Codeless Automation: Selenium Builder + Github + CI = Crazy Delicious!

Jason Carr
@maudineormsby

Selenium Builder

1 2 3 4

Record and playback tool for Selenium 1 and 2. The future.

Features

Record and Playback Scripts in Selenium 1 and 2
Create, modify, and edit steps in web-based UI
Export to language of choice
Plugin architecture
Convert from Selenium 1 to 2 and back!

New in 2.0.8

Breakpoints
Updated UI for loading/saving/exporting
Cut/Paste of steps
Element highlighter for testing locators

Coming Soon to a Selenium Project near you!

Why Would I Use This?

Create quick, throwaway scripts

Automate boilerplate like login, logout

Just getting started with automation

Next Generation IDE

Because automation is important!
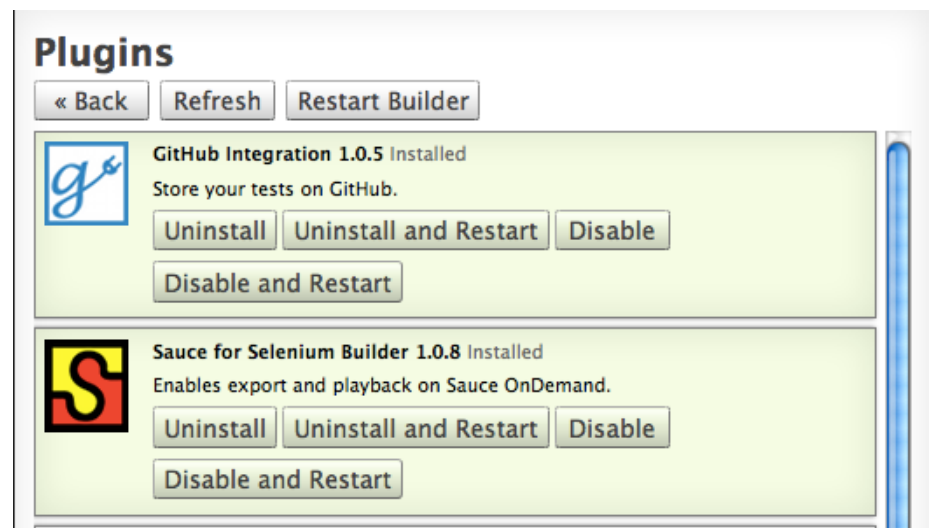
OK. But can it really work for CI?

Plugins

1 **2** 3 4

Plugins

Builder has robust plugin architecture

Allows modular features to be added

Plugins

Github

Sauce Labs

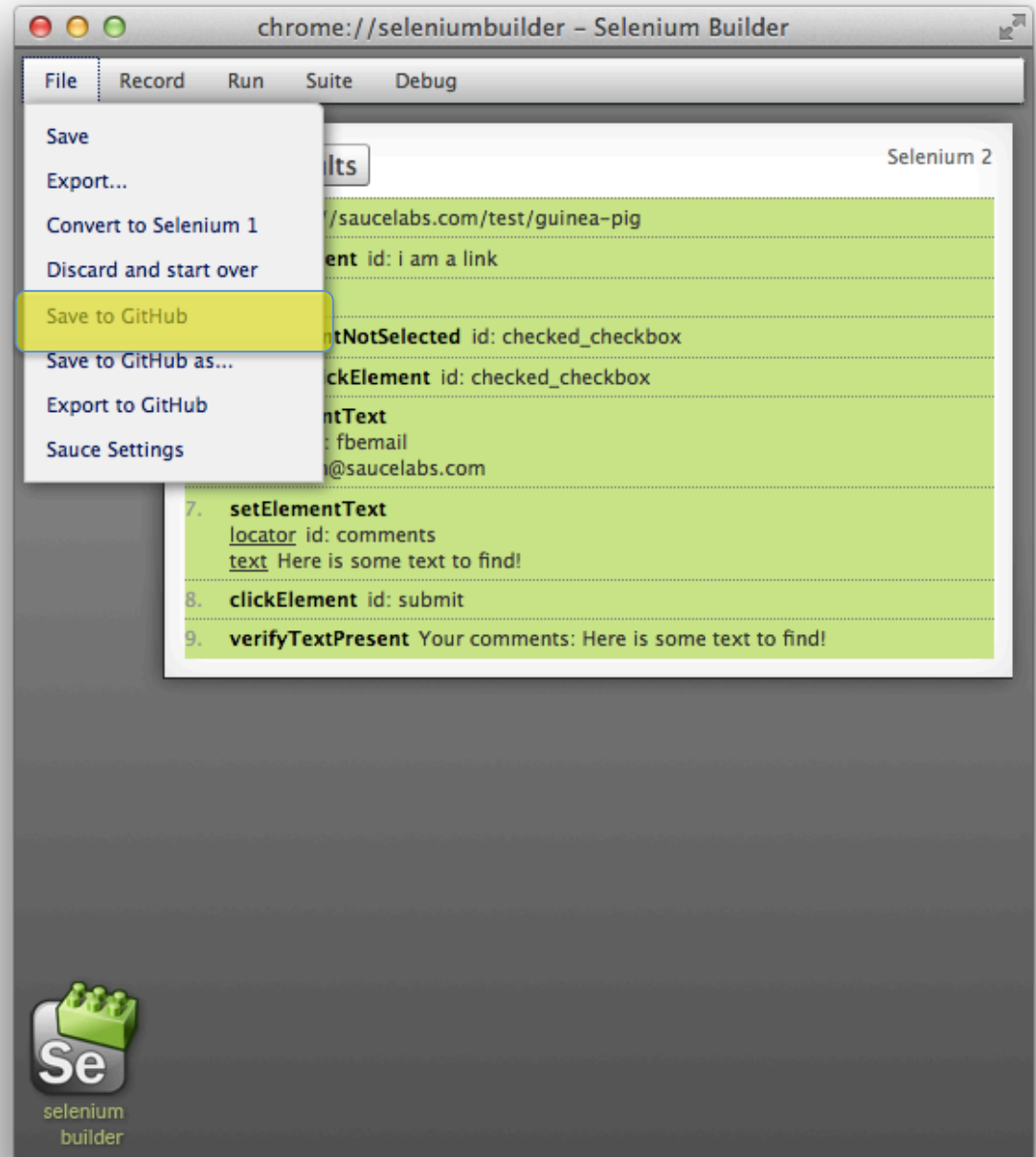**Configuration**

Github username/password

Saucelabs username/Access Key

Saving Tests

1 2 **3** 4

Record a test

Save to Github

Test Format

Saves test as json
Will be run later by Se-Interpreter
Allows us to configure tests

Running Tests

1 2 3 **4**

Travis CI

Hosted CI for open source projects

Links to your Github Account

Natively supports many languages

Multiple runtimes

Interpreter Config

.json file read by se-interpreter

Stores settings for selenium

Tells se-interpreter where to find tests

Travis Config

.travis.yaml file read by Travis CI

Stores project settings:

    - language

    - dependencies

    - command for CI to run

    - Sauce Credentials

Travis Config pt. 2

Link to Github account

Add .travis.yml to repos you want to run on Travis CI.

Turn on builds in your travis account

The Flow

1. Record tests with Selenium Builder
2. Save test to github repo
3. Travis CI hooks - dependencies
    - command for CI to run
    - Sauce Credentials

CRAZY DELICIOUS

Thank you!

sebuilder.com
travis-ci.org
saucelabs.com