String>]
```

[-PortIds] <UInt32[]> [-AsJob] [-CimSession <CimSession[]>] [-PassThru] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]

DESCRIPTION

The Set-NetEventVmSwitchProvider cmdlet modifies 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.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AssociatedEventSession <CimInstance>

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

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

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/?LinkId=227967>) or

[Get-CimSession](<https://go.microsoft.com/fwlink/?LinkId=227966>) cmdlet. The default is the current session Page 2/8

on the local computer.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-InputObject <CimInstance[]>

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

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-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.

Required? false
Position? 3003
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-MatchAllKeyword <UInt64>

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

Required? false
Position? 3005
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-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.

Required? false
Position? 3004
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PassThru [<SwitchParameter>]

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

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-PortIds <UInt32[]>

Specifies port numbers.

Required? false

Position? 3007
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-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.

Required? false
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-SwitchName <String>

Specifies the switch for this virtual machine switch provider.

Required? false
Position? 3006
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 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.

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

-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

System.String[]

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance[]

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#root/StandardCimv2/MSFT_NetEventVmSwitchProvider

NOTES

----- 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"
```

```
Set-NetEventVmSwitchProvider -SessionName "Session01" -PortIds 20
```

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.

The fourth command modifies the provider with the specified value.

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/neteventpacketcapture/set-neteventvmswitchprovider?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Add-NetEventVmSwitchProvider

Get-NetEventVmSwitchProvider

New-NetEventSession

Remove-NetEventVmSwitchProvider