PowerShell Get-Help on command 'Get-NetAdapterChecksumOffload'

PS C:\Users\wahid> Get-Help Get-NetAdapterChecksumOffload

```
NAME
    Get-NetAdapterChecksumOffload

SYNOPSIS
    Gets the various checksum offload settings from network adapters that support
    these checksum offloads.


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

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


DESCRIPTION
    The Get-NetAdapterChecksumOffload cmdlet gets the various checksum offload
    settings. Physical network adapters have various checksum offloads in which
    the checksum calculations occur in the network adapter and not in the main
```

processor. This reduces processor utilization and can increase network throughput. This cmdlet gets the various checksum offload settings, including IPv4, TCPv4, TCPv6, UDPv4, and UDPv6.

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).

-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.

-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.

-InterfaceDescription <String[]>

Specifies an array of network adapter interface description. For a physical network adapter this is typically the vendor's name 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.

-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.

<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).

Example 1: Get the checksum offload properties of the specified network adapter

```
PS C:\> Get-NetAdapterChecksumOffload -Name "MyAdapter"
```

This command gets the state of checksum offload properties of the network adapter named MyAdapter.

Example 2: Get the checksum offload properties of the specified network adapter and display them

```
PS C:\> $NetworkAdapterC01 = Get-NetAdapterChecksumOffload -Name "MyAdapter"
PS C:\> $NetworkAdapterC01.ChecksumOffloadHardwareCapabilities
```

The first command gets the state of checksum offload properties from the network adapter named MyAdapter and stores the result in the variable named $NetworkAdapterC01.

The second command displays the checksum offload hardware capabilities of the network adapter stored in the $NetworkAdapterC01.

REMARKS

To see the examples, type: "get-help Get-NetAdapterChecksumOffload -examples".

For more information, type: "get-help Get-NetAdapterChecksumOffload -detailed".

For technical information, type: "get-help Get-NetAdapterChecksumOffload -full".

For online help, type: "get-help Get-NetAdapterChecksumOffload -online"