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PowerShell

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PowerShell Get-Help on command 'Set-NetAdapterUso'

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

NAME

Set-NetAdapterUso

SYNOPSIS

Sets the USO properties of a network adapter.

SYNTAX

```
Set-NetAdapterUso [-Name] <String[]> [-AsJob] [-CimSession <CimSession[]>]
[-IncludeHidden] [-IPv4Enabled <Boolean>] [-IPv6Enabled <Boolean>]
[-NoRestart] [-PassThru] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Set-NetAdapterUso [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden]
-InterfaceDescription <String[]> [-IPv4Enabled <Boolean>] [-IPv6Enabled
<Boolean>] [-NoRestart] [-PassThru] [-ThrottleLimit <Int32>] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

```
Set-NetAdapterUso [-AsJob] [-CimSession <CimSession[]>] -InputObject
<CimInstance[]> [-IPv4Enabled <Boolean>] [-IPv6Enabled <Boolean>] [-NoRestart]
[-PassThru] [-ThrottleLimit <Int32>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-NetAdapterUso cmdlet manages the UDP Segmentation Offload (USO) that enables network interface cards (NICs) to offload the segmentation of UDP datagrams that are larger than the maximum transmission unit (MTU) of the network medium. By doing so, Windows reduces CPU utilization associated with per-packet TCP/IP processing. For more information, see UDP Segmentation Offload (USO)

(/windows-hardware/drivers/network/udp-segmentation-offload-uso-).

PARAMETERS

-AsJob [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete. The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the Receive-Job (<https://go.microsoft.com/fwlink/?LinkID=113372>)cmdlet. For more information about Windows PowerShell background jobs, see about_Jobs (<https://go.microsoft.com/fwlink/?LinkID=113251>).

-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.

-IncludeHidden [<SwitchParameter>]

Indicates that this cmdlet includes both visible and hidden network adapters. By default only visible network adapters are included. If a

wildcard character is used in identifying a network adapter and this parameter has been specified, then the wildcard string is matched against both hidden and visible network adapters.

-InputObject <CimInstance[]>

Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

-InterfaceDescription <String[]>

Specifies an array of network adapter interface descriptions. For a physical network adapter this is typically the name of the vendor of the network adapter followed by a part number and description, such as `Contoso 12345 Gigabit Network Device`.

-IPv4Enabled <Boolean>

Indicates whether USO for IPv4 traffic is enabled.

-IPv6Enabled <Boolean>

Indicates whether USO for IPv6 traffic is enabled.

-Name <String[]>

Specifies an array of network adapter names.

-NoRestart [<SwitchParameter>]

Indicates that the cmdlet does not restart the network adapter after completing the operation. Many advanced properties require restarting the network adapter before the new settings take effect.

-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.

-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: Enable USO for IPv4 and disable USO for IPv6 on the specified network adapter

```
PS> Set-NetAdapterUso -Name "MyAdapter" -IPv4Enabled $True -IPv6Enabled $False
```

This command enables USO for IPv4 and disables USO for IPv6 on the network adapter named MyAdapter .

REMARKS

To see the examples, type: "get-help Set-NetAdapterUso -examples".

For more information, type: "get-help Set-NetAdapterUso -detailed".

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

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