



python



PowerShell

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### **PowerShell Get-Help on command 'Restart-Service'**

**PS C:\Users\wahid> Get-Help Restart-Service**

#### NAME

Restart-Service

#### SYNOPSIS

Stops and then starts one or more services.

#### SYNTAX

```
Restart-Service -DisplayName <System.String[]> [-Exclude <System.String[]>]
[-Force] [-Include <System.String[]>] [-PassThru] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

```
Restart-Service [-InputObject] <System.ServiceProcess.ServiceController[]>
[-Exclude <System.String[]>] [-Force] [-Include <System.String[]>] [-PassThru]
[-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Restart-Service [-Name] <System.String[]> [-Exclude <System.String[]>]
[-Force] [-Include <System.String[]>] [-PassThru] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

## DESCRIPTION

The `Restart-Service` cmdlet sends a stop message and then a start message to the Windows Service Controller for a specified service. If a service was already stopped, it is started without notifying you of an error. You can specify the services by their service names or display names, or you can use the InputObject parameter to pass an object that represents each service that you want to restart.`

## PARAMETERS

`-DisplayName <System.String[]>`

Specifies the display names of services to restarted. Wildcard characters are permitted.

`-Exclude <System.String[]>`

Specifies services that this cmdlet omits. The value of this parameter qualifies the `Name` parameter. Enter a name element or pattern, such as `s*`. Wildcard characters are permitted.

`-Force <System.Management.Automation.SwitchParameter>`

Forces the command to run without asking for user confirmation.

`-Include <System.String[]>`

Specifies services that this cmdlet restarts. The value of this parameter qualifies the `Name` parameter. Enter a name element or pattern, such as `s*`. Wildcard characters are permitted.

`-InputObject <System.ServiceProcess.ServiceController[]>`

Specifies `ServiceController` objects that represent the services to restart. Enter a variable that contains the objects, or type a command or expression that gets the objects.

`-Name <System.String[]>`

Specifies the service names of the services to restart.

-PassThru <System.Management.Automation.SwitchParameter>

Returns an object that represents the service. By default, this cmdlet does not generate any output.

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

-WhatIf <System.Management.Automation.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: Restart a service on the local computer -----

```
PS C:\> Restart-Service -Name winmgmt
```

This command restarts the Windows Management Instrumentation service (WinMgmt) on the local computer.

----- Example 2: Exclude a service -----

```
PS C:\> Restart-Service -DisplayName "net*" -Exclude "net logon"
```

This command restarts the services that have a display name that starts with Net, except for the Net Logon service.

----- Example 3: Start all stopped network services -----

```
PS C:\> Get-Service -Name "net*" | Where-Object {$_.Status -eq "Stopped"} |
```

## Restart-Service

This command starts all of the stopped network services on the computer.

This command uses the `Get-Service` cmdlet to get objects that represent the services whose service name starts with net. The pipeline operator (`|`) sends the services object to the `Where-Object` cmdlet, which selects only the services that have a status of stopped. Another pipeline operator sends the selected services to `Restart-Service`.

In practice, you would use the `WhatIf` parameter to determine the effect of the command before you run it.

### REMARKS

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

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

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

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