



python



PowerShell

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PowerShell Get-Help on command 'Get-PSPProvider'

PS C:\Users\wahid> Get-Help Get-PSPProvider

NAME

Get-PSPProvider

SYNOPSIS

Gets information about the specified PowerShell provider.

SYNTAX

```
Get-PSPProvider [[-PSPProvider] <System.String[]>] [<CommonParameters>]
```

DESCRIPTION

The `Get-PSPProvider` cmdlet gets the PowerShell providers in the current session. You can get a particular drive or all drives in the session.

PowerShell providers let you access a variety of data stores as though they were file system drives. For information about PowerShell providers, see `about_Providers` (`../Microsoft.PowerShell.Core/About/about_Providers.md`).

PARAMETERS

-PSPProvider <System.String[]>

Specifies the name or names of the PowerShell providers about which this cmdlet gets information.

<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: Display a list of all available providers -----

Get-PSPProvider

This command displays a list of all available PowerShell providers.

Example 2: Display a list of all PowerShell providers that begin with specified letters

Get-PSPProvider f*, r* | Format-List

This command displays a list of all PowerShell providers with names that begin with the letter `f` or `r`.

Example 3: Find snap-ins or module that added providers to your session

Get-PSPProvider | Format-Table Name, Module, PSSnapIn -AutoSize

Name	Module	PSSnapIn
-----	-----	-----
Registry		Microsoft.PowerShell.Core
Alias		Microsoft.PowerShell.Core
Environment		Microsoft.PowerShell.Core
FileSystem		Microsoft.PowerShell.Core
Function		Microsoft.PowerShell.Core

```
Variable          Microsoft.PowerShell.Core
Certificate Microsoft.PowerShell.Security
WSMan      Microsoft.WSMan.Management
```

```
Get-PSPProvider | Where {$_.ModuleName -eq "Microsoft.PowerShell.Security"}
```

Name	Capabilities	Drives
-----	-----	-----
Certificate	ShouldProcess	{cert}

These commands find the PowerShell snap-ins or modules that added providers to your session. All PowerShell elements, including providers, originate in a snap-in or in a module.

These commands use the PSSnapin and Module properties of the ProviderInfo object that `Get-PSPProvider` returns. The values of these properties contain the name of the snap-in or module that adds the provider.

The first command gets all of the providers in the session and formats them in a table with the values of their Name, Module, and PSSnapin properties.

The second command uses the `Where-Object` cmdlet to get the providers that come from the Microsoft.PowerShell.Security snap-in.

Example 4: Resolve the path of the Home property of the file system provider

```
C:\> Resolve-Path ~
```

```
Path
```

```
----
```

```
C:\Users\User01
```

```
PS C:\> (get-psprovider FileSystem).home
```

C:\Users\User01

This example shows that the tilde symbol (~) represents the value of the Home property of the FileSystem provider. The Home property value is optional, but for the FileSystem provider, it is defined as

`\$env:HOMEDRIVE\\$env:HOME` or `\$HOME`.

REMARKS

To see the examples, type: "get-help Get-PSPProvider -examples".

For more information, type: "get-help Get-PSPProvider -detailed".

For technical information, type: "get-help Get-PSPProvider -full".

For online help, type: "get-help Get-PSPProvider -online"