Windows PowerShell Get-Help on Cmdlet 'Enable-NetAdapterBinding'

PS:\>Get-HELP Enable-NetAdapterBinding -Full

NAME

   Enable-NetAdapterBinding

SYNOPSIS

   Enables binding of a protocol or filter to a network adapter.

SYNTAX

   Enable-NetAdapterBinding [-Name] <String[]> [-AllBindings] [-AsJob] [-CimSession <CimSession[]>] [-ComponentID <String[]>] [-Confirm] [-DisplayName <String[]>]
   [-IncludeHidden] [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

   Enable-NetAdapterBinding [-AllBindings] [-AsJob] [-CimSession <CimSession[]>] [-ComponentID <String[]>] [-Confirm]
[-DisplayName <String[]>] [-IncludeHidden]
   -InterfaceDescription <String[]> [-PassThru] [-ThrottleLimit <Int32>] [-WhatIf] [<CommonParameters>]

   Enable-NetAdapterBinding [-AsJob] [-CimSession <CimSession[]>] [-Confirm] -InputObject <CimInstance[]> [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf]
   [<CommonParameters>]

DESCRIPTION

The Enable-NetAdapterBinding cmdlet enables binding of a protocol or filter to the network. By default this cmdlet operates on the protocols and filters visible in

the Windows UI Network Adapter properties pages. Enabling some adapter bindings can automatically disable other network adapter bindings.

PARAMETERS

-AllBindings [<SwitchParameter>]

Indicates that the cmdlet enables all protocols and filters associated with this network adapter. Enabling certain network adapter bindings can automatically

disable other network adapter bindings. Each network adapter binding is only enabled once. Therefore, after running the cmdlet with this parameter specified there

may still be network adapter bindings that are disabled.

```
Required?              false
Position?              named
Default value          False
Accept pipeline input?     False
Accept wildcard characters?  false
```

-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

-ComponentID <String[]>

Specifies an array of underlying names of the transport or filter in the following form. - `ms_xxxx`, such as `ms_tcpip`.

Required?   false

Position?   named

Default value   None

Accept pipeline input?   False

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

Accept wildcard characters? false

-DisplayName <String[]>

    Specifies an array of transport or filter name shown in the Networking tab under the network adapter properties in Windows Serverr 2012 and later.

    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

-InputObject <CimInstance[]>

    Specifies the input to this cmdlet. You can use this parameter, or you can pipe the input to this cmdlet.

    Required?   true

    Position?   named

    Default value   None

    Accept pipeline input?   True (ByValue)

    Accept wildcard characters? false

-InterfaceDescription <String[]>

Specifies an array of network adapter interface descriptions. For a physical network adapter this is the name of the vendor of the network adapter followed by a

part number and description, such as `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?   true

Position?   0

Default value   None

Accept pipeline input?   True (ByPropertyName)

Accept wildcard characters? false

-PassThru [<SwitchParameter>]

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required?   false

Position?   named

Default value   False

Accept pipeline input?   False

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

-WhatIf [<SwitchParameter>]

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required?   false

Position?   named

Default value   False

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

Microsoft.Management.Infrastructure.CimInstance#ROOT/StandardCimv2/MSFT_NetAdapter BindingSettingData[]

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.

OUTPUTS

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

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: Enable TCP/IPv4 on the specified network adapter -

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

This command is a version of the cmdlet that enables TCPv4 and IPv4 on the network adapter named MyAdapter using wildcard characters in the display name and restarts

the network adapter.

PS C:\> Enable-NetAdapterBinding -Name "MyAdapter" -DisplayName "Inter* (TCP/IPv4)"

This command enables TCPv4 and IPv4 on the network adapter named MyAdapter using the display name and restarts the network adapter.

Example 2: Enable TCP/IPv4 on the specified network adapter using a component ID

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

This command enables TCPv4 and IPv4 on the network adapter named MyAdapter using the component ID and restarts the network adapter.

RELATED LINKS

https://learn.microsoft.com/powershell/module/netadapter/enable-netadapterbinding?view=windowsserver2022-ps&wt.mc_id=ps-gethelp

Disable-NetAdapterBinding

Get-NetAdapterBinding

Set-NetAdapterBinding