



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 'Set-PSDebug'

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

NAME

Set-PSDebug

SYNOPSIS

Turns script debugging features on and off, sets the trace level, and toggles strict mode.

SYNTAX

Set-PSDebug [-Off] [<CommonParameters>]

Set-PSDebug [-Step] [-Strict] [-Trace <System.Int32>] [<CommonParameters>]

DESCRIPTION

The `Set-PSDebug` cmdlet turns script debugging features on and off, sets the trace level, and toggles strict mode. By default, the PowerShell debug features are off.

When the Trace parameter has a value of `1`, each line of script is traced as it runs. When the parameter has a value of `2`, variable assignments, function

calls, and script calls are also traced. If the Step parameter is specified, you're prompted before each line of the script runs.

PARAMETERS

`-Off <System.Management.Automation.SwitchParameter>`

Turns off all script debugging features.

`-Step <System.Management.Automation.SwitchParameter>`

Turns on script stepping. Before each line runs, PowerShell prompts you to stop, continue, or enter a new interpreter level to inspect the state of the script.

Specifying the Step parameter automatically sets a trace level of `1`.

`-Strict <System.Management.Automation.SwitchParameter>`

Specifies that variables must be assigned a value before being referenced in a script. If a variable is referenced before a value is assigned, PowerShell returns an exception error. This is equivalent to `Set-StrictMode -Version 1`. For more information, see [Set-StrictMode \(Set-StrictMode.md\)](#).

`-Trace <System.Int32>`

Specifies the trace level for each line in a script. Each line is traced as it's run.

The acceptable values for this parameter are as follows:

- 0: Turn script tracing off.

- 1: Trace script lines as they run.

- 2: Trace script lines, variable assignments, function calls, and scripts.

<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: Set the trace level -----

```
Set-PSDebug -Trace 2; foreach ($i in 1..3) {$i}
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ($i in >>>> 1..3) {$i}
```

```
DEBUG: ! SET $foreach = 'IEnumerator'.
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ( >>>> $i in 1..3) {$i}
```

```
DEBUG: ! SET $i = '1'.
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ($i in 1..3) { >>>> $i}
```

```
1
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ( >>>> $i in 1..3) {$i}
```

```
DEBUG: ! SET $i = '2'.
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ($i in 1..3) { >>>> $i}
```

```
2
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ( >>>> $i in 1..3) {$i}
```

```
DEBUG: ! SET $i = '3'.
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ($i in 1..3) { >>>> $i}
```

```
3
```

```
DEBUG: 1+ Set-PSDebug -Trace 2; foreach ( >>>> $i in 1..3) {$i}
```

```
DEBUG: ! SET $foreach = ''.
```

----- Example 2: Turn on stepping -----

```
Set-PSDebug -Step; foreach ($i in 1..3) {$i}
```

Continue with this operation?

```
1+ Set-PSDebug -Step; foreach ($i in >>>> 1..3) {$i}
```

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): A

```
DEBUG: 1+ Set-PSDebug -Step; foreach ($i in >>>> 1..3) {$i}
```

```
1  
2  
3
```

----- Example 3: Use strict mode -----

```
Set-PSDebug -Strict; $NewVar
```

The variable '\$NewVar' cannot be retrieved because it has not been set.

At line:1 char:22

```
+ Set-PSDebug -Strict; $NewVar
```

----- Example 4: Turn off debug features -----

```
Set-PSDebug -Off; foreach ($i in 1..3) {$i}
```

```
1  
2  
3
```

REMARKS

To see the examples, type: "get-help Set-PSDebug -examples".

For more information, type: "get-help Set-PSDebug -detailed".

For technical information, type: "get-help Set-PSDebug -full".

For online help, type: "get-help Set-PSDebug -online"

