For those who don’t know PowerShell 5 will be the last version using the Windows Management Framework and PowerShell Core 6 will be moved to .NET Core. The biggest difference will be that PowerShell ISE in which the majority of Windows Admins use as a scripting environment will no longer be available. Also, because of the architecture change, all IT departments will now have to reanalyze their existing scripts for backwards compatibility. How do we do this without ISE? This document will help you set up a PowerShell Core Environment that will give you all your old tools that we all love. PowerShell Core is cross platform between Windows, Mac, and Linux, I’ve only set this up on Mac and Widows. (Linux users can use it as a guideline to find the necessary tools)

**Phase 1. Download**

Download and install PowerShell Core:

* For Windows go to the Microsoft’s site and download it.
* For Mac open terminal, and use this command: brew cask install powershell

If you don’t have homebrew install by copying this command before you install powershell:

/usr/bin/ruby -e "$(curl -fsSL<https://raw.githubusercontent.com/Homebrew/install/master/install>)”

Download and Install Microsoft Visual Studio Code from Microsoft. Sign up, It’s open source and its FREE!

**Phase 2. Microsoft Visual Studio Code MarketPlace**

Once signed onto Visual Studio Code, you can now access the marketplace. We will need 2 extensions to be able to use VSCode to for PowerShell Scripting.

* You can do this by opening VSCode and going to Code -->Preferences-->Extensions. Enter Powershell in the box.
* You will need to download the PowerShell ms-vscode.powershell Extension by Microsoft and PowerShell Pro Tools ironman software.powershellprotool by Ironman Software.

**Phase 3. Configure your Extensions**

* To get intellisense and snippets working we will need to configure VSCode to have the same configuration as PowerShell ISE. The configuration to do this on VSCode is handled by a .json file. You can modify this by going to Code-->Preferences--User Snippets. In the box start typing in Powershell. Open the PowerShell.json file. Go to my github at github.com/mrallentam/docs and download the file named Powershell.json-config.txt. Open and copy the entire document and paste it in your PowerShell.json file you have opened in VSCode.
* **For Macs.** This isn’t really documented well but in order to get intellisense working you will need to get openssl on installed. You can do this by using Homebrew. Use terminal and run the following: brew install openssl. I believe the idea for this is that you’re supposed to be able to open remote powershell sessions and modify code and without openssl you can’t do this on a Mac
* There should be a reload button, but if not just close and open the app.
* Test snippets and test intellisense by creating a new file and start typing code. Enter “get” and intellisense should start working and give you options.. Same thing with snippets.

**Phase 4. Installing PowerShellGet and the DSC Resource Kit.**

The new version of Powershell has a repository for us to download directly to powershell (a similar tool to YUM on Linux or homebrew on MacOS). The repository is called PowerShell Gallery and it’s located at [www.powershellgallery.com](http://www.powershellgallery.com). You can do this by installing PowerShellGet. You can browse the Gallery and install the dsc resource kit if you need it by following the instructions they provide for PowerShellGet.

* To install PowerShellGet, you can open up your PowerShell Console and run the following command: Install-Module -Name PowerShellGet -force