## PowerShell Get-Help on command 'Get-PSBreakpoint'

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

NAME

  Get-PSBreakpoint

SYNOPSIS

  Gets the breakpoints that are set in the current session.

SYNTAX

  Get-PSBreakpoint -Command <System.String[]> [-Script <System.String[]>]

  [<CommonParameters>]


  Get-PSBreakpoint [-Id] <System.Int32[]> [<CommonParameters>]


  Get-PSBreakpoint [-Script <System.String[]>] [<CommonParameters>]


  Get-PSBreakpoint [-Script <System.String[]>] -Variable <System.String[]>

  [<CommonParameters>]


  Get-PSBreakpoint [-Type] {Line | Variable | Command} [-Script

  <System.String[]>] [<CommonParameters>]

DESCRIPTION

The `Get-PSBreakPoint` cmdlet gets the breakpoints that are set in the current

session. You can use the cmdlet parameters to get particular breakpoints.


A breakpoint is a point in a command or script where execution stops

temporarily so that you can examine the instructions. `Get-PSBreakpoint` is

one of several cmdlets designed for debugging PowerShell scripts and commands.

For more information about the PowerShell debugger, see about_Debuggers

(../microsoft.powershell.core/about/about_debuggers.md).



PARAMETERS

  -Command <System.String[]>

    Specifies an array of command breakpoints that are set on the specified

    command names. Enter the command names, such as the name of a cmdlet or

    function.


  -Id <System.Int32[]>

    Specifies the breakpoint IDs that this cmdlet gets. Enter the IDs in a

    comma-separated list. You can also pipe breakpoint IDs to

    `Get-PSBreakpoint`.


  -Script <System.String[]>

    Specifies an array of scripts that contain the breakpoints. Enter the path

    (optional) and names of one or more script files. If you omit the path,

    the default location is the current directory.


  -Type <Microsoft.PowerShell.Commands.BreakpointType[]>

    Specifies an array of breakpoint types that this cmdlet gets. Enter one or

    more types. The acceptable values for this parameter are:

    - Line

- Command

- Variable

You can also pipe breakpoint types to `Get-PSBreakPoint`.

-Variable <System.String[]>
   Specifies an array of variable breakpoints that are set on the specified

   variable names. Enter the variable names without dollar signs.

<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 breakpoints for all scripts and functions -

Get-PSBreakpoint

--------------- Example 2: Get breakpoints by ID ---------------

Get-PSBreakpoint -Id 2

Function        :
IncrementAction  :
Enabled         :
TrueHitCount     : 0
Id              : 2

```
Script          : C:\ps-test\sample.ps1
ScriptName      : C:\ps-test\sample.ps1
```

--------- Example 3: Pipe an ID to `Get-PSBreakpoint` ---------

```
$B = `Set-PSBreakpoint` -Script "sample.ps1" -Command "Increment"
$B.Id | Get-PSBreakpoint
```

The `Set-PSBreakpoint` cmdlet creates a breakpoint on the Increment function

in the `Sample.ps1` script and saves the breakpoint object in the `$B`

variable. The Id property of the breakpoint object in the `$B` variable is

piped to the `Get-PSBreakpoint` cmdlet to display the breakpoint information.

----- Example 4: Get breakpoints in specified script files -----

```
Get-PSBreakpoint -Script "Sample.ps1, SupportScript.ps1"
```

This command does not get other breakpoints that might be set in other scripts

or on functions in the session.

------- Example 5: Get breakpoints in specified cmdlets -------

```
Get-PSBreakpoint -Command "Read-Host, Write-Host" -Script "Sample.ps1"
```

---- Example 6: Get Command breakpoints in a specified file ----

```
Get-PSBreakpoint -Type Command -Script "Sample.ps1"
```

This command gets all Command breakpoints in the Sample.ps1 file.

------------ Example 7: Get breakpoints by variable ------------

```
Get-PSBreakpoint -Variable "Index, Swap"
```

-- Example 8: Get all Line and Variable breakpoints in a file --


Get-PSBreakpoint -Type Line, Variable -Script "Sample.ps1"



REMARKS

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

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

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

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