
Testing at Fandor

Automated Testing SF
Automated Testing Clinic, 18 Feb 2014

Dave Schweisguth (@daveschweisguth)
Director of Engineering, Fandor (<http://www.fandor.com/>)

Projects

Project	Technology	Level of testing	CI?	Tests required for release?
Web site	Ruby on Rails	unit (rspec), functional (Cucumber)	yes	no (but yes for ops)
Blog	Wordpress	functional (Cucumber)	no	yes
Flash client	Flash	none	no	no
Roku client	BrightScript	none	no	no
iOS client	Objective C	unit	no	no
Android client	Androidy Java	unit (JUnit), functional	no	no
Wowza exts.	Java	unit (JUnit)	no	yes

Problems and non-problems

- Lack of tests in some projects is a definite inefficiency
- Lack of CI or required-for-release tests in projects which don't have them has so far not been a problem, because
 - only a single developer or pair works on them at a time
 - release cycles are long, so developers have time to remember to run automated tests
- Not all tests in the web project run in CI, which means a manual step in the release process
- Lack of required-for-release tests in the web project has never affected production, but it has affected staging
- The size and complexity of the web project test suite is a significant problem
 - Different behavior on different platforms
 - Intermittent failures and hangs

Possible remedies for web project issues

- Upgrade Capybara, capybara-webkit, qt (in progress)
- Migrate from webkit to PhantomJS (if previous measure doesn't help)
- Require tests to have been run before deploying (in progress)
- Test in VMs
- Break into multiple engines, services, etc.

Keep an eye on us

- <http://behindthefandoor.fandor.com/> (and @fandoreng)
- @daveschweisguth

Stay green!