



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

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

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>).

Required? false

Position? named

Default value False

Accept pipeline input? False

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/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.

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

`-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.

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

`-InputObject <CimInstance[]>`

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

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

`-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``.

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

-IPv4Enabled <Boolean>

Indicates whether USO for IPv4 traffic is enabled.

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

-IPv6Enabled <Boolean>

Indicates whether USO for IPv6 traffic is enabled.

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

-Name <String[]>

Specifies an array of network adapter names.

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

-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.

Required?	false
Position?	named
Default value	False
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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String[]

Microsoft.Management.Infrastructure.CimInstance[]

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_NetAdapterUsoSettingData

NOTES

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 .

RELATED LINKS

Online

Version:

https://learn.microsoft.com/powershell/module/netadapter/set-netadapteruso?view=windowsserver2022-ps&wt.mc_id=ps-ge
thelp