



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

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

NAME

Disable-NetAdapter

SYNOPSIS

Disables a network adapter.

SYNTAX

Disable-NetAdapter [-Name] <String[]> [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-IncludeHidden] [-PassThru]
[-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]

Disable-NetAdapter [-AsJob] [-CimSession <CimSession[]>] [-Confirm] [-IncludeHidden] -InterfaceDescription <String[]>
[-PassThru] [-ThrottleLimit <Int32>] [-WhatIf]
[<CommonParameters>]

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

DESCRIPTION

The Disable-NetAdapter cmdlet disables a network adapter. A network adapter must be enabled to connect to a network. This cmdlet causes loss of network connectivity of the specified network adapter. Do not disable the network adapter being used to manage a remote computer. By default the user is prompted to confirm that the network adapter should be disabled.

PARAMETERS

-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>).

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

-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

-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 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? False

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 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.

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[]

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

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 a network adapter by name -----

```
PS C:\> Disable-NetAdapter -Name "Ethernet 2"
```

A version of the cmdlet that uses position.

```
PS C:\> Disable-NetAdapter "Ethernet 2"
```

A version of the cmdlet that uses position and wildcard characters.

```
PS C:\> Disable-NetAdapter E*2
```

This command disables a network adapter named Ethernet Connection 2.

-- Example 2: Disable a network adapter on a remote computer --

```
PS C:\> Disable-NetAdapter -Name "VMGuestTrafficAdapter" -CimSession HyperVServer4
```

This command disables the network adapter named VMGuestTrafficAdapter on the remote computer named HyperVServer4.

----- Example 3: Disable all network adapters -----

```
PS C:\> Disable-NetAdapter -Name ""
```

This command disables all network adapters. If you are remotely managing a computer, then all network connectivity is lost and cannot be remotely restored.

----- Example 4: Disable a network adapter -----

```
PS C:\> Disable-NetAdapter -Name "MyAdapter"
```

Confirm

Are you sure you want to perform this action?

```
Disable-NetAdapter ?MyAdapter'
```

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"):Y

A version of the cmdlet that overrides the default confirmation prompt when disabling the network adapter named MyAdapter. For more information about changing the

default confirmation prompt, see the \$ConfirmPreference variable by running the [CODE_Snippet]Get-Help -Name about_Preference_Variables[CODE_Snippet] cmdlet.

```
PS C:\> Disable-NetAdapter -Name "MyAdapter" -Confirm:$False
```

This command disables the network adapter named MyAdapter.

RELATED LINKS

Online

Version:

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

Enable-NetAdapter