



python



PowerShell

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PowerShell Get-Help on command 'Set-NetAdapterEncapsulatedPacketTaskOffload'

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

NAME

Set-NetAdapterEncapsulatedPacketTaskOffload

SYNOPSIS

Sets the encapsulated packet task offload property of the network adapter.

SYNTAX

```
Set-NetAdapterEncapsulatedPacketTaskOffload [-Name] <String[]> [-AsJob]
[-CimSession <CimSession[]>] [-Confirm] [-IncludeHidden] [-NoRestart]
[-NvgreEncapsulatedPacketTaskOffloadEnabled <Boolean>] [-PassThru]
[-ThrottleLimit <Int32>] [-VxlanEncapsulatedPacketTaskOffloadEnabled
<Boolean>] [-VxlanUDPPortNumber <UInt16>] [-WhatIf] [<CommonParameters>]
```

```
Set-NetAdapterEncapsulatedPacketTaskOffload [-AsJob] [-CimSession
<CimSession[]>] [-Confirm] [-IncludeHidden] -InterfaceDescription <String[]>
[-NoRestart] [-NvgreEncapsulatedPacketTaskOffloadEnabled <Boolean>]
[-PassThru] [-ThrottleLimit <Int32>]
[-VxlanEncapsulatedPacketTaskOffloadEnabled <Boolean>] [-VxlanUDPPortNumber
<UInt16>] [-WhatIf] [<CommonParameters>]
```

Set-NetAdapterEncapsulatedPacketTaskOffload [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-NoRestart] [-NvgreEncapsulatedPacketTaskOffloadEnabled <Boolean>] [-PassThru] [-ThrottleLimit <Int32>] [-VxlanEncapsulatedPacketTaskOffloadEnabled <Boolean>] [-VxlanUDPPortNumber <UInt16>] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Set-NetAdapterEncapsulatedPacketTaskOffload cmdlet sets the encapsulated packet task offload property of the network adapter. Encapsulated task offload allows the network adapter to perform offload operations such as large send offload (LSO) and virtual machine queue (VMQ) on the inner header for encapsulated packets. The Enable-NetAdapterEncapsulatedPacketTaskoffload and Disable-NetAdapterEncapsulatedPacketTaskOffload cmdlets can also be used to manage encapsulated packet task offload.

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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-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.

-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`.

-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.

-NvgreEncapsulatedPacketTaskOffloadEnabled <Boolean>

Specifies the enabled state of the Network Virtualization Generic Routing Encapsulation (NVGRE) encapsulated packet task offload in the network

adapter. The acceptable values for this parameter are: \$true or \$false.

-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.

-VxlanEncapsulatedPacketTaskOffloadEnabled <Boolean>

Specifies the enabled state of the Virtual eXtensible Local Area Network (VXLAN) encapsulated packet task offload in the network adapter. The acceptable values for this parameter are: \$true or \$false.

-VxlanUDPPortNumber <UInt16>

Specifies the port number to use for the VXLAN UDP destination port.

-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 encapsulated packet task offload on the specified network adapter

```
PS C:\> Set-NetAdapterEncapsulatedPacketTaskOffload -Name "MyAdapter"  
-VxlanEncapsulatedPacketTaskOffloadEnabled $True
```

This command enables VXLAN encapsulated packet task offload on the network adapter named MyAdapter and restarts the network adapter. The Enable-NetAdapterEncapsulatedPacketTaskOffload cmdlet is the preferred cmdlet to perform this operation.

Example 2: Disable encapsulated packet task offload on the specified network adapter

```
PS C:\> Set-NetAdapterEncapsulatedPacketTaskOffload -Name "MyAdapter"  
-VxlanEncapsulatedPacketTaskOffloadEnabled $False
```

This command disables VXLAN encapsulated packet task offload on the network adapter named MyAdapter and restarts the network adapter. The Disable-NetAdapterEncapsulatedPacketTaskOffload cmdlet is the preferred cmdlet to perform this operation.

REMARKS

To see the examples, type: "get-help

Set-NetAdapterEncapsulatedPacketTaskOffload -examples".

For more information, type: "get-help

Set-NetAdapterEncapsulatedPacketTaskOffload -detailed".

For technical information, type: "get-help

Set-NetAdapterEncapsulatedPacketTaskOffload -full".

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