



python



PowerShell

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PowerShell Get-Help on command 'Restart-NetAdapter'

PS C:\Users\wahid> Get-Help Restart-NetAdapter

NAME

Restart-NetAdapter

SYNOPSIS

Restarts a network adapter by disabling and then re-enabling the network adapter.

SYNTAX

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

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

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

DESCRIPTION

The Restart-NetAdapter cmdlet restarts a network adapter by disabling and then re-enabling the network adapter. This may be needed for certain properties to take effect in a physical network adapter or to put the network adapter into a known state.

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>).

-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.

-Confirm [<SwitchParameter>]

Prompts you for confirmation before running the cmdlet.

-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 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 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: Restart the specified network adapter -----

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

This command shows an alternate version of the above command that uses wildcard characters.

```
PS C:\> Restart-NetAdapter -Name "E*2"
```

This command restarts the network adapter named Ethernet 2.

REMARKS

To see the examples, type: "get-help Restart-NetAdapter -examples".

For more information, type: "get-help Restart-NetAdapter -detailed".

For technical information, type: "get-help Restart-NetAdapter -full".

For online help, type: "get-help Restart-NetAdapter -online"