**Installation of Casperjs, Phantomjs and Slimerjs:**

(I am using Ubuntu 12.04)

**Prerequisites:**

For Installation of Casperjs and Slimerjs ,

1. Python 2.6 or greater in the bin/directory.
2. Phantomjs 1.8.2 or greater.

**Steps to install Phantomjs on Linux:**

1. $ sudo wget <https://bitbucket.org/ariya/phantomjs/downloads/phantomjs-1.9.7-linux-i686.tar.bz2>
2. sudo mv phantomjs-1.9.7-linux-i686.tar.bz2 /usr/local/share
3. sudo tar xjf phantomjs-1.9.7-linux-i686.tar.bz2
4. sudo ln -s /usr/local/share/phantomjs-1.9.7-linux-i686 /usr/local/share/phantomjs
5. sudo ln -s /usr/local/share/phantomjs/bin/phantomjs /usr/local/bin/phantomjs
6. sudo ln -s /usr/local/share/phantomjs /usr/local/bin/phantomjs

\*\* **Phantomjs can be cloned on GitHub - https://github.com/ariya/phantomjs.git**

**Steps to install Casperjs on Linux:**

1. $ sudo git clone <https://github.com/n1k0/casperjs.git>
2. cd casperjs
3. ln –sf ‘pwd’ /bin/casperjs /usr/local/bin/casperjs

**Steps to install Slimerjs on Linux:**

1. sudo git clone https://github.com/laurentj/slimerjs.git
2. cd slimerjs
3. sudo mv omni.ja application.ini slimerjs /usr/local/bin

**\*\* Slimerjs should lie in the same path as the codes are present. Without that, Casperjs will run using Phantomjs as the default engine**

**Running an Automation test suite using Casperjs and Slimerjs:**

1. In the console, go to the folder where the codes are present
2. For running a test suite ( say testsuite1) just run the command:

casperjs test --engine=slimerjs testsuite1/

1. To make the automation process **headless**, run the command:

xvfb-run casperjs test --engine=slimerjs testsuite1/

1. In the testsuites designed, for each of the codes requires 3 parameters: github username, github password and login url. Hence these need to be mentioned while running the testsuite in the format :

casperjs test --engine=slimerjs tc\_17.5.1.js --username=<github username> --password=<enter github password> --url=<enter login url here>

The above step has been done so that the github credentials are not hard-coded and any user can run the codes using one’s valid github credentials.