



Nightshade Tests – GitHub Projects and Updating to New Framework Version

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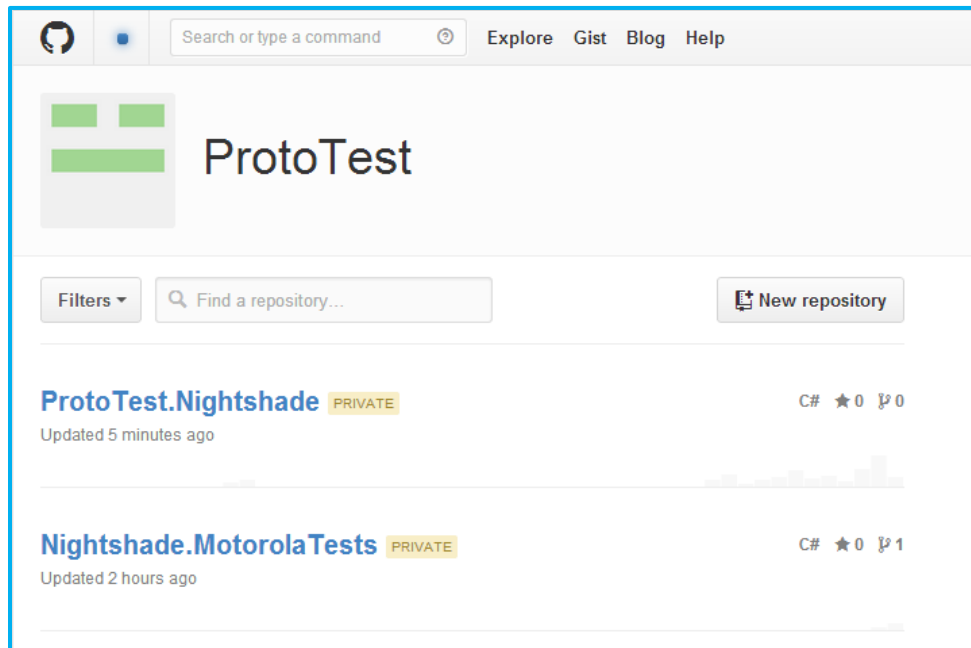
Brian Kitchener

Roland Burrows

May 2014

GitHub Projects

ProtoTest has given Motorola Solutions access to 2 private repositories:



ProtoTest.Nightshade is a C# Eggplant Test Runner, built in Visual Studio 2012 with .Net 4.0. Specifically, it's built on top of Gallio and MbUnit. MbUnit is a unit testing framework similar to NUnit, but with more advanced features for UI automation. Gallio is a unit test runner that contains advanced reporting along with both GUI and Command line execution. In addition, tests can be executed from Visual Studio using the TestDriven.net plugin.

Nightshade.MotorolaTests is a Visual Studio solution that includes 2 projects:

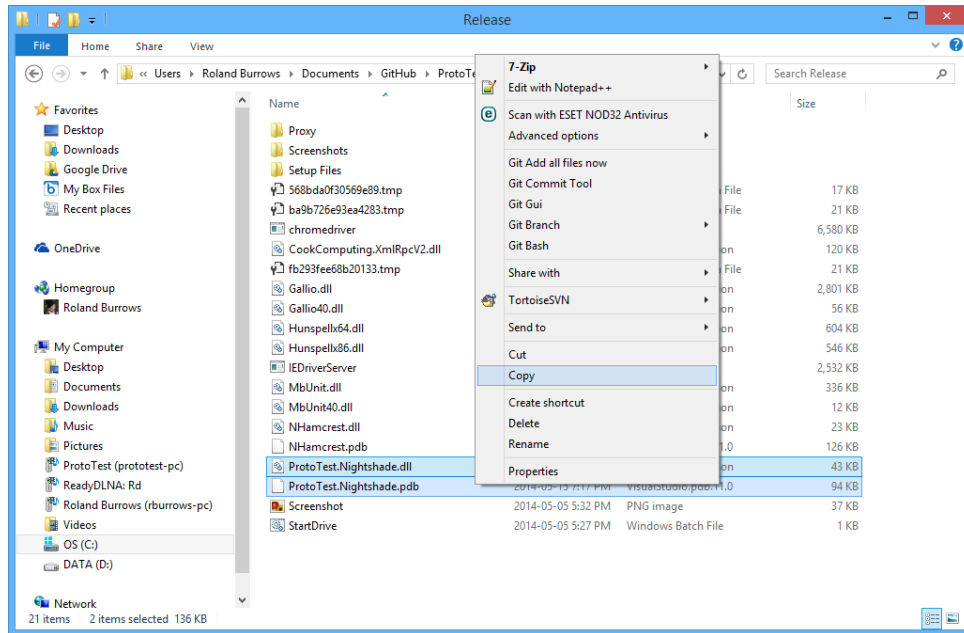
- **DeviceScripts** – As of 5/16/2014, includes device agnostic tests for the AT&T 15595 test suite running on an MC65 Windows Mobile device (including device assets).
- **WebScripts** – As of 5/16/2014, includes scripts for controlling Hotmail email test accounts, which are to be set up on any testing devices for the DeviceScripts tests. Uses ProtoTest's "Golem" web automation framework.

Releases for these projects are available for download and integration into a different source control option.

Updating to New Framework Version

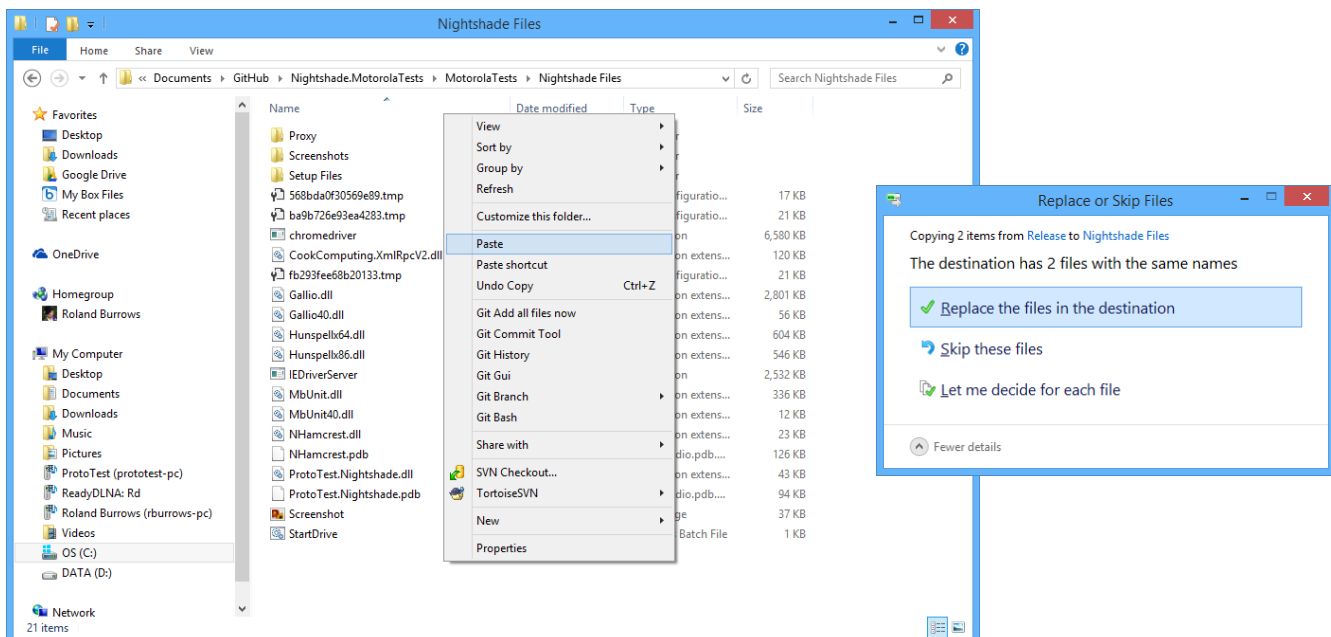
Nightshade Release Folder

When a new version of the Nightshade Framework is built, the new files can be updated without affecting the MotorolaTests files. Navigate to the Nightshade\bin\Release folder and copy the ProtoTest.Nightshade.dll and ProtoTest.Nightshade.pdb files at a minimum.



Nightshade Release Folder

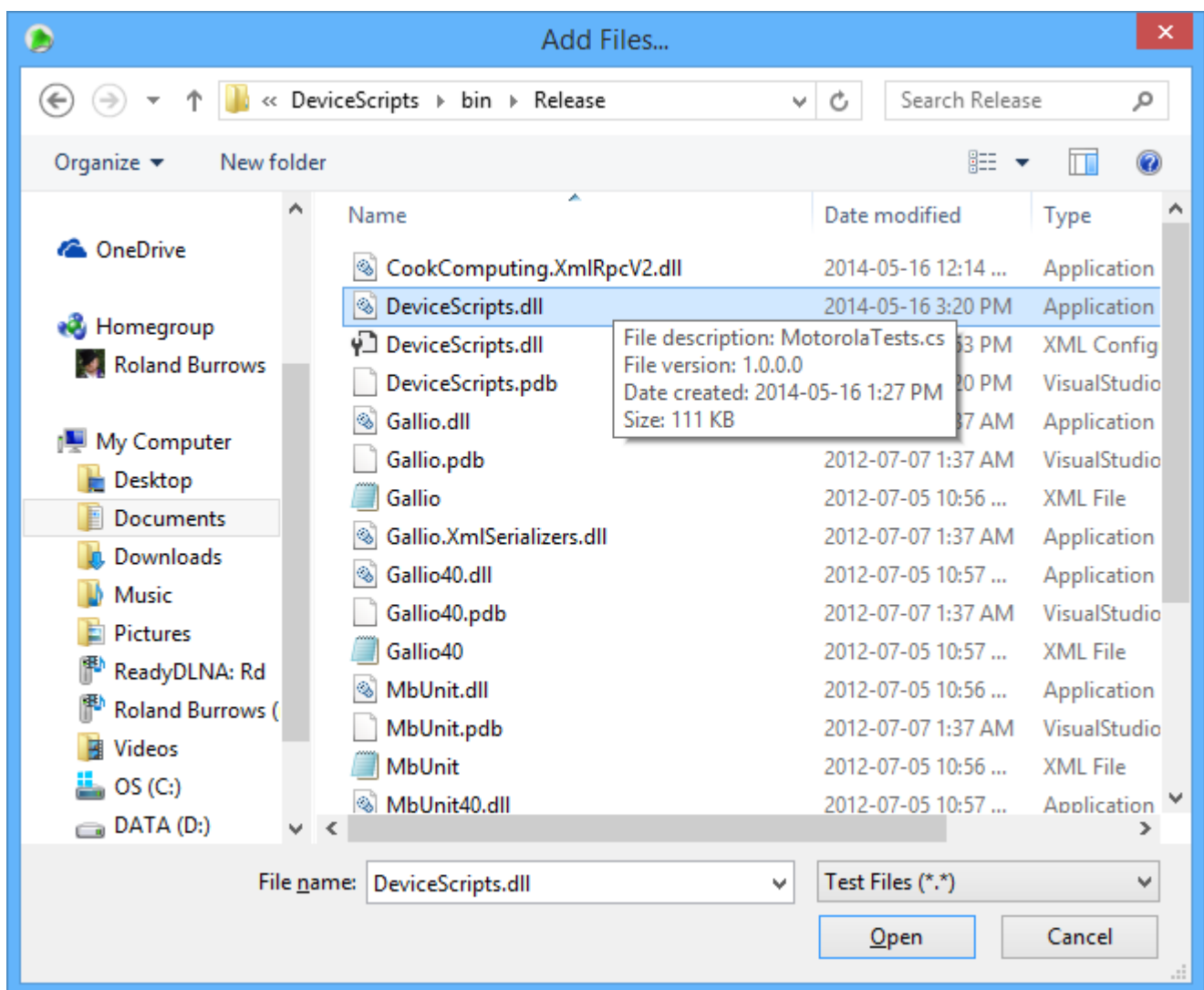
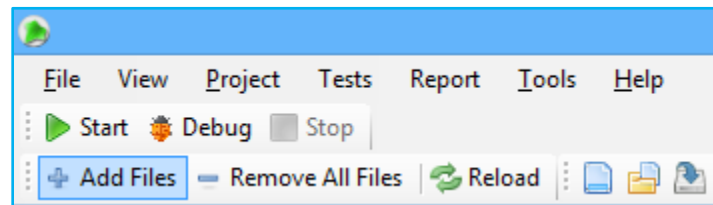
Replace the equivalent files in the Nightshade.MotorolaTests\DeviceScripts\Nightshade Files folder:

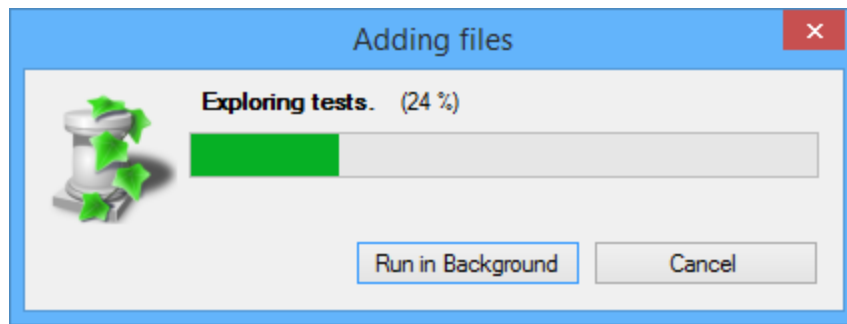


Running Tests in Gallio

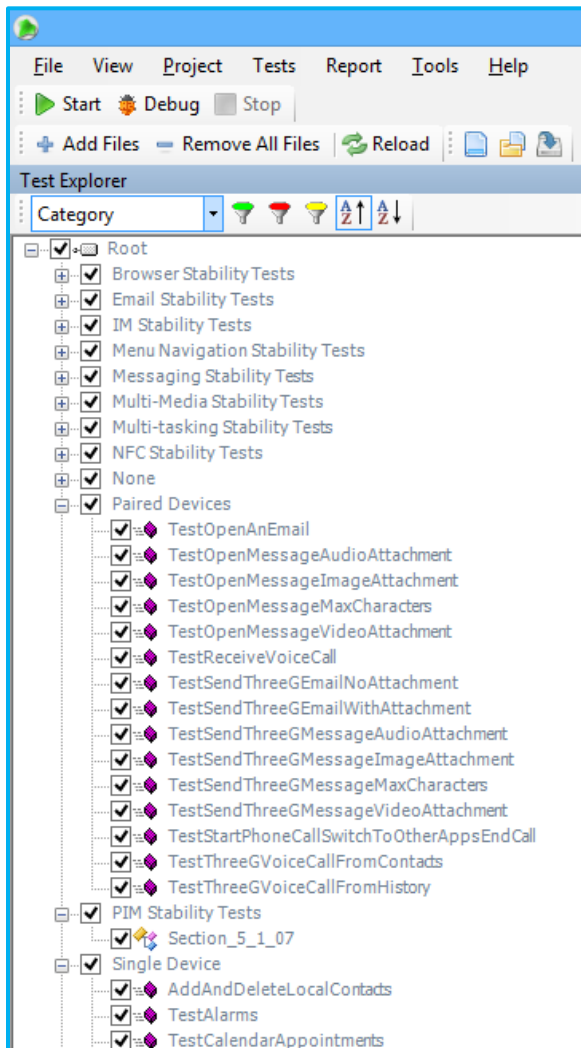
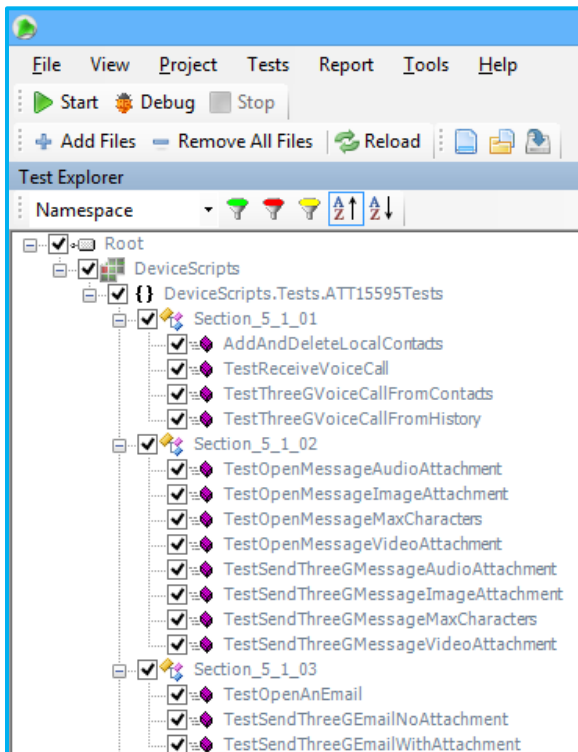
Nightshade Release Folder

With a new version of the Nightshade Framework files added, load the tests .dll file as normal. Do not load the Prototest.Nightshade.dll file!





Finally, sort tests by your preferred category and select “Start”:



About ProtoTest

Since 1998, ProtoTest has helped clients test software to ensure a positive user experience. Our Denver mobile app test lab is equipped with a collection of virtual and physical smartphones and tablets, including popular models from Apple, Samsung, HTC, LG, Motorola, Amazon, and more. The ProtoTest lab is staffed with experts skilled in functional and performance test automation with leading commercial and open source tools. Our staffing practice draws from a diverse talent community to fill contract, contract-to-hire, and direct-hire openings for testing professionals and other roles in the software lifecycle. ProtoTest's clients include industry leaders such as DigitalGlobe, Pearson, Covidien, and MyForce. For more information, please visit ProtoTest.com.