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PowerShell Get-Help on command 'Disable-NetAdapterBinding'

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

NAME

Disable-NetAdapterBinding

SYNOPSIS

Disables a binding to a network adapter.

SYNTAX

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

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

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

DESCRIPTION

The Disable-NetAdapterBinding cmdlet disables a binding to a network adapter. Running this cmdlet causes loss of network connectivity depending on the binding that is disabled. Disabling some adapter bindings can automatically enable other network adapter bindings.

PARAMETERS

-AllBindings [<SwitchParameter>]

Indicates that this cmdlet disables all protocols and filters associated with this network adapter that can be disabled. Some protocols and filters may be mandatory and therefore cannot be disabled. Disabling some network adapter bindings can cause other network adapter bindings to automatically be enabled. Each network adapter binding is disabled only once so after running with this parameter there may still be network adapter bindings that are enabled.

-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 the underlying name 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 the transport or filter name 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. If a wildcard character is used to identify a network adapter, then the wildcard character is matched against both hidden and visible 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 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.

-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 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.

-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).

Example 1: Disable TCP/IPv4 on a network adapter then restart it

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

This command disables TCP/IPv4 on the network adapter named MyAdapter using the display name Internet Protocol Version 4 (TCP/IPv4) and restarts the network adapter.

Example 2: Disable TCP/IPv4 on a specific adapter using a component ID

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

This command disables TCP/IPv4 on the network adapter named MyAdapter using the component ID ms_tcpip and restarts the network adapter.

Example 3: Disable TCP/IPv4 on a specified adapter using a wildcard character

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

This command disables TCP/IPv4 on network adapter named MyAdapter using a wildcard character in the display name and restarts the network adapter.

REMARKS

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

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

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

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