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

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

NAME

Get-NetAdapterUso

SYNOPSIS

Gets the USO properties of the network adapter.

SYNTAX

Get-NetAdapterUso [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden] -InterfaceDescription <String[]> [-ThrottleLimit <Int32>] [<CommonParameters>]

Get-NetAdapterUso [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-IncludeHidden] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

The Get-NetAdapterUso cmdlet gets 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

-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

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <String[]>

Specifies an array of network adapter names.

Required? false

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

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

<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[]

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance

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

NOTES

Example 1: Get the USO properties for the specified network adapter

PS> Get-NetAdapterUso -Name "MyAdapter"

This command gets the USO properties of the network adapter named MyAdapter.

Example 2: Display all the USO properties for the specified network adapter

PS> Get-NetAdapterUso -Name "MyAdapter" | Format-List -Property "*"

This command displays all of the USO properties of the network adapter named MyAdapter.

-- Example 3: Get all network adapters that have USO enabled --

PS> Get-NetAdapterUso -Name "*" | Where-Object -FilterScript { $_.Enabled }

This command gets all network adapters with USO enabled.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/netadapter/get-netadapteruso?view=windowsserver2022-ps&wt.mc_id=ps-gethelp