



python



PowerShell

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PowerShell Get-Help on command 'Enable-NetAdapterBinding'

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

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.

-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.

-ComponentID <String[]>

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

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-DisplayName <String[]>

Specifies an array of transport or filter name shown in the Networking tab under the network adapter properties in Windows Server 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.

-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 the name of the vendor of the network adapter followed by a part number and description, such as `12345 Gigabit Network Device`.

-Name <String[]>

Specifies an array of network adapter names.

-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.

-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 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.

REMARKS

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

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

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

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