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

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

NAME

   Get-NetAdapterEncapsulatedPacketTaskOffload

SYNOPSIS

   Gets the network adapters that support encapsulated task offload.

SYNTAX

        Get-NetAdapterEncapsulatedPacketTaskOffload   [-AsJob]   [-CimSession   <CimSession[]>]   [-IncludeHidden]

-InterfaceDescription <String[]> [-ThrottleLimit <Int32>]

   [<CommonParameters>]

        Get-NetAdapterEncapsulatedPacketTaskOffload   [[-Name]   <String[]>]   [-AsJob]   [-CimSession   <CimSession[]>]

[-IncludeHidden] [-ThrottleLimit <Int32>] [<CommonParameters>]

DESCRIPTION

   The Get-NetAdapterEncapsulatedPacketTaskOffload cmdlet gets the network adapters that support encapsulated task

offload. 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.

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 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 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 EncapsulatedPacketTaskOffloadSettingData

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 encapsulated packet task offload properties from all network adapters

PS C:\> Get-NetAdapterEncapsulatedPacketTaskOffload -Name "*"

This command gets all of the encapsulated packet task offload properties from all capable network adapters.

Example 2: Get the encapsulated packet task offload properties for the specified network adapter

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

This command gets the encapsulated packet task offload properties for the network adapter named MyAdapter.

Example 3: Get the encapsulated packet task offload properties from network adapters that have it enabled

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

This command gets the encapsulated packet task offload adapters with encapsulated packet task offload enabled.

RELATED LINKS

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

Disable-NetAdapterEncapsulatedPacketTaskOffload

Enable-NetAdapterEncapsulatedPacketTaskOffload

Set-NetAdapterEncapsulatedPacketTaskOffload