Interpreting PowerShell Help

Jeff Hicks
AUTHOR/TEACHER

@jeffhicks | https://jdhitsolutions.com

NAME
Get-Service

SYNOPSIS
Gets the services on the computer.

SYNTAX
    Get-Service [-DependentServices] -DisplayName <String[]> [-Exclude <String[]>]
[-Include <String[]>] [-RequiredServices] [<CommonParameters>]

    Get-Service [-DependentServices] [-Exclude <String[]>] [-Include <String[]>]
[-InputObject <ServiceController[]>] [-RequiredServices] [<CommonParameters>]

    Get-Service [[-Name] <String[]>] [-DependentServices] [-Exclude <String[]>]
[-Include <String[]>] [-RequiredServices] [<CommonParameters>]

DESCRIPTION
The Get-Service cmdlet gets objects that represent the services on a computer, including
running and stopped services.

You can direct this cmdlet to get only particular services by specifying the service
name or the display name of the services, or you can pipe service objects to this
cmdlet.

```
NAME
    Get-Process

SYNOPSIS
    Gets the processes that are running on the local computer.


SYNTAX
    Get-Process [[-Name] <System.String[]>] [-FileVersionInfo] [-Module]
[<CommonParameters>]

    Get-Process [-FileVersionInfo] -Id <System.Int32[]> [-Module] [<CommonParameters>]

    Get-Process [-FileVersionInfo] -InputObject <System.Diagnostics.Process[]> [-Module]
[<CommonParameters>]

    Get-Process -Id <System.Int32[]> -IncludeUserName [<CommonParameters>]

    Get-Process [[-Name] <System.String[]>] -IncludeUserName [<CommonParameters>]

    Get-Process -IncludeUserName -InputObject <System.Diagnostics.Process[]>
[<CommonParameters>]
```

PS C:\> Help Get-Process –parameter ID,Name

```
-Id <System.Int32[]>
    Specifies one or more processes by process ID (PID). To specify multiple IDs, use
commas to separate the IDs. To find the PID of a process, type `Get-Process`.

    Required?                      true
    Position?                      named
    Default value                  None
    Accept pipeline input?         True (ByPropertyName)
    Accept wildcard characters?    false


-Name <System.String[]>
    Specifies one or more processes by process name. You can type multiple process names
(separated by commas) and use wildcard characters. The parameter name ("Name") is
optional.

    Required?                      false
    Position?                      0
    Default value                  None
    Accept pipeline input?         True (ByPropertyName)
    Accept wildcard characters?    true
```

Demo

Interpreting PowerShell Help

Summary

Often, you can simply run a command

PowerShell will prompt you for required parameters

PowerShell is forgiving and wants to help

If you don't get the result you expect, go back and look at the help

PowerShell help is not perfect
- Some help content is auto-generated
- The rest is human generated which is subject to error