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

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

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.

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 the underlying name 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 the 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. If a wildcard character is used to identify a network adapter, then

the wildcard character is matched against both hidden and visible 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 typically the name of the vendor of the network adapter

followed by a part number and description, such as `Contoso 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_NetAdapterBindingSettingData

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: 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.

RELATED LINKS

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

Enable-NetAdapterBinding

Get-NetAdapterBinding

Set-NetAdapterBinding