PowerShell Get-Help on command 'Get-Help'

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

NAME

    Get-Help

SYNOPSIS

    Displays information about PowerShell commands and concepts.

SYNTAX

    Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |

    General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |

    ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |

    Configuration}] [-Component <System.String[]>] -Detailed [-Functionality

    <System.String[]>] [-Path <System.String>] [-Role <System.String[]>]

    [<CommonParameters>]

    Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |

    General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |

    ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |

    Configuration}] [-Component <System.String[]>] -Examples [-Functionality

    <System.String[]>] [-Path <System.String>] [-Role <System.String[]>]

    [<CommonParameters>]

Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |
General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |
ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |
Configuration}] [-Component <System.String[]>] [-Full] [-Functionality
<System.String[]>] [-Path <System.String>] [-Role <System.String[]>]
[<CommonParameters>]

Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |
General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |
ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |
Configuration}] [-Component <System.String[]>] [-Functionality
<System.String[]>] -Online [-Path <System.String>] [-Role <System.String[]>]
[<CommonParameters>]

Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |
General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |
ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |
Configuration}] [-Component <System.String[]>] [-Functionality
<System.String[]>] -Parameter <System.String> [-Path <System.String>] [-Role
<System.String[]>] [<CommonParameters>]

Get-Help [[-Name] <System.String>] [-Category {Alias | Cmdlet | Provider |
General | FAQ | Glossary | HelpFile | ScriptCommand | Function | Filter |
ExternalScript | All | DefaultHelp | Workflow | DscResource | Class |
Configuration}] [-Component <System.String[]>] [-Functionality
<System.String[]>] [-Path <System.String>] [-Role <System.String[]>]
-ShowWindow [<CommonParameters>]

DESCRIPTION

The `Get-Help` cmdlet displays information about PowerShell concepts and

commands, including cmdlets, functions, Common Information Model (CIM)

commands, workflows, providers, aliases, and scripts.

To get help for a PowerShell cmdlet, type `Get-Help` followed by the cmdlet name, such as: `Get-Help Get-Process`.

Conceptual help articles in PowerShell begin with about_ , such as about_Comparison_Operators . To see all about_ articles, type `Get-Help about_*`. To see a particular article, type `Get-Help about_<article-name>`, such as `Get-Help about_Comparison_Operators`.

To get help for a PowerShell provider, type `Get-Help` followed by the provider name. For example, to get help for the Certificate provider, type `Get-Help Certificate`.

You can also type `help` or `man`, which displays one screen of text at a time. Or, `<cmdlet-name> -?`, that's identical to `Get-Help`, but only works for cmdlets.

`Get-Help` gets the help content that it displays from help files on your computer. Without the help files, `Get-Help` displays only basic information about cmdlets. Some PowerShell modules include help files. Beginning in PowerShell 3.0, the modules that come with the Windows operating system don't include help files. To download or update the help files for a module in PowerShell 3.0, use the `Update-Help` cmdlet.

You can also view the PowerShell help documents online. To get the online version of a help file, use the Online parameter, such as: `Get-Help Get-Process -Online`.

If you type `Get-Help` followed by the exact name of a help article, or by a word unique to a help article, `Get-Help` displays the article's content. If you specify the exact name of a command alias, `Get-Help` displays the help for the original command. If you enter a word or word pattern that appears in

several help article titles, `Get-Help` displays a list of the matching
titles. If you enter any text that doesn't appear in any help article titles,
`Get-Help` displays a list of articles that include that text in their
contents.

`Get-Help` can get help articles for all supported languages and locales.
`Get-Help` first looks for help files in the locale set for Windows, then in
the parent locale, such as pt for pt-BR , and then in a fallback locale.
Beginning in PowerShell 3.0, if `Get-Help` doesn't find help in the fallback
locale, it looks for help articles in English, en-US , before it returns an
error message or displaying autogenerated help.

For information about the symbols that `Get-Help` displays in the command
syntax diagram, see about_Command_Syntax (./About/about_Command_Syntax.md).
For information about parameter attributes, such as Required and Position ,
see about_Parameters (./About/about_Parameters.md).

> [!NOTE] > In PowerShell 3.0 and PowerShell 4.0, `Get-Help` can't find About
articles in modules unless > the module is imported into the current session.
To get About articles in a module, import the > module using the
`Import-Module` cmdlet or by running a cmdlet that's included in the module.

Beginning with PSReadLine v2.2.2, the module ships with two functions that
provide quick access to help while you are typing a command on the command
line. The help is displayed in the terminal in an alternate screen buffer with
paging.

When you hit the <kbd>F1</kbd> key, the PSReadLine `ShowCommandHelp` function
invokes `Get-Help -Full` for the cmdlet name closest to the left of the
cursor. When the cursor is immediately to the left of a parameter, the
function jumps to that parameter's description in the full help topic. When
you hit <kbd>Q</kbd> to exit the help view, you are returned to the command
line at the same cursor position so you can continue typing the command.

When you use the key combination <kbd>Alt</kbd>+<kbd>h</kbd>, the PSReadLine
`ShowParameterHelp` function displays help information for the parameter
immediately to the left of the cursor. The help text is displayed below the
command line. This allows you to see the description of the parameter and
continue typing your command.

For more information, see Using dynamic help
(/powershell/scripting/learn/shell/dynamic-help).

PARAMETERS

  -Category <System.String[]>

    Displays help only for items in the specified category and their aliases.
    Conceptual articles are in the HelpFile category.

    The acceptable values for this parameter are as follows:

    - Alias

    - Cmdlet

    - Provider

    - General

    - FAQ

    - Glossary

    - HelpFile

    - ScriptCommand

- Function

- Filter

- ExternalScript

- All

- DefaultHelp

- Workflow

- DscResource

- Class

- Configuration

-Component <System.String[]>
   Displays commands with the specified component value, such as Exchange .
   Enter a component name. Wildcard characters are permitted. This parameter
   has no effect on displays of conceptual (About_) help.

-Detailed <System.Management.Automation.SwitchParameter>
   Adds parameter descriptions and examples to the basic help display. This
   parameter is effective only when the help files are installed on the
   computer. It has no effect on displays of conceptual (About_) help.

-Examples <System.Management.Automation.SwitchParameter>
   Displays only the name, synopsis, and examples. This parameter is
   effective only when the help files are installed on the computer. It has
   no effect on displays of conceptual (About_) help.

-Full <System.Management.Automation.SwitchParameter>

    Displays the entire help article for a cmdlet. Full includes parameter

    descriptions and attributes, examples, input and output object types, and

    additional notes.

    This parameter is effective only when the help files are installed on the

    computer. It has no effect on displays of conceptual (About_) help.

-Functionality <System.String[]>

    Displays help for items with the specified functionality. Enter the

    functionality. Wildcard characters are permitted. This parameter has no

    effect on displays of conceptual (About_) help.

-Name <System.String>

    Gets help about the specified command or concept. Enter the name of a

    cmdlet, function, provider, script, or workflow, such as `Get-Member`, a

    conceptual article name, such as `about_Objects`, or an alias, such as

    `ls`. Wildcard characters are permitted in cmdlet and provider names, but

    you can't use wildcard characters to find the names of function help and

    script help articles.

    To get help for a script that isn't located in a path that's listed in the

    `$env:Path` environment variable, type the script's path and file name.

    If you enter the exact name of a help article, `Get-Help` displays the

    article contents.

    If you enter a word or word pattern that appears in several help article

    titles, `Get-Help` displays a list of the matching titles.

    If you enter any text that doesn't match any help article titles,

    `Get-Help` displays a list of articles that include that text in their

    contents.

The names of conceptual articles, such as `about_Objects`, must be entered in English, even in non-English versions of PowerShell.

-Online <System.Management.Automation.SwitchParameter>
   Displays the online version of a help article in the default browser. This parameter is valid only for cmdlet, function, workflow, and script help articles. You can't use the Online parameter with `Get-Help` in a remote session.

   For information about supporting this feature in help articles that you write, see about_Comment_Based_Help (./About/about_Comment_Based_Help.md), and Supporting Online Help (/powershell/scripting/developer/module/supporting-online-help), and Writing Help for PowerShell Cmdlets (/powershell/scripting/developer/help/w riting-help-for-windows-powershell-cmdlets).

-Parameter <System.String>
   Displays only the detailed descriptions of the specified parameters. Wildcards are permitted. This parameter has no effect on displays of conceptual (About_) help.

-Path <System.String>
   Gets help that explains how the cmdlet works in the specified provider path. Enter a PowerShell provider path.

   This parameter gets a customized version of a cmdlet help article that explains how the cmdlet works in the specified PowerShell provider path. This parameter is effective only for help about a provider cmdlet and only when the provider includes a custom version of the provider cmdlet help article in its help file. To use this parameter, install the help file for the module that includes the provider.

To see the custom cmdlet help for a provider path, go to the provider path

location and enter a `Get-Help` command or, from any path location, use

the Path parameter of `Get-Help` to specify the provider path. You can

also find custom cmdlet help online in the provider help section of the

help articles.

For more information about PowerShell providers, see about_Providers

(./About/about_Providers.md).

> [!NOTE] > The provider for the path specified must have a PowerShell

provider help file installed. If no > provider help file is available, no

help information is returned. There are no provider help files > available

for the providers included with this version of PowerShell.

-Role <System.String[]>

Displays help customized for the specified user role. Enter a role.

Wildcard characters are permitted.

Enter the role that the user plays in an organization. Some cmdlets

display different text in their help files based on the value of this

parameter. This parameter has no effect on help for the core cmdlets.

-ShowWindow <System.Management.Automation.SwitchParameter>

Displays the help topic in a window for easier reading. The window

includes a Find search feature and a Settings box that lets you set

options for the display, including options to display only selected

sections of a help topic.

The ShowWindow parameter supports help topics for commands (cmdlets,

functions, CIM commands, workflows, scripts) and conceptual About

articles. It doesn't support provider help.

This parameter was introduced in PowerShell 3.0.

<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 basic help information about a cmdlet ---

Get-Help Format-Table

Get-Help -Name Format-Table

Format-Table -?

`Get-Help <cmdlet-name>` is the simplest and default syntax of `Get-Help`

cmdlet. You can omit the Name parameter.

The syntax `<cmdlet-name> -?` works only for cmdlets.

--- Example 2: Display basic information one page at a time ---

help Format-Table

man Format-Table

Get-Help Format-Table | Out-Host -Paging

`help` is a function that runs `Get-Help` cmdlet internally and displays the

result one page at a time.

`man` is an alias for the `help` function.

`Get-Help Format-Table` sends the object down the pipeline. `Out-Host -Paging`

receives the output from the pipeline and displays it one page at a time. For

more information, see Out-Host (Out-Host.md).

------- Example 3: Display more information for a cmdlet -------

Get-Help Format-Table -Detailed

Get-Help Format-Table -Full

The Detailed parameter displays the help article's detailed view that includes

parameter descriptions and examples.

The Full parameter displays the help article's full view that includes

parameter descriptions, examples, input and output object types, and

additional notes.

The Detailed and Full parameters are effective only for the commands that have

help files installed on the computer. The parameters aren't effective for the

conceptual (about_) help articles.

Example 4: Display selected parts of a cmdlet by using parameters

Get-Help Format-Table -Examples

Get-Help Format-Table -Parameter *

Get-Help Format-Table -Parameter GroupBy

The Examples parameter displays the help file's NAME and SYNOPSIS sections,

and all the Examples. You can't specify an Example number because the Examples

parameter is a switch parameter.

The Parameter parameter displays only the descriptions of the specified

parameters. If you specify only the asterisk (`*`) wildcard character, it

displays the descriptions of all parameters. When Parameter specifies a

parameter name such as GroupBy , information about that parameter is shown.

These parameters aren't effective for the conceptual (about_) help articles.

---------- Example 5: Display online version of help ----------

Get-Help Format-Table -Online

-------- Example 6: Display help about the help system --------

Get-Help

---------- Example 7: Display available help articles ----------

Get-Help *

------- Example 8: Display a list of conceptual articles -------

Get-Help about_*

--------- Example 9: Search for a word in cmdlet help ---------

Get-Help Add-Member -Full | Out-String -Stream | Select-String -Pattern Clixml

the Export-Clixml cmdlet to save the instance of the object, including the
additional members...
can use the Import-Clixml cmdlet to re-create the instance of the object from
the information...
Export-Clixml
Import-Clixml

`Get-Help` uses the Full parameter to get help information for `Add-Member`.
The MamlCommandHelpInfo object is sent down the pipeline. `Out-String` uses
the Stream parameter to convert the object into a string. `Select-String` uses
the Pattern parameter to search the string for Clixml .
-- Example 10: Display a list of articles that include a word --

Get-Help -Name remoting

Name	Category	Module	Synopsis
----	--------	------	--------
Install-PowerShellRemoting.ps1	External		
Install-PowerShellRemoting.ps1			
Disable-PSRemoting	Cmdlet	Microsoft.PowerShell.Core	Prevents
remote users...			
Enable-PSRemoting	Cmdlet	Microsoft.PowerShell.Core	
Configures the computer...			

---------- Example 11: Display provider-specific help ----------

Get-Help Get-Item -Path SQLSERVER:\DataCollection

NAME

   Get-Item

SYNOPSIS

   Gets a collection of Server objects for the local computer and any

computers

   to which you have made a SQL Server PowerShell connection.

   ...

Set-Location SQLSERVER:\DataCollection
SQLSERVER:\DataCollection> Get-Help Get-Item

NAME

Get-Item

SYNOPSIS

Gets a collection of Server objects for the local computer and any computers

to which you have made a SQL Server PowerShell connection.

...

------------ Example 12: Display help for a script ------------

Get-Help -Name C:\PS-Test\MyScript.ps1

REMARKS
To see the examples, type: "get-help Get-Help -examples".
For more information, type: "get-help Get-Help -detailed".
For technical information, type: "get-help Get-Help -full".
For online help, type: "get-help Get-Help -online"