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PowerShell

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PowerShell Get-Help on command 'Get-Alias'

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

NAME

Get-Alias

SYNOPSIS

Gets the aliases for the current session.

SYNTAX

```
Get-Alias [-Definition <System.String[]>] [-Exclude <System.String[]>] [-Scope  
<System.String>] [<CommonParameters>]
```

```
Get-Alias [[-Name] <System.String[]>] [-Exclude <System.String[]>] [-Scope  
<System.String>] [<CommonParameters>]
```

DESCRIPTION

The `Get-Alias` cmdlet gets the aliases in the current session. This includes built-in aliases, aliases that you have set or imported, and aliases that you have added to your PowerShell profile.

By default, `Get-Alias` takes an alias and returns the command name. When you

use the Definition parameter, ``Get-Alias`` takes a command name and returns its aliases.

Beginning in Windows PowerShell 3.0, ``Get-Alias`` displays non-hyphenated alias names in an ``<alias> -> <definition>`` format to make it even easier to find the information that you need.

PARAMETERS

`-Definition <System.String[]>`

Gets the aliases for the specified item. Enter the name of a cmdlet, function, script, file, or executable file.

This parameter is called `Definition`, because it searches for the item name in the `Definition` property of the alias object.

`-Exclude <System.String[]>`

Omits the specified items. The value of this parameter qualifies the `Name` and `Definition` parameters. Enter a name, a definition, or a pattern, such as `"s*"`. Wildcards are permitted.

`-Name <System.String[]>`

Specifies the aliases that this cmdlet gets. Wildcards are permitted. By default, ``Get-Alias`` retrieves all aliases defined for the current session. The parameter name `Name` is optional. You can also pipe alias names to ``Get-Alias``.

`-Scope <System.String>`

Specifies the scope for which this cmdlet gets aliases. The acceptable values for this parameter are:

- ``Global``

- `Local`

- `Script`

- A number relative to the current scope (0 through the number of scopes, where 0 is the current

scope and 1 is its parent)

`Local` is the default. For more information, see `about_Scopes` (`../Microsoft.PowerShell.Core/About/about_Scopes.md`).

<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: Get all aliases in the current session -----

Get-Alias

CommandType	Name
-----	----
Alias	% -> ForEach-Object
Alias	? -> Where-Object
Alias	ac -> Add-Content
Alias	asnp -> Add-PSSnapin
Alias	cat -> Get-Content
Alias	cd -> Set-Location
Alias	chdir -> Set-Location
Alias	clc -> Clear-Content
Alias	clear -> Clear-Host

Alias clhy -> Clear-History

...

This command gets all aliases in the current session.

The output shows the ``<alias> -> <definition>`` format that was introduced in Windows PowerShell 3.0. This format is used only for aliases that do not include hyphens, because aliases with hyphens are typically preferred names for cmdlets and functions, rather than nicknames.

----- Example 2: Get aliases by name -----

```
Get-Alias -Name gp*, sp* -Exclude *ps
```

This command gets all aliases that begin with gp or sp, except for aliases that end with ps.

----- Example 3: Get aliases for a cmdlet -----

```
Get-Alias -Definition Get-ChildItem
```

This command gets the aliases for the `Get-ChildItem` cmdlet.

By default, the `Get-Alias` cmdlet gets the item name when you know the alias.

The Definition parameter gets the alias when you know the item name.

----- Example 4: Get aliases by property -----

```
Get-Alias | Where-Object {$_.Options -Match "ReadOnly"}
```

This command gets all aliases in which the value of the Options property is ReadOnly . This command provides a quick way to find the aliases that are built into PowerShell, because they have the ReadOnly option. Options is just one property of the AliasInfo objects that `Get-Alias` gets. To find all properties and methods of AliasInfo objects, type `Get-Alias | get-member` .

Example 5: Get aliases by name and filter by beginning letter

Get-Alias -Definition "*-PSSession" -Exclude e* -Scope Global

This example gets aliases for commands that have names that end in "-PSSession", except for those that begin with "e".

The command uses the Scope parameter to apply the command in the global scope.

This is useful in scripts when you want to get the aliases in the session.

REMARKS

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

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

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

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