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PowerShell

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PowerShell Get-Help on command 'Set-Service'

PS C:\Users\wahid> Get-Help Set-Service

NAME

Set-Service

SYNOPSIS

Starts, stops, and suspends a service, and changes its properties.

SYNTAX

```
Set-Service [-ComputerName <System.String[]>] [-Description <System.String>]
[-DisplayName <System.String>] [-InputObject
<System.ServiceProcess.ServiceController>] [-PassThru] [-StartupType {Boot |
System | Automatic | Manual | Disabled}] [-Status {Paused | Running |
Stopped}] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Set-Service [-Name] <System.String> [-ComputerName <System.String[]>]
[-Description <System.String>] [-DisplayName <System.String>] [-PassThru]
[-StartupType {Boot | System | Automatic | Manual | Disabled}] [-Status
{Paused | Running | Stopped}] [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The `Set-Service` cmdlet changes the properties of a service such as the Status , Description , DisplayName , and StartupType . `Set-Service` can start, stop, suspend, or pause a service. To identify a service, enter its service name or submit a service object. Or, send a service name or service object down the pipeline to `Set-Service`.

PARAMETERS

`-ComputerName <System.String[]>`

Specifies one or more computers. For remote computers, type the NetBIOS name, an IP address, or a fully qualified domain name. If the `ComputerName` parameter isn't specified, the command runs on the local computer.

This parameter doesn't rely on PowerShell remoting. You can use the `ComputerName` parameter even if your computer isn't configured to run remote commands.

`-Description <System.String>`

Specifies a new description for the service.

The service description appears in Computer Management, Services . The `Description` isn't a property of the `Get-Service` `ServiceController` object. To see the service description, use `Get-CimInstance` that returns a `Win32_Service` object that represents the service.

`-DisplayName <System.String>`

Specifies a new display name for the service.

> [!NOTE] > Typically, `Set-Service` only operates on Windows services and not drivers. However, if you > specify the name of a driver, `Set-Service` can target the driver.

`-InputObject <System.ServiceProcess.ServiceController>`

Specifies a ServiceController object that represents the service to change. Enter a variable that contains the object, or type a command or expression that gets the object, such as a `Get-Service` command. You can use the pipeline to send a service object to `Set-Service`.

-Name <System.String>

Specifies the service name of the service to be changed. Wildcard characters aren't permitted. You can use the pipeline to send a service name to `Set-Service`.

> [!NOTE] > Typically, `Set-Service` only operates on Windows services and not drivers. However, if you > specify the name of a driver, `Set-Service` can target the driver.

-PassThru <System.Management.Automation.SwitchParameter>

Returns a ServiceController object that represents the services that were changed. By default, `Set-Service` doesn't generate any output.

-StartupType <System.ServiceProcess.ServiceStartMode>

Sets the startup type of the service. The acceptable values for this parameter are:

- Automatic - The service is started or was started by the operating system, at system start-up. If an automatically started service depends on a manually started service, the manually started service is also started automatically at system startup.
- Disabled - The service is disabled and cannot be started by a user or application.
- Manual - The service is started only manually, by a user, using the Service Control Manager, or by an application.
- Boot - Indicates that the service is a device driver started by the system loader. This value is valid only for device drivers.
- System - Indicates that the service is a device driver started by the 'IOInitSystem()' function. This value is valid only for device drivers.

The default value is Automatic .

`-Status <System.String>`

Specifies the status for the service.

The acceptable values for this parameter are as follows:

- Paused . Suspends the service. - Running . Starts the service. - Stopped . Stops the service.

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

Prompts you for confirmation before running ``Set-Service``.

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

Shows what would happen if ``Set-Service`` runs. The cmdlet isn't 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: Change a display name -----

```
Set-Service -Name LanmanWorkstation -DisplayName "LanMan Workstation"
```

``Set-Service`` uses the Name parameter to specify the service's name, LanmanWorkstation . The DisplayName parameter specifies the new display name, LanMan Workstation .

----- Example 2: Change the startup type of services -----

```
Set-Service -Name BITS -StartupType Automatic
```

Get-Service BITS | Select-Object -Property Name, StartType, Status

```
Name StartType Status
```

```
----
```

```
BITS Automatic Running
```

`Set-Service` uses the Name parameter to specify the service's name, BITS .

The StartupType parameter sets the service to Automatic .

`Get-Service` uses the Name parameter to specify the BITS service and sends the object down the pipeline. `Select-Object` uses the Property parameter to display the BITS service's status.

----- Example 3: Change the description of a service -----

```
Get-CimInstance Win32_Service -Filter 'Name = "BITS"' | Format-List Name,
Description
```

```
Name      : BITS
```

```
Description : Transfers files in the background using idle network bandwidth.
```

If the service is

disabled, then any applications that depend on BITS, such as

Windows Update or MSN

Explorer, will be unable to automatically download programs and

other information.

```
Set-Service -Name BITS -Description "Transfers files in the background using
idle network bandwidth."
```

```
Get-CimInstance Win32_Service -Filter 'Name = "BITS"' | Format-List Name,
Description
```

```
Name      : BITS
```

```
Description : Transfers files in the background using idle network bandwidth.
```

`Get-CimInstance` sends the object down the pipeline to `Format-List` and displays the service's name and description. For comparison purposes, the command is run before and after the description is updated.

`Set-Service` uses the Name parameter to specify the BITS service. The Description parameter specifies the updated text for the services' description.

----- Example 4: Start a service -----

```
Set-Service -Name WinRM -Status Running -PassThru
```

Status	Name	DisplayName
Running	WinRM	Windows Remote Management (WS-Manag...

`Set-Service` uses the Name parameter to specify the service, WinRM . The Status parameter uses the value Running to start the service. The PassThru parameter outputs a ServiceController object that displays the results.

----- Example 5: Suspend a service -----

```
Get-Service -Name Schedule | Set-Service -Status Paused
```

`Get-Service` uses the Name parameter to specify the Schedule service, and sends the object down the pipeline. `Set-Service` uses the Status parameter to set the service to Paused .

----- Example 6: Stop a service -----

```
$S = Get-Service -Name Schedule  
Set-Service -InputObject $S -Status Stopped
```

`Get-Service` uses the Name parameter to specify the service, Schedule . The object is stored in the variable, `\$S`. `Set-Service` uses the InputObject parameter and specifies the object stored `\$S`. The Status parameter sets the service to Stopped .

---- Example 7: Set the startup type for multiple services ----

```
Get-Service SQLWriter,spooler |  
  Set-Service -StartupType Automatic -PassThru |  
  Select-Object Name, StartType
```

Name	StartType

spooler	Automatic
SQLWriter	Automatic

REMARKS

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

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

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

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