



PowerShell Commands

Scripting: PowerShell Essentials



TRAINING
CENTER



Commands

```
PowerShell 6 (x64)
PS C:\> Get-Service -Name "BITS" -DependentServices -RequiredServices -Include "BITS" -
```

| <u>command</u> | <u>-parameter1 args1</u> | <u>-parameter2</u> | <u>-parameter3</u> | <u>-parameter4 args2</u> |
|----------------|--------------------------|--------------------|--------------------|--------------------------|
| Command Name | Parameter with Argument | Switch Parameter | Switch Parameter | Parameter with Argument |

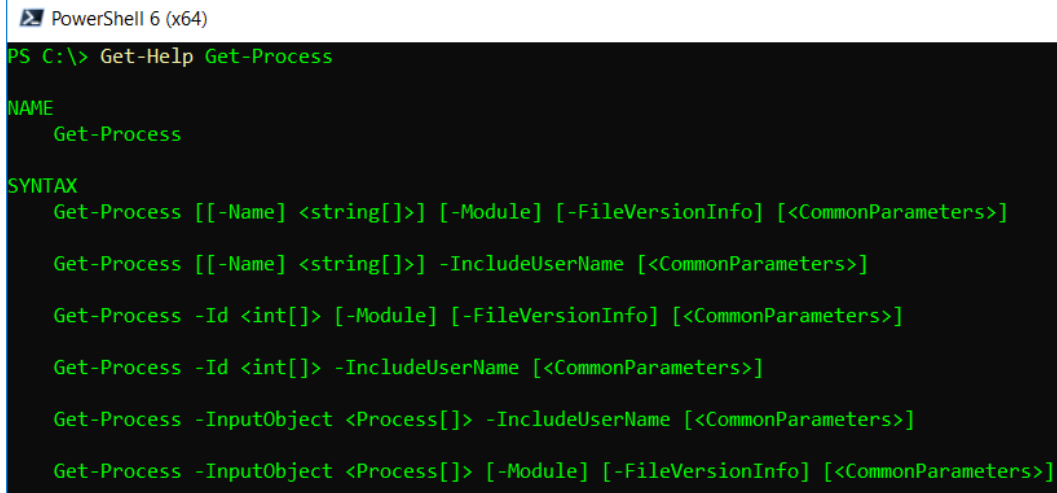
```
PowerShell 6 (x64)
PS C:\> Get-Help Get-Service

NAME
    Get-Service

SYNTAX
    Get-Service [[-Name] <string[]>] [-DependentServices] [-RequiredServices] [-Include <string[]>] [-Exclude <string[]>]
    [<CommonParameters>]
```

Get-Help & Get-Command

<command-name> -<Required Parameter Name> <Required Parameter Value>
[-<Optional Parameter Name> <Optional Parameter Value>]
[-<Optional Switch Parameters>]
[-<Optional Parameter Name>] <Required Parameter Value>



```
PowerShell 6 (x64)
PS C:\> Get-Help Get-Process

NAME
    Get-Process

SYNTAX
    Get-Process [[-Name] <string[]>] [-Module] [-FileVersionInfo] [<CommonParameters>]

    Get-Process [[-Name] <string[]>] -IncludeUserName [<CommonParameters>]

    Get-Process -Id <int[]> [-Module] [-FileVersionInfo] [<CommonParameters>]

    Get-Process -Id <int[]> -IncludeUserName [<CommonParameters>]

    Get-Process -InputObject <Process[]> -IncludeUserName [<CommonParameters>]

    Get-Process -InputObject <Process[]> [-Module] [-FileVersionInfo] [<CommonParameters>]
```

Cmdlet, Function & Alias

PowerShell 6 (x64)

```
PS C:\> Get-Command -Name "Get-ChildItem*" -All
```

| CommandType | Name | Version | Source |
|-------------|----------------|---------|---------------------------------|
| Function | Get-ChildItem2 | | |
| Cmdlet | Get-ChildItem | 6.1.0.0 | Microsoft.PowerShell.Management |

```
PS C:\> Get-Alias -Name @("gci","gci2")
```

| CommandType | Name | Version | Source |
|-------------|------------------------|---------|--------|
| Alias | gci -> Get-ChildItem | | |
| Alias | gci2 -> Get-ChildItem2 | | |