



Automate Operational Readiness and Validation Testing

of SQL Server with PowerShell and Pester

mikefrobbins.com



Get-Help -Name 'about_Presenter'

- Mike F Robbins
- Microsoft MVP on Windows PowerShell
- SAPIEN Technologies MVP
- Leader & Co-Founder of Mississippi PowerShell User Group
- Co-Author of Windows PowerShell TFM 4th Edition
- Author of Chapter 6 in the PowerShell Deep Dives book
- Winner of the Advanced Category in the 2013 Scripting Games
- Learn more about me @ mikefrobbins.com



Pester

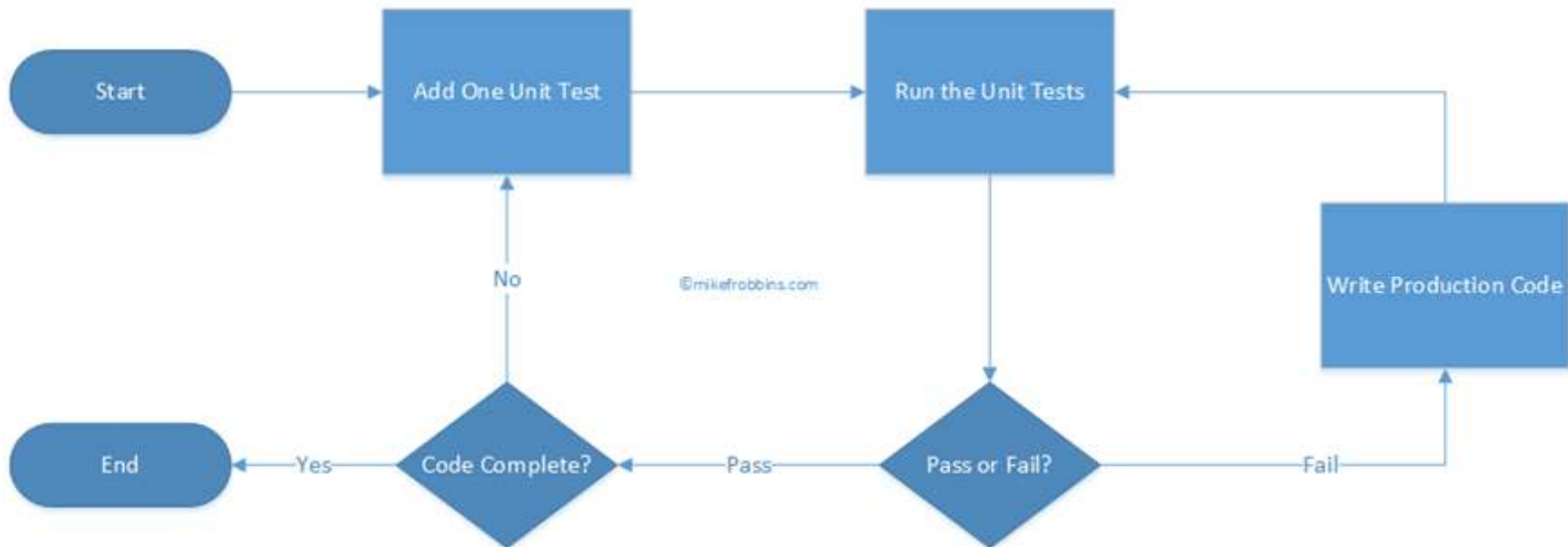
- Unit Test Framework for PowerShell
- Assertions
 - Should
- Mocking
- Isolated File Operations
 - TestDrive
- Unit Testing within Modules
 - Public Functions
 - Private Functions

For more info about Pester, see: <https://github.com/pester/Pester/wiki>



Test-Driven Development (TDD)

Test Driven Development Workflow



Source: <http://mikefrobbins.com/2016/05/12/why-isnt-test-driven-development-more-widely-adopted-and-accepted-by-the-powershell-community/>



Operational Validation Testing

- PowerShell
- Pester
- TSQL
- WMI
- Operation Validation Framework
- Other third party products



Start-Process 'Demo'

Demo Code: github.com/mikefrobbins/Presentations

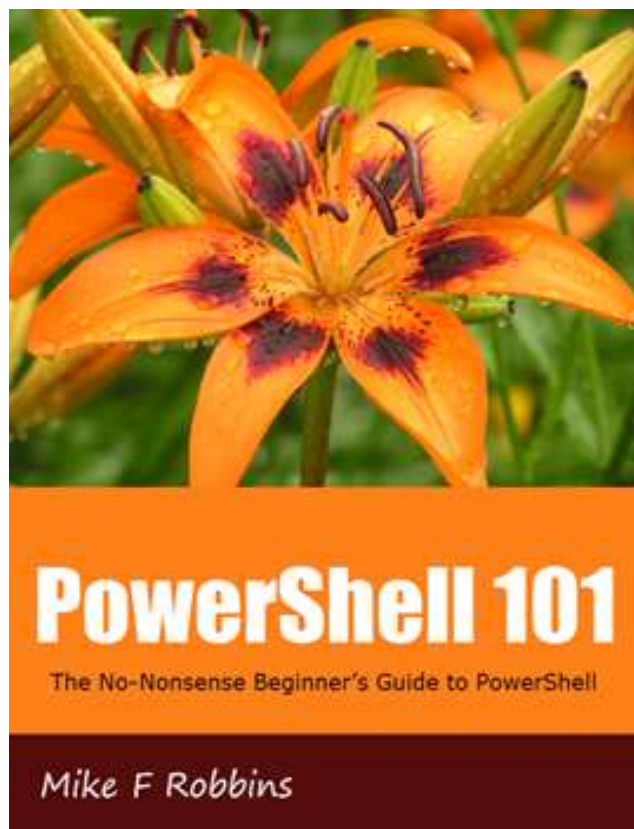


Select-Object –Property ‘Resources’

- [Pester Wiki on GitHub](#)
- [Operation Validation Framework](#)
- [PowerShell.org](#)
- [PowerShell Magazine](#)
- [Hey, Scripting Guy! Blog](#)
- [User Groups](#)
- [Twitter](#)
- [Blogs](#)
- [The Pester Book](#)
- [Pluralsight](#)



New-Book –Name ‘PowerShell 101’



leanpub.com/powershell101



Get-Contact –Identity ‘Presenter’

- Blog: mikefrobbins.com (or MrPowerShell.com)



- Twitter: [@mikefrobbins](https://twitter.com/mikefrobbins)
- LinkedIn: www.linkedin.com/in/mikefrobbins
- E-Mail: See mikefrobbins.com/about/
- User Group: mspsug.com (or MsPowerShell.com)



<http://mikefrobbins.com>

