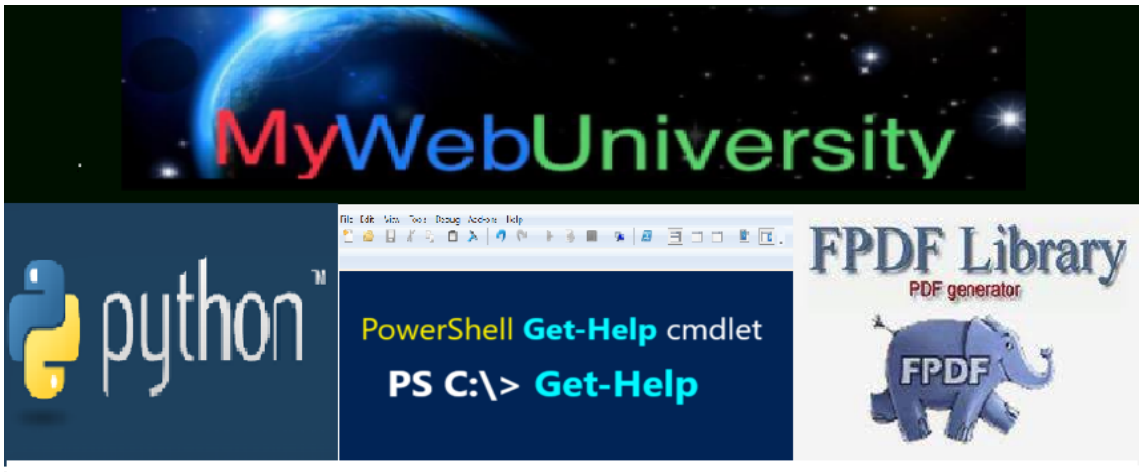

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Windows PowerShell Get-Help on Cmdlet 'Set-Service'

PS:\>Get-HELP Set-Service -Full

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.

Required? false

Position? named

Default value Local computer

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-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`.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-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.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-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 .

Required? false

Position? named

Default value Automatic

Accept pipeline input? False

Accept wildcard characters? false

-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.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

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

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if `Set-Service` runs. The cmdlet isn't 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

System.ServiceProcess.ServiceController

You can pipe a service object to this cmdlet.

System.String

You can pipe a string that contains a service name to this cmdlet.

OUTPUTS

None

By default, this cmdlet returns no output.

System.ServiceProcess.ServiceController

When you use the PassThru parameter, this cmdlet returns a ServiceController object.

NOTES

`Set-Service` requires elevated permissions. Use the Run as administrator option.

`Set-Service` can only control services when the current user has permissions to manage services. If a command doesn't work correctly, you might not have the

required permissions.

To find a service's service name or display name, use `Get-Service`. The service names are in the Name column and the display names are in the DisplayName column.

---------- 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

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/microsoft.powershell.management/set-service?view=powershell-5.1&WT.mc_id=ps-gethelp

Get-Service

New-Service

Restart-Service

Resume-Service

Start-Service

Stop-Service

Suspend-Service