

Building a Testing Report Dashboard



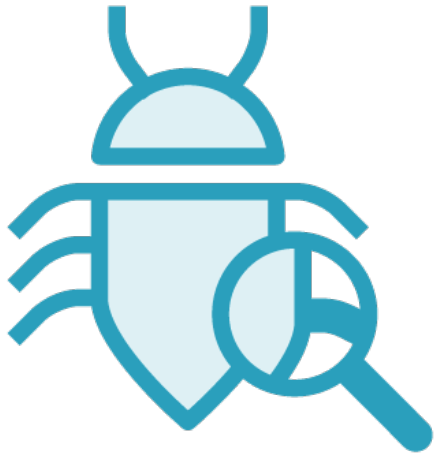
Adam Bertram

MICROSOFT CLOUD AND DATACENTER MANAGEMENT MVP

@adbertram www.adamtheautomator.com



nUnit



Unit testing
framework for .NET



Hugely popular



XML format treated as
"standard" test results

Test Result Formats

```
Describing New-TestEnvironment
Context Virtual Machines
  [+] creates the VM with the right name 9.84s
  [+] assigns the correct memory 11ms
  [+] creates a generation 1 VM 8ms
  [+] attaches the right switch to the VM 54ms
  [+] creates the VM in the right location 11ms
  [+] creates a VHD in the right location 10ms
  [+] creates a VHD that is Dynamic 1.2s
  [+] creates a VHD that is the correct size 1.2s
```

Pester

```
<test-case description="sets the system locale to en-US" name="New-TestEnvironment" />
<test-case description="installs Windows Server 2012 R2 Standard" name="New-TestEnvironment" />
<test-case description="enables the local Administrator account" name="New-TestEnvironment" />
<test-case description="sets the local administrator account to the local administrator" name="New-TestEnvironment" />
<test-case description="sets the NIC IP to 192.168.0.156" name="New-TestEnvironment" />
<test-case description="sets the NIC DNS server to itself" name="New-TestEnvironment" />
<test-case description="disables the firewall" name="New-TestEnvironment" />
<test-case description="sets the PowerShell execution policy to Unrestricted" name="New-TestEnvironment" />
<test-case description="builds the correct disk configuration" name="New-TestEnvironment" />
<test-case description="creates a forest called test.local" name="New-TestEnvironment" />
<test-case description="sets the AD database path to C:\NTDS" name="New-TestEnvironment" />
<test-case description="sets the forest mode to Windows2012" name="New-TestEnvironment" />
```

nUnit XML

Demo



Changing Pester's Default Output

- Sending test results to XML



Publishing Pester Results with ReportUnit



ReportUnit



Simple



**Converts nUnit XML
to HTML**



Free



**Great example of
what's possible**

Demo



Building a Test Result Dashboard

- Converting nUnit XML to HTML
- Use a web server to display test results
- Viewing test results in the browser



Summary



nUnit XML

ReportUnit

Building a web dashboard from
Pester results

