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

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

NAME

Get-NetAdapterLso

SYNOPSIS

Gets the LSO properties of the network adapter.

SYNTAX

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

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

DESCRIPTION

The Get-NetAdapterLso cmdlet gets the state of large send offload (LSO) settings on the network adapter. LSO is a technology where the work of segmenting data into

network frames is performed by the network adapter instead of by the TCP/IP stack. With LSO, TCP/IP sends very large data packets down to the network adapter driver

and the network adapter hardware. The network adapter breaks up the data into smaller network-sized frames. This increases the speed of high-end send operations and

decreases the processor usage of the computer, because the work is performed on the network adapter.

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 PowerShellr

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 the cmdlet includes both visible and hidden network adapters in the operation. 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 vendor name 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 PowerShellr 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

None

OUTPUTS

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_NetAdapter LsoSettingData

The `Microsoft.Management.Infrastructure.CimInstance` object is a wrapper class that displays Windows Management Instrumentation (WMI) objects. The path after the

pound sign (`#`) provides the namespace and class name for the underlying WMI object.

NOTES

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

PS C:\> Get-NetAdapterLso -Name "MyAdapter"

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

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

PS C:\> Get-NetAdapterLso -Name "MyAdapter" | Format-List -Property "*"

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

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

PS C:\> Get-NetAdapterLso -Name "*" | Where-Object -FilterScript { $_.Enabled }

This command gets all network adapters with LSO enabled.

RELATED LINKS

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

Disable-NetAdapterLso

Enable-NetAdapterLso

Set-NetAdapterLso