

# Pester The Tester

## PowerShell Bugs Beware!

**Robert C. Cain, MVP**  
Arcane Training and Consulting

# Your Presenter



- Robert C. Cain, MVP, MCTS
- Arcane Training and Consulting, LLC
- Microsoft MVP SQL Server since 2008
- Pluralsight, Author
- Co-Author 5 books
- Speaker, SQL Pass, SQL Saturdays, more
- <http://arcanecode.com>
- <http://twitter.com/arcanecode>





- PodcastSight
- Podcast Aggregator
- PowerShell to Import Podcast Data
- RSS

# Pester



- Open source PowerShell module
- Included with Windows 10
- Downloadable for other Windows versions
- Easy to update

# Types of Testing



- Unit Tests
- Integration Tests
- Acceptance Tests

# Requirements



- Good Requirements are the cornerstone of tests
- Tests are written to match the requirements
- Requirements also allow you to use Test Driven Development (TDD)

# Requirements - Module



- Podcast-*podcastname*
  - Podcast-NoAgenda
- Have both psm1 and psd1

# Requirements - All Functions



- Help
  - Synopsis
  - Description
  - Example
- Write-Verbose
- Advanced Functions
  - param block
  - Pipeline enabled
- Functions in their own files



# Requirements – Individual Functions



- Public Functions
  - *Get-podcastname*
    - (Get-NoAgenda)
  - Get-PodcastData
- Private Functions
  - Get-PodcastImage
  - Get-PodcastMedia
  - ConvertTo-PodcastXML
  - Write-PodcastXML
  - ConvertTo-PodcastHTML
  - Write-PodcastHTML

# Thanks!

- Questions?
  - <http://arcanecode.com>
  - <http://twitter.com/arcanecode>
  - <http://github.com/arcanecode>
  - [arcane@arcanetc.com](mailto:arcane@arcanetc.com)
- 
- For a free, 30 day Pluralsight trial, email [free@arcanetc.com](mailto:free@arcanetc.com)