PowerShell Get-Help on command 'Get-NetAdapterBinding'

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

NAME

    Get-NetAdapterBinding

SYNOPSIS

    Gets a list of bindings for a network adapter.

SYNTAX

    Get-NetAdapterBinding [-AllBindings] [-AsJob] [-CimSession <CimSession[]>]

    [-ComponentID <String[]>] [-DisplayName <String[]>] [-IncludeHidden]

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

    Get-NetAdapterBinding [[-Name] <String[]>] [-AllBindings] [-AsJob]

    [-CimSession <CimSession[]>] [-ComponentID <String[]>] [-DisplayName

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

DESCRIPTION

    The Get-NetAdapterBinding cmdlet gets a list of bindings for a network

    adapter. By default only the visible bindings shown in the Networking tab

    under the Network Adapter properties in Windows UI is returned. To get all

properties for a network adapter, use the AllProperties parameter.

PARAMETERS

-AllBindings [<SwitchParameter>]

Indicates that the cmdlet gets all the bindings for the network adapter.

-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.

-ComponentID <String[]>

Specifies an array of underlying names of the transport or filter in the

following form: `ms_xxxx`, such as `ms_tcpip`.

-DisplayName <String[]>

Specifies an array of transport or filter names shown in the Networking

tab under the network adapter properties in Windows Serverr 2012 and later.

-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 the network adapter interface description. 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.

-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 bindings for the specified network adapter --

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

This command gets the bindings for the network adapter named MyAdapter.

Example 2: Get all of the binding for the specified network adapter in an unformatted list

PS C:\> Get-NetAdapterBinding -Name "MyAdapter" -AllBindings

This command gets all of the bindings for the network adapter named MyAdapter as an unformatted list .

Example 3: Get the state of TCP/IPv4 on the specified network adapter using the display name

PS C:\> Get-NetAdapterBinding -Name "MyAdapter" -DisplayName "Internet Protocol Version 4 (TCP/IPv4)"

This command gets the state of the TCP/IPv4 on the network adapter named MyAdapter using display name.

Example 4: Get the state of the TCP/IPv4 transport on the specified network adapter

PS C:\> Get-NetAdapterBinding -Name "MyAdapter" -ComponentID ms_tcpip

This command gets the state of the TCP/IPv4 transport on MyAdapter using component ID.

Example 5: Get the state of TCP/IPv4 and TCP/IPv6 on all visible network adapters using a search string

PS C:\> Get-NetAdapterBinding -Name "*" -DisplayName "Internet*"

This command gets the state of TCP/IPv4 and TCP/IPv6 on all visible network adapters using wildcard characters.

REMARKS

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

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

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

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