PowerShell in Visual Studio Code Jump Start

POWERSHELL SATURDAY CHATTANOOGA 2018

Tim Warner
AUTHOR EVANGELIST, PLURALSIGHT
@TechTrainerTim timw.info

MVP Microsoft Most Valuable Professional

Microsoft CERTIFIED
Trainer
Solutions Expert
Cloud Platform and Infrastructure

Overview

- Understand Visual Studio Code
- Set up VSCode for PowerShell development
- VSCode PowerShell Tips and Tricks
- PowerShell debugging in VSCode

Session Materials

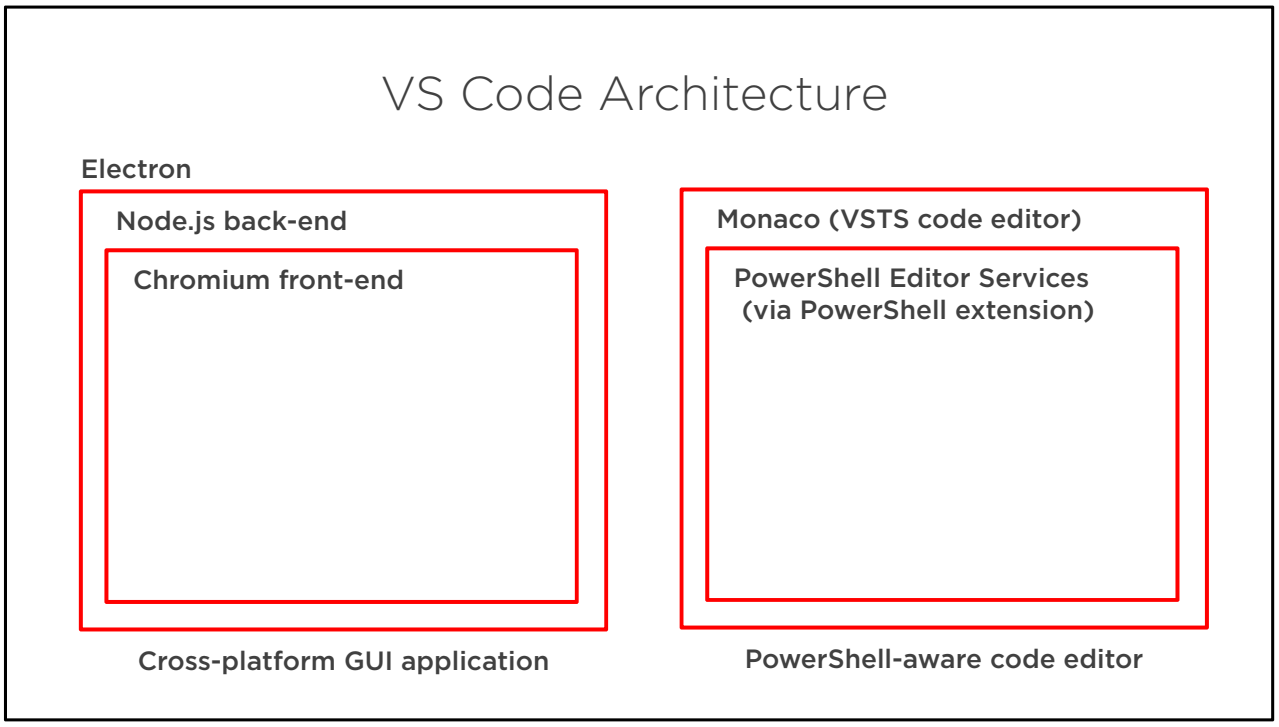
timw.info/vsc

Understand Visual Studio Code

What is Visual Studio Code?

- Cross-platform source code editor
- FOSS (proprietary installer)
- Syntax highlighting and code completion
- Embedded Git source code control
- Rich debugger
- Eminently customizable

VS Code Architecture

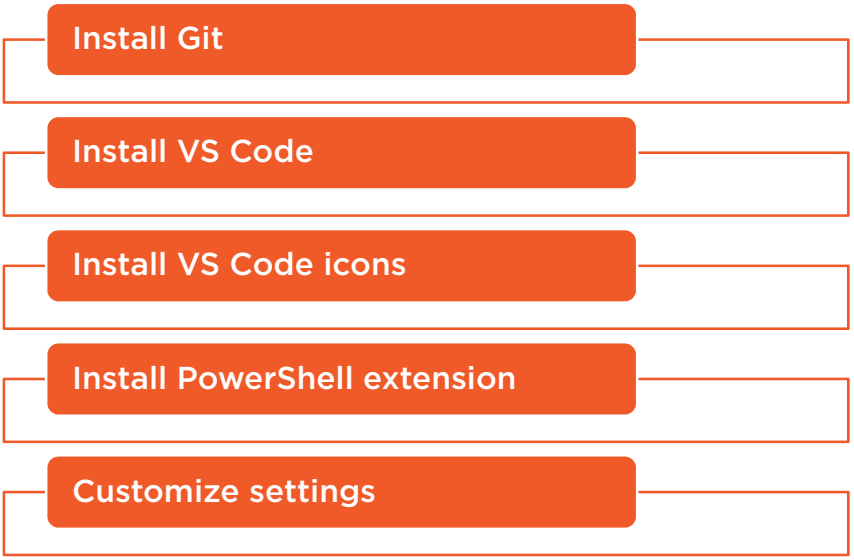


But What About PowerShell ISE?

timw.info/psc

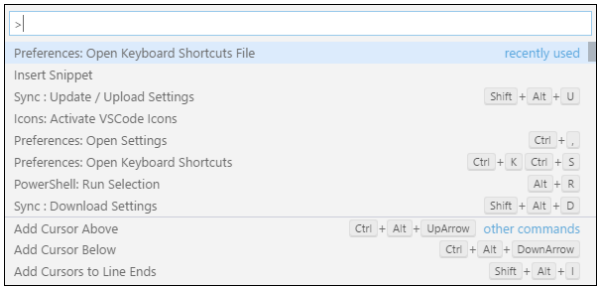
Set Up VSCode for PowerShell Development

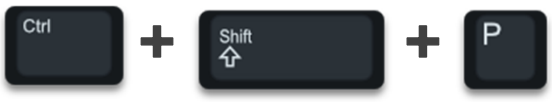
VSC Setup – CliffsNotes Version



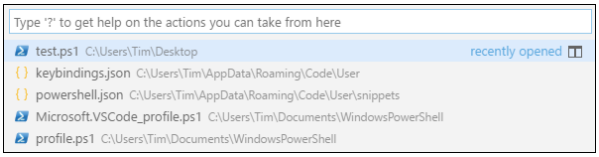
VSC Navigation

Command Palette

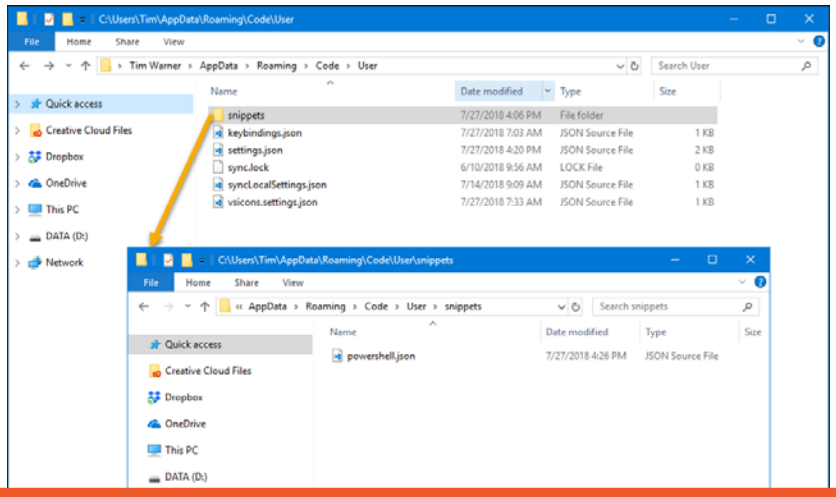




Quick Open



VSC Settings Files



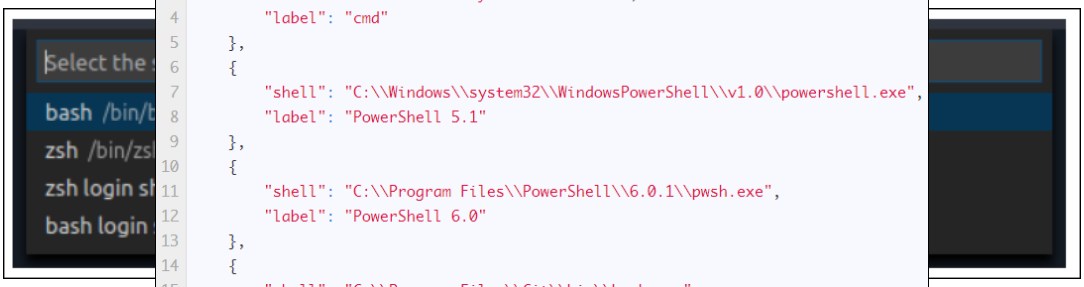
C:\Users\<user>\AppData\Roaming\Code\User

Target a PowerShell Version

```
"powershell.powerShellExePath": “C:/Program Files/PowerShell/
                                                <version>/pwsh.exe"


"terminal.integrated.shell.windows": “C:/Program Files/PowerShell/
                                                <version>/pwsh.exe"
```

Shell Launcher Extension




```
"shellLauncher.shells.windows": [
    {
        "shell": "C:\\Windows\\system32\\cmd.exe",
        "label": "cmd"
    },
    {
        "shell": "C:\\Windows\\system32\\WindowsPowerShell\\v1.0\\powershell.exe",
        "label": "PowerShell 5.1"
    },
    {
        "shell": "C:\\Program Files\\PowerShell\\6.0.1\\pwsh.exe",
        "label": "PowerShell 6.0"
    },
    {
        "shell": "C:\\Program Files\\Git\\bin\\bash.exe",
        "label": "Git bash"
    },

],
```

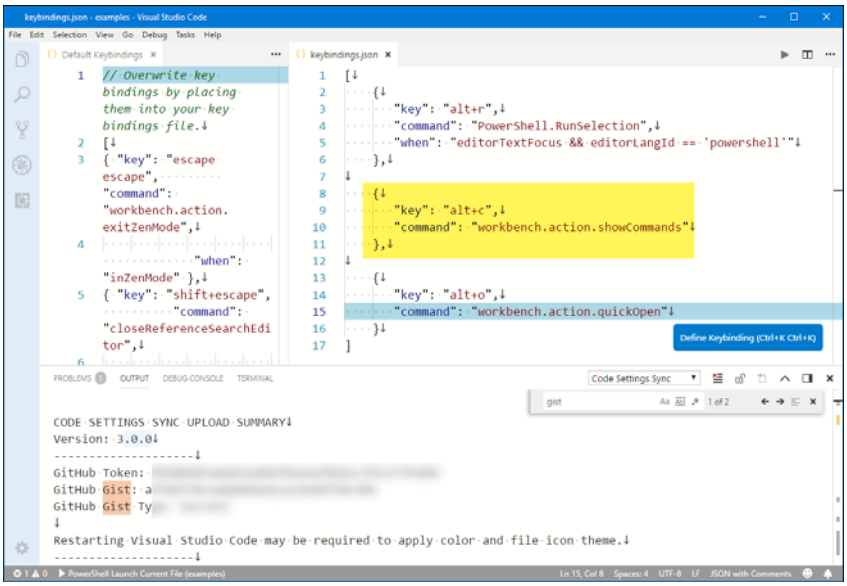
"With Visual Studio Code, expect change. Often."

The World According to Tim

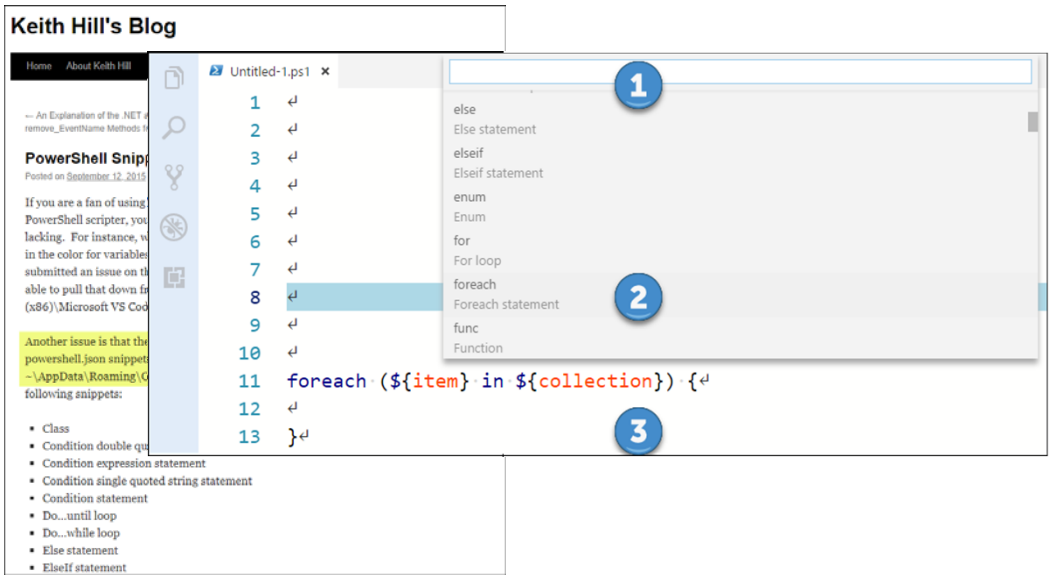
Submit issues and feature requests at github.com/Microsoft/vscode

VSCode for PowerShell Tips and Tricks

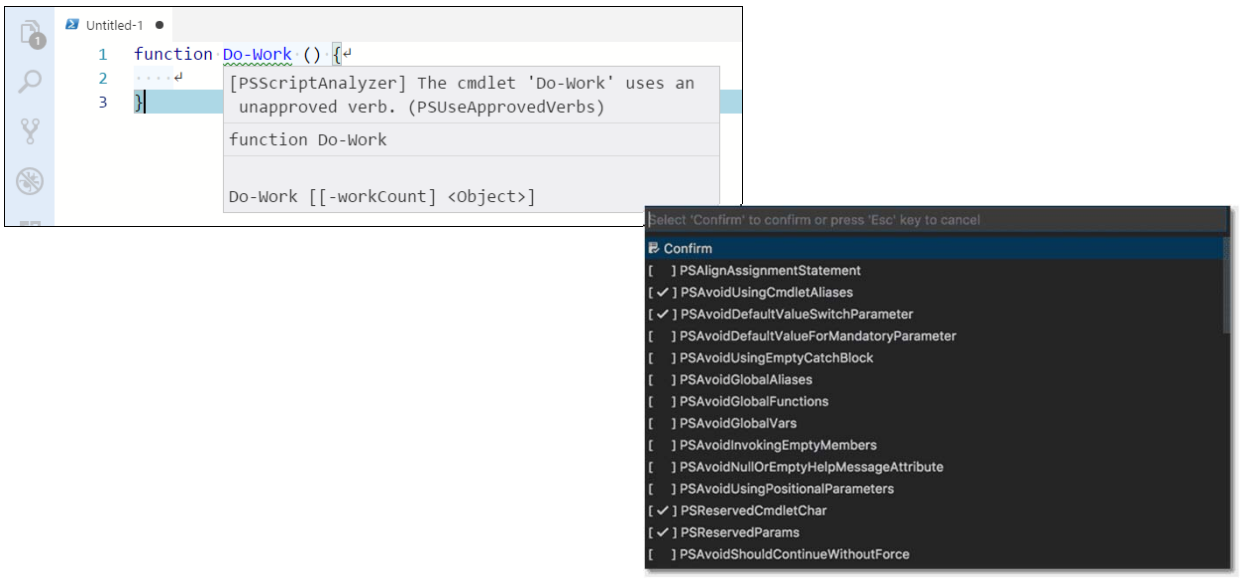
Key Bindings – Run Selection



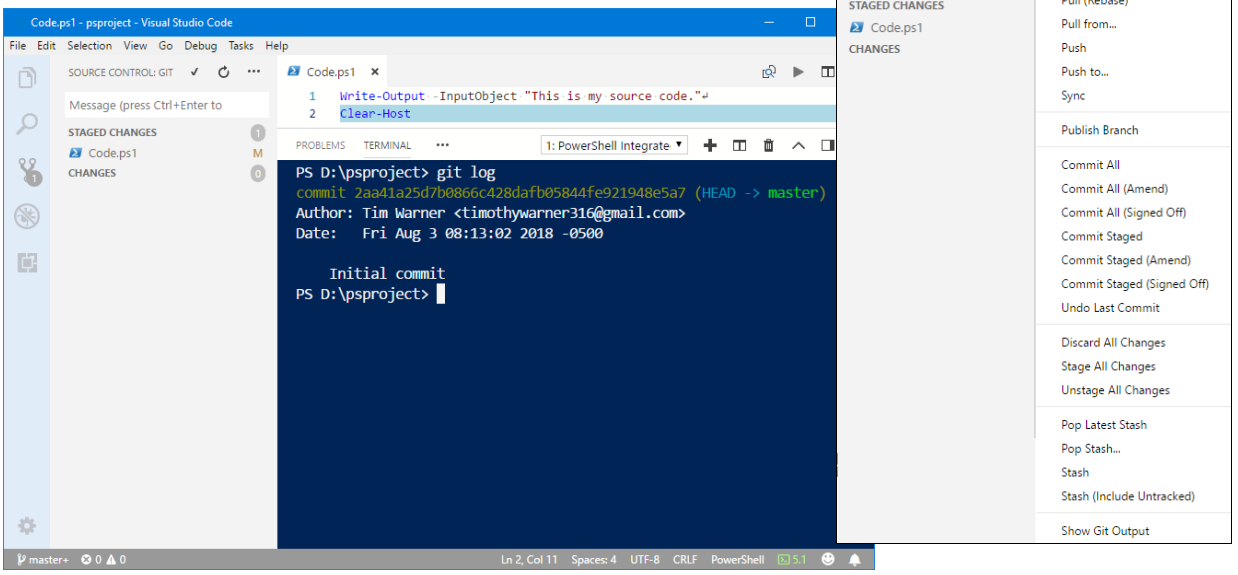
Snippets


Keith Hill's Blog
Home
About Keith Hill
PowerShell Snipp
Posted on September 12, 2015
Another issue is that the
powershell.json snippets
following snippets:
Class
Condition double qu
Condition expression statement
Condition single quoted string statement
Condition statement
Do...until loop
Do...while loop
Else statement
ElseIf statement
Untitled-1.ps1
1
2
3
4
5
6
7
8
9
10
11
12
13
foreach (${item} in ${collection}) {
}
else
Else statement
elseif
Elseif statement
enum
Enum
for
For loop
foreach
Foreach statement
func
Function
1
2
3

PS Script Analyzer



Git Source Control



PowerShell Debugging in VSCode

Thank You!

Tim Warner

Materials: **timw.info/vsc**

Twitter: **@TechTrainerTim**

Web: **techtrainertim.com**

Email: **timothy-warner@pluralsight.com**