# Continuous Delivery to the PowerShell Gallery in 5 minutes

## TODAY'S TO DO LIST

- 1. GET UP
- 2. Drink Coffee
- 3. Create Continuous Delivery Process for Delivering Modules to the PowerShell Gallery
- 4. In only 5 minutes @

# Why Module?

- Ps1 scripts EVERYWHERE!!
- · Use them in other scripts
- · Share them
- · Modularity
- · Only export functions user needs

## Why PowerShell Gallery?

- · Public or Private Nuget Repository
- · Share your Modules
- · Centralise deployment of Modules
- · PowerShell Gallery is safe and secure

## What do we need?

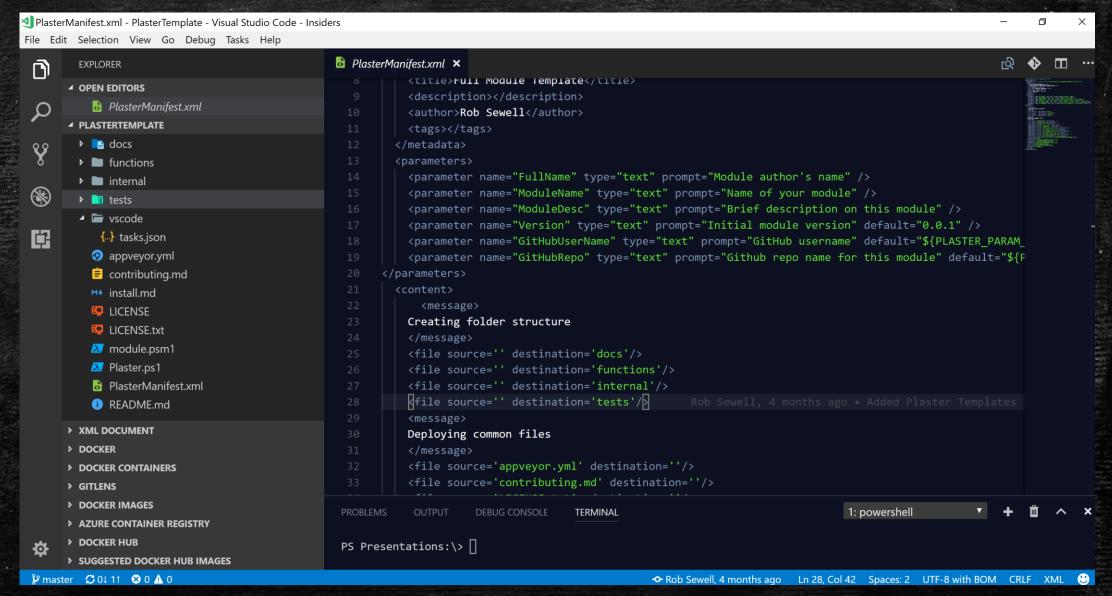
- · Plaster Install-Module Plaster
- Pester Install-Module Pester -Force (even though it is installed by default)

## What do we need?

- · Plaster Install-Module Plaster
- Pester Install-Module Pester -Force (even though it is installed by default)
- · GitHub Account
- · VSTS account

We won't have time for much detail!!

### Plaster



#### Plaster

```
◀ • Untitled-1 - PSDayUK 2017 - Continuous Delivery to PowerShell Gallery - Visual Studio Code - Insiders
File Edit Selection View Go Debug Tasks Help
        ☐ Untitled-1 •
                $ModuleName = 'BeardAnalysis'
                $Description = "This is a demo module for demoing Plaster and TDD with Pester and CI with VSTS to the PowerShell Gallery"
 Q
                $plaster = @{
                    TemplatePath = "GIT:\PlasterTemplate" #(Split-Path $manifestProperties.Path)
                    DestinationPath = "Git:\$ModuleName"
                    FullName = "Rob Sewell"
 (%)
                    ModuleName = $ModuleName
                    ModuleDesc = $Description
                    Version = '0.9.21'
 中
                    GitHubUserName = "SQLDBAWithABeard"
                    GitHubRepo = $ModuleName
                    If((!(Test-Path $plaster.DestinationPath))
                    New-Item - ItemType Directory - Path $plaster. DestinationPath
                    Invoke-Plaster @plaster
                                                                                                                                       2: PowerShell I
         PROBLEMS
                     OUTPUT
                               DEBUG CONSOLE
                                                TERMINAL
         PS Presentations:\> □
```

## Plaster

**PROBLEMS** 

OUTPUT

DEBUG CONSOLE

TERMINAL

PS Presentations:\> Invoke-Plaster @plaster

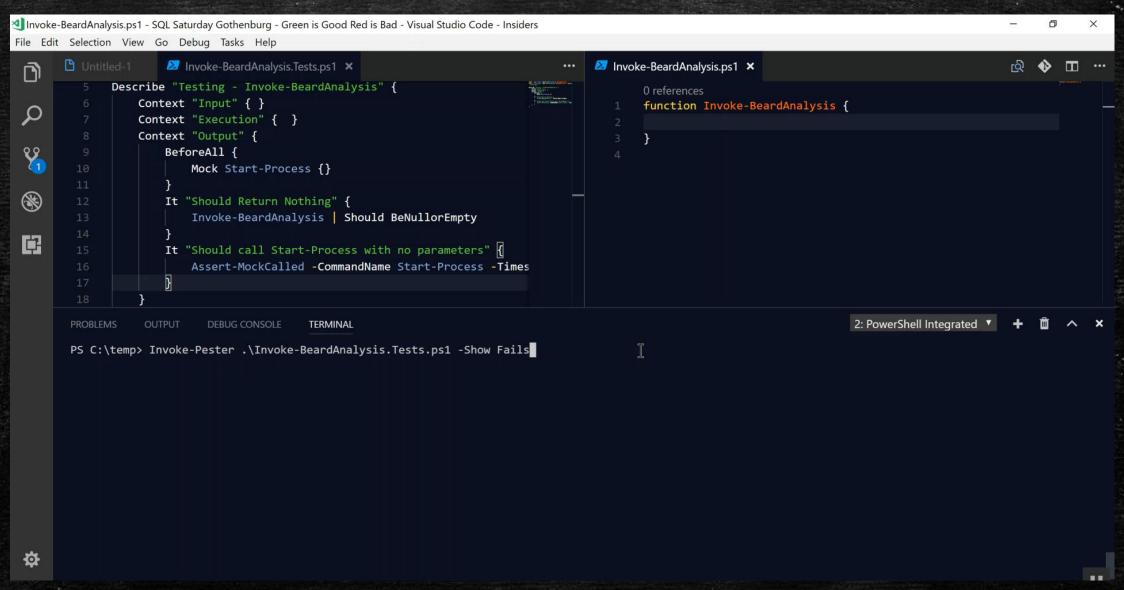
## Pester

Write Test
Run Test
Fall Test

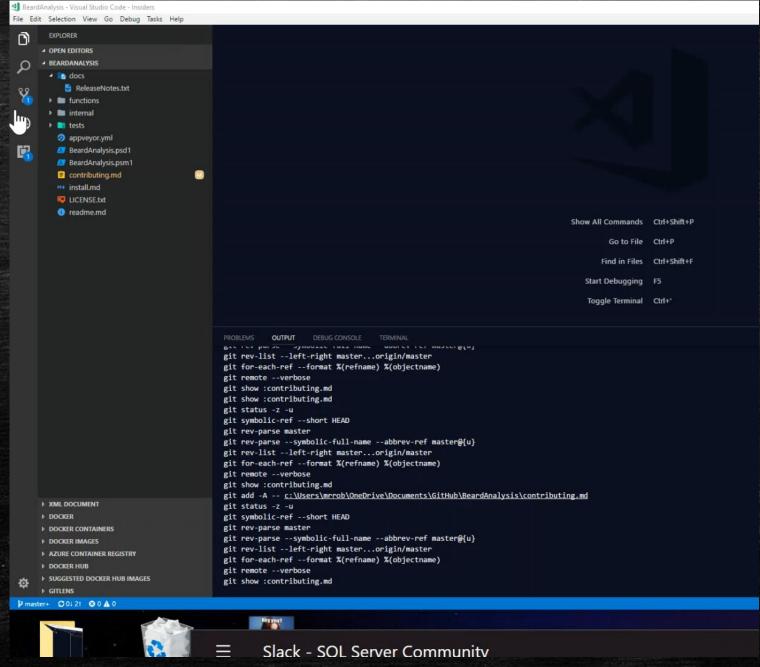
Write Code Run Test Pass Test

Repeat

## Pester





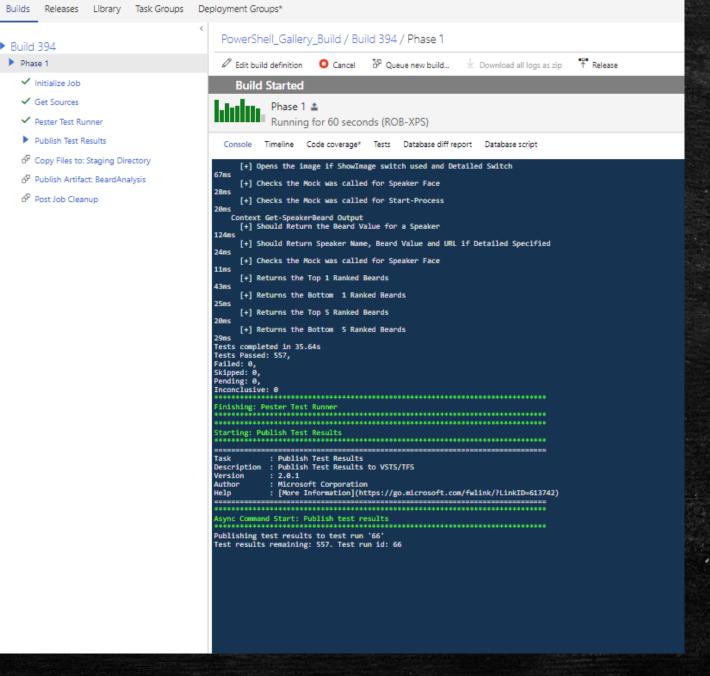


https://sqldbawithAbeard.com

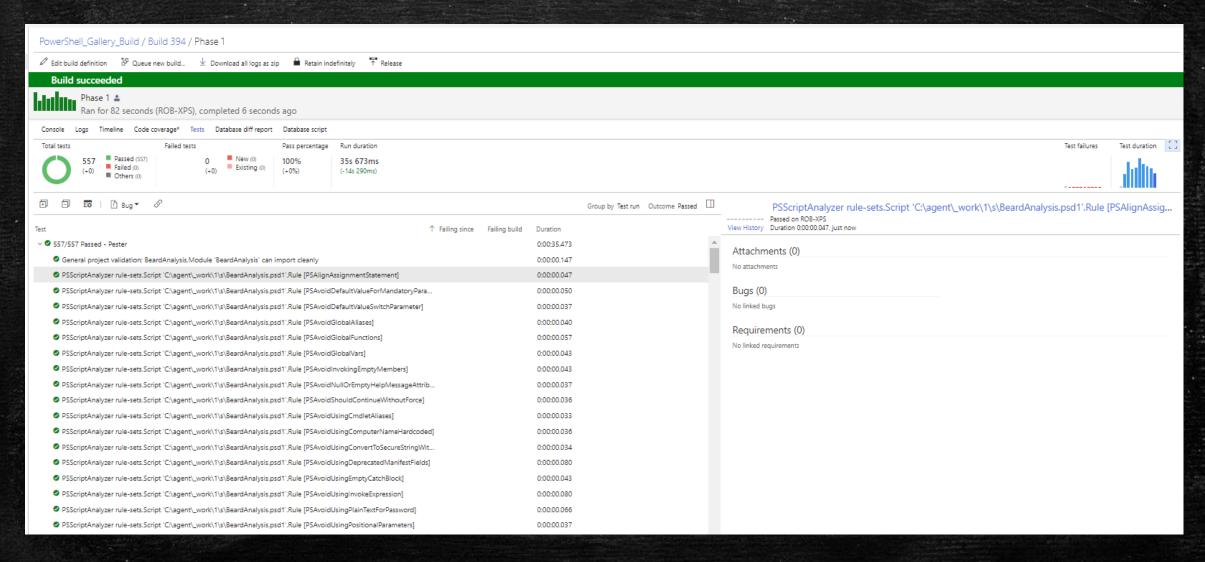
Rob Sewell @sqldbawithbeard

RobSewell.Info

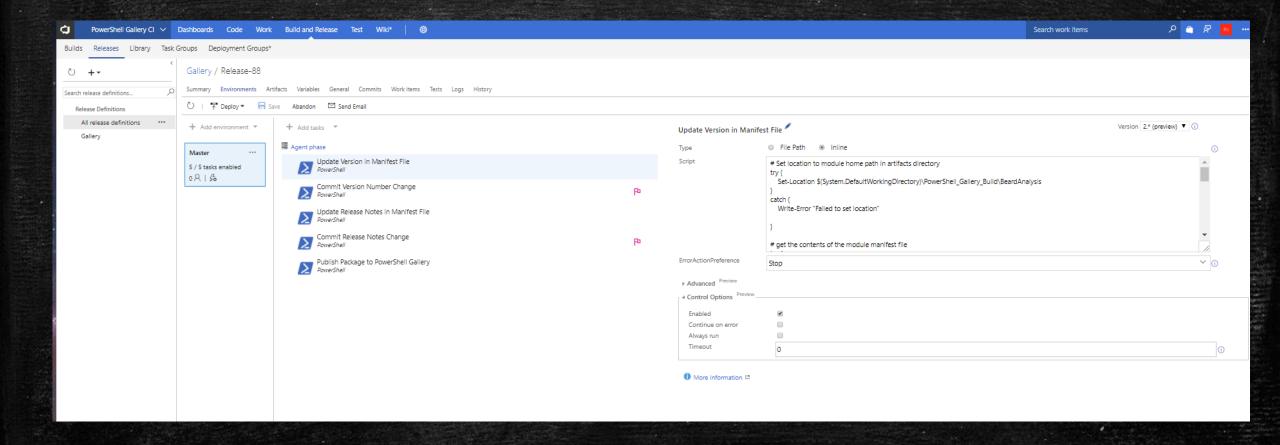
# VSTS Build



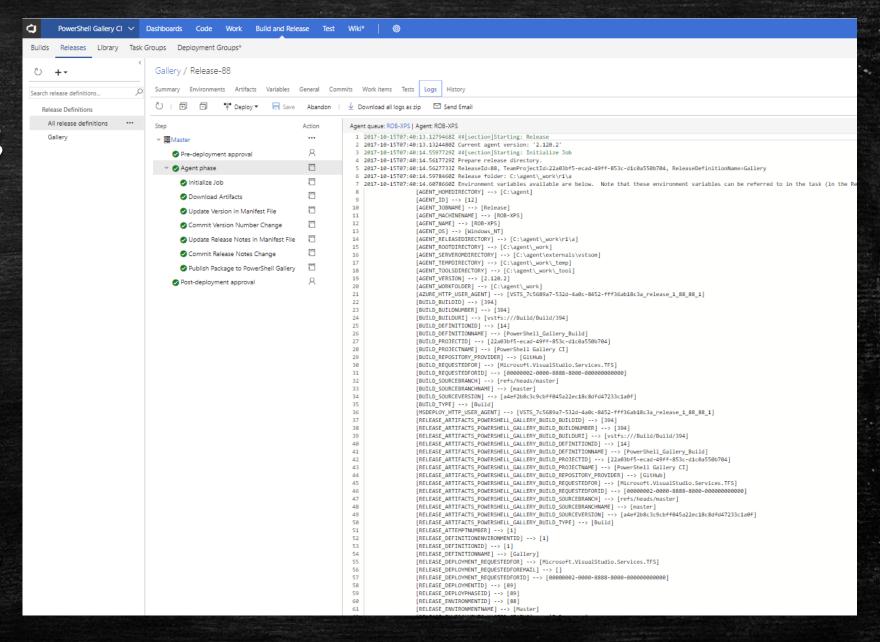
## VSTS Build



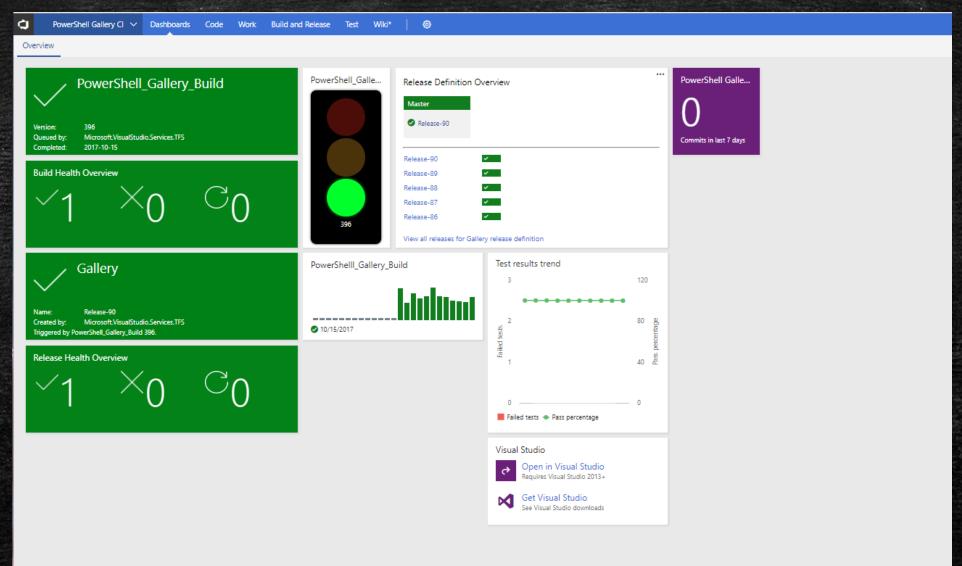
## VSTS Release



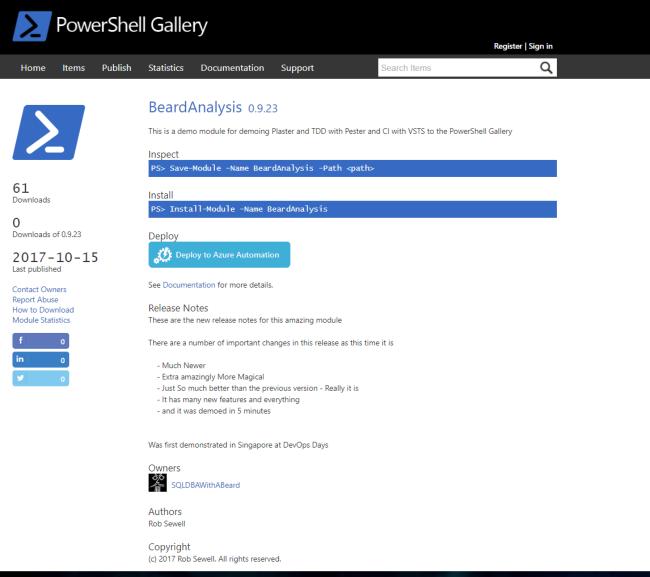
## VSTS Release



## VSTS DashBoard



## PowerShell Gallery



#### Summary

Continuous Delivery of PowerShell Module to the Gallery is easy
Plaster can template your module framework
Pester is a Unit Testing Framework for PowerShell
VSTS is free
Have Fun - Create some modules today