



python



PowerShell

FPDF Library
PDF generator

Full credit is given to the above companies including the OS that this PDF file was generated!

PowerShell Get-Help on command 'Get-PSCallStack'

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

NAME

Get-PSCallStack

SYNOPSIS

Displays the current call stack.

SYNTAX

Get-PSCallStack [<CommonParameters>]

DESCRIPTION

The ``Get-PSCallStack`` cmdlet displays the current call stack.

Although it is designed to be used with the Windows PowerShell debugger, you can use this cmdlet to display the call stack in a script or function outside of the debugger.

To run a ``Get-PSCallStack`` command while in the debugger, type ``k`` or ``Get-PSCallStack``.

PARAMETERS

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

----- Example 1: Get the call stack for a function -----

```
PS C:\> function my-alias {  
$p = $args[0]  
Get-Alias | where {$_.definition -like "$p"} | format-table definition, name  
-auto  
}
```

```
PS C:\ps-test> Set-PSBreakpoint -Command my-alias
```

```
Command   : my-alias
```

```
Action    :
```

```
Enabled   : True
```

```
HitCount  : 0
```

```
Id        : 0
```

```
Script    : prompt PS C:\> my-alias Get-Content
```

```
Entering debug mode. Use h or ? for help.
```

```
Hit Command breakpoint on 'prompt:my-alias'
```

```
my-alias get-content
```

```
[DBG]: PS C:\ps-test> s
```

```
$p = $args[0]
```

```
DEBUG: Stepped to ' : $p = $args[0] '
```

```
[DBG]: PS C:\ps-test> s
```

```
get-alias | Where {$_.Definition -like "$p*"} | format-table Definition,
```

```
[DBG]: PS C:\ps-test>get-pscallstack
```

Name	CommandLineParameters	UnboundArguments
prompt	{}	prompt
my-alias	{}	{get-content} prompt
prompt	{}	prompt

```
PS C:\> [DBG]: PS C:\ps-test> o
```

Definition Name

- Get-Content gc
- Get-Content cat
- Get-Content type

This command uses the ``Get-PSCallStack`` cmdlet to display the call stack for ``My-Alias``, a simple function that gets the aliases for a cmdlet name.

The first command enters the function at the Windows PowerShell prompt. The second command uses the ``Set-PSBreakpoint`` cmdlet to set a breakpoint on the ``My-Alias`` function. The third command uses the ``My-Alias`` function to get all of the aliases in the current session for the ``Get-Content`` cmdlet.

The debugger breaks in at the function call. Two consecutive ``step-into`` (``s``) commands begin executing the function line by line. Then, a ``Get-PSCallStack`` command is used to retrieve the call stack.

The final command is a ``Step-Out`` command (``o``) that exits the debugger and continues executing the script to completion.

REMARKS

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

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

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

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