

1. Selenium server

Download latest selenium server: <https://www.seleniumhq.org/download/>
Unzip it, give it permissions and put it into one of your paths.
Find out your existing paths:

```
$ echo $PATH  
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin
```

In this case we decide to use `usr/local/bin`

2. WebDriver

Go to your project directory and run: `composer require facebook/webdriver`

3. ChromeDriver

Down a version of ChromeDriver thats compatible with your current chrome:

a) find out your chrome version

```
$ google-chrome --version  
Google Chrome 73.0.3683.86
```

b) See available version of ChromeDriver:
<https://chromedriver.storage.googleapis.com>

c) Download it:
`$ wget https://chromedriver.storage.googleapis.com/73.0.3683.68/chromedriver_linux64.zip`

Unzip it, give it permissions and put it into your path `usr/local/bin`

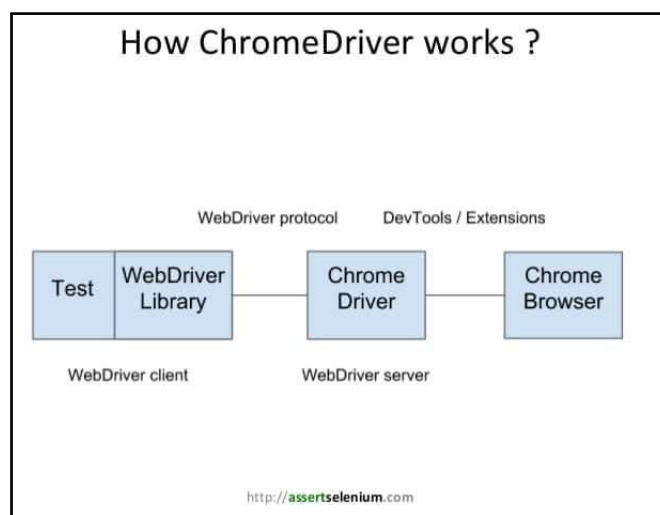
4. Run Selenium server:

```
java -Dwebdriver.chrome.driver=/usr/local/bin/chromedriver/chromedriver -jar  
/usr/local/bin/selenium-server-standalone-3.141.59.jar
```

5. Run test file:

```
php test.php
```

You can see that
`/var/www/html/autotest/test.php`
uses
`/var/www/html/autotest/vendor/facebook/webdriver/`
which uses
`/usr/local/bin/chromedriver/`



<?php

```
use Facebook\WebDriver\Remote\DesiredCapabilities;
use Facebook\WebDriver\Remote\RemoteWebDriver;
use Facebook\WebDriver\Chrome\ChromeOptions;
use Facebook\WebDriver\WebDriverBy;

require_once(__DIR__ . '/vendor/autoload.php');

$host = 'http://localhost:4444/wd/hub'; // this is the default

$options = new ChromeOptions();

$options->addArguments(array(
    '--disable-infobars', '--ignore-certificate-errors', '--test-type', '--allow-running-insecure-content', '--window-size=1920,1080',
));

$caps = DesiredCapabilities::chrome();
$caps->setCapability(ChromeOptions::CAPABILITY, $options);

$driver = RemoteWebDriver::create(
    $host,
    $caps
);

$driver->get("http://www.google.com");

$element = $driver->findElement(WebDriverBy::name("q"));

if($element) {
    $element->sendKeys("TestingBot");
    $element->submit();
}

print $driver->getTitle();
sleep(30);
$driver->quit();
```

/var/www/html/autotest/test.php

```
Open ▾ 12:24 Save
<?php
/*
google-chrome --version : Google Chrome 68.0.3440.106
https://www.seleniumhq.org/download/ https://chromedriver.storage.googleapis.com/2.41/chromedriver_linux64.zip
https://blog.programster.org/getting-started-with-selenium-testing-using-php selenium-server-standalone-3.8.1.jar
*/

use Facebook\WebDriver\Remote\DesiredCapabilities;
use Facebook\WebDriver\Remote\RemoteWebDriver;
use Facebook\WebDriver\Chrome\ChromeOptions;
use Facebook\WebDriver\WebdriverException;

require_once(__DIR__ . '/vendor/autoload.php');

$host = 'http://localhost:4444/wd/hub'; // this is the default

$options = new ChromeOptions();

$options->addArguments(array(
    '--disable-infobars', '--ignore-certificate-errors', '--test-type', '--allow-running-insecure-content',
));

// $options->setBinary('/google-chrome');

$capabilities = DesiredCapabilities::chrome();
$options->setCapability(ChromeOptions::CAPABILITY, $options);

$driver = RemoteWebDriver::create(
    $host,
    $capabilities,
    $options
);

$driver->get('http://www.google.com');

/*
# enter text into the search field
$driver->findElement(WebDriverBy::id('lst-lb'))->click();
sleep(1);
$driver->findElement(WebDriverBy::id('lst-lb'))->sendKeys('programster selenium');
sleep(1);

# Click the search button
$driver->findElement(WebDriverBy::name('btnK'))->click();
*/

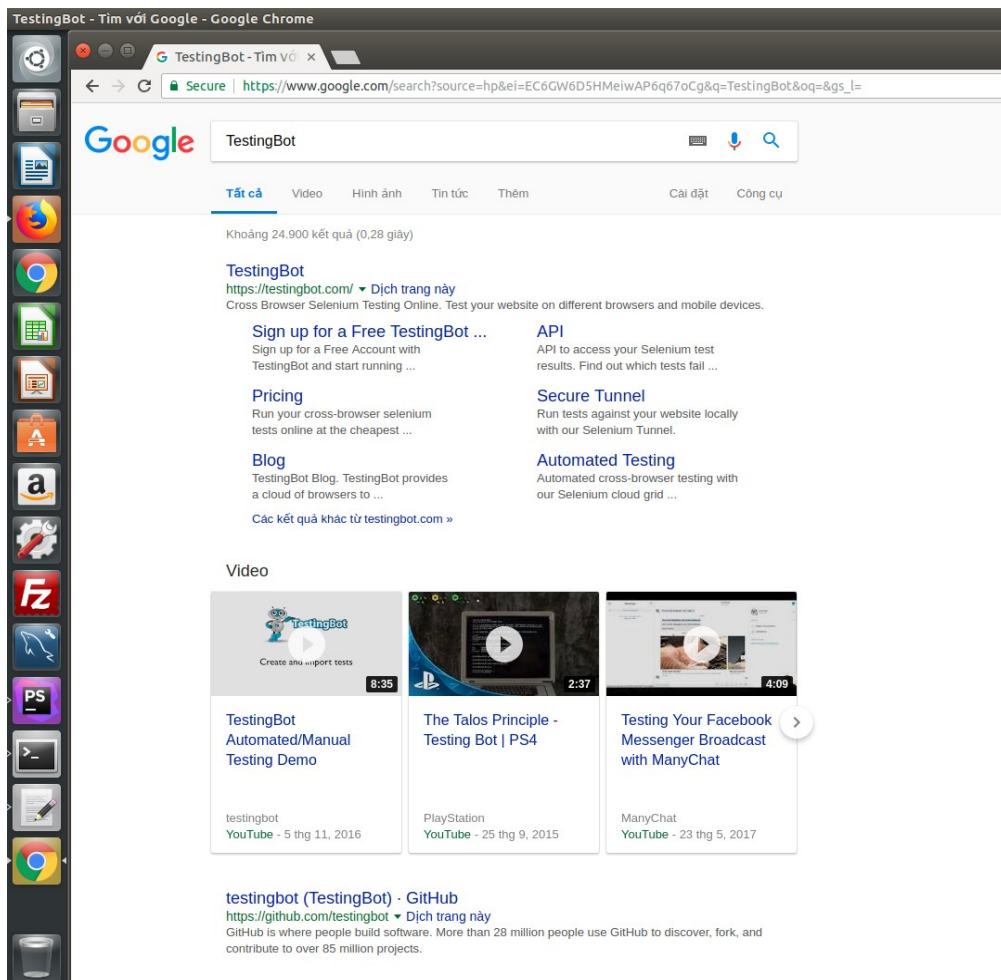
$element = $driver->findElement(WebDriverBy::name('q'));

if($element) {
    $element->sendKeys('TestingBot');
    $element->submit();
}

print $driver->getTitle();
sleep(30);
$driver->quit();
```

```
ruslan@ruslan-pc: ~/Desktop/Selenium
.194Z'
System info: host: 'ruslan-pc', ip: '127.0.1.1', os.name: 'Linux', os.arch: 'amd64', os.version: '4.15.0-33-generic', java.version: '1.8.0_181'
Driver info: org.openqa.selenium.chrome.ChromeDriver
Capabilities {acceptSslCerts: true, applicationCacheEnabled: false, browserConne
ctionEnabled: false, browserName: chrome, chrome: {chromedriverVersion: 2.34.522
913 (36222509aa0e81..., userDataDir: /tmp/.org.chromium.Chromium...), cssSelecto
rsEnabled: true, databaseEnabled: false, handlesAlerts: true, hasTouchScreen: fa
lse, javascriptEnabled: true, loc in /home/ruslan/Desktop/Selenium/vendor/facebo
ok/webdriver/lib/Exception/WebDriverException.php on line 114
}
ruslan@ruslan-pc:~/Desktop/Selenium$ ls
chromedriver_linux64.zip  composer.lock  selenium-server-standalone-3.8.1.jar  vendor
ruslan@ruslan-pc:~/Desktop/Selenium$ php test.php
TestingBot - Tin với Google
ruslan@ruslan-pc:~/Desktop/Selenium$ php test.php
TestingBot - Tin với Google
ruslan@ruslan-pc:~/Desktop/Selenium$ google-chrome --
version
Google Chrome 68.0.3440.106
ruslan@ruslan-pc:~/Desktop/Selenium$ ls
chromedriver_linux64.zip  composer.lock  selenium-server-standalone-3.8.1.jar  vendor
ruslan@ruslan-pc:~/Desktop/Selenium$ php test.php
TestingBot - Tin với Google
ruslan@ruslan-pc:~/Desktop/Selenium$ php test.php
TestingBot - Tin với Google
```

```
ruslan@ruslan-pc:~/Desktop/Selenium
form: ANY]
Starting chromeDriver 2.41.578700 (2f1ed5f934c13f73144538f15c00b370eda6706) on
port 30815
Only local connections are allowed.
12:24:30.887 INFO - Detected dialect: OSS
12:24:30.888 INFO - Done: [new session: Capabilities {browserName: chrome, chrom
eOptions: {args: [--disable-infobars, --ignore-certificate-errors, --test-type,
--allow-running-insecure-co..., --window-size=1920,1080], binary: }, platform: A
NY}]
12:24:30.891 INFO - Executing: [get: http://www.google.com/]
12:24:33.358 INFO - Done: [get: http://www.google.com/]
12:24:33.361 INFO - Executing: [find element: By.name: q]
12:24:33.383 INFO - Done: [find element: By.name: q]
12:24:33.386 INFO - Executing: [send keys: 0 [[ChromeDriver: chrome on LINUX (92
212473834a124268a8fc70460b56ef)] -> name: q, [TestingBot]]]
12:24:33.503 INFO - Done: [send keys: 0 [[ChromeDriver: chrome on LINUX (9221247
3834a124268a8fc70460b56ef)] -> name: q, [TestingBot]]]
12:24:33.505 INFO - Executing: [submit: 0 [[ChromeDriver: chrome on LINUX (92212
473834a124268a8fc70460b56ef)] -> name: q]]
12:24:34.318 INFO - Done: [submit: 0 [[ChromeDriver: chrome on LINUX (9221247383
4a124268a8fc70460b56ef)] -> name: q]]
12:24:34.320 INFO - Executing: [get title]
12:24:34.329 INFO - Done: [get title]
```



For AESEC's Codeception

In Admin backend, include **Login Form module**

```
/tests$ composer update
```

```
/tests$ mv acceptance.suite.dist.yml.drone acceptance.suite.yml
```

```
config:
  JoomlaBrowser:
    url: 'http://localhost/Joomla-567'
    browser: 'chrome'
    window_size: 1920x1080
#    restart: true
#    port: 9515
#    capabilities:
#    chromeOptions:
#      args: ["--headless", "--disable-gpu", "--no-
sandbox", "window-size=1920x1080"]
    username: 'ruslan'
    password: 'ruslan'
```

acceptance.suite.yml

```
/tests$ vendor/bin/codecept build
```

In **.drone.yml** , find out which script you need to run

If you wanna test **categories**, you will find

acceptance/frontend/Categories there

```
/tests$ vendor/bin/codecept run --debug acceptance/frontend/
Categories
```

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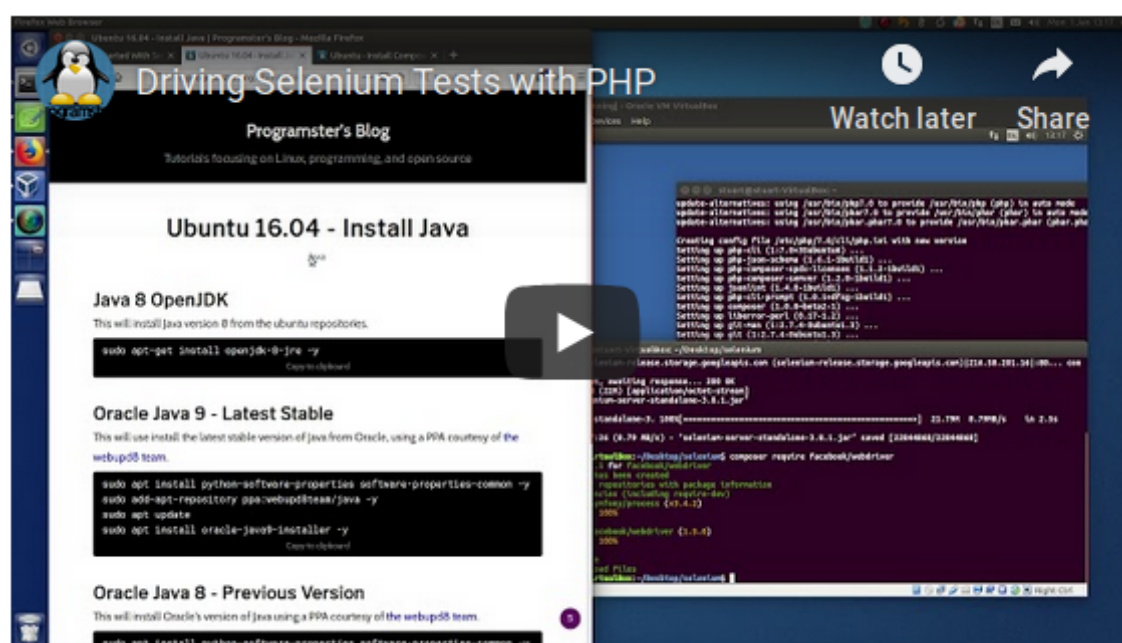
Getting Started With Selenium Testing using PHP

PHP Selenium

We all know that Selenium can be used to perform automated tests. Some of us may even already have a perfectly working testing solution that uses it. However, if you're like me, then you just never really got round to it because getting the tool working and writing the tests was such a pain in the butt. This tutorial aims to address that by giving instructions on using Selenium from scratch, which includes downloading Selenium and the necessary browser driver before then writing and running a test that was written in PHP (which I believe is much easier than using Java).

Walkthrough

Below is a video of me performing this tutorial myself on a freshly installed Ubuntu 16.04 desktop.



<https://www.youtube.com/watch?v=59WogvFzqUI>

Steps

Download the latest selenium standalone server from [this page](#). At the time of writing this tutorial, it is version 3.8.1

```
wget http://selenium-release.storage.googleapis.com/3.8/selenium-server-standalone-3.8.1.jar
```

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For the next step, You may require installing some php extensions

```
sudo apt-get install php7.0-zip php7.0-curl -y
```

Copy to clipboard

[Install composer](#) if you haven't got it already. Then use it to install the php webdriver from facebook.

```
composer require facebook/webdriver
```

Copy to clipboard

Run the selenium server with passthrough disabled. You may need to [install Java](#) if you haven't got it already.

```
java -jar selenium-server-standalone-3.8.1.jar -enablePassThrough false
```

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Get the latest chrome driver from [here](#).

```
wget https://chromedriver.storage.googleapis.com/2.34/chromedriver_linux64.zip
unzip https://chromedriver.storage.googleapis.com/2.34/chromedriver_linux64.zip
sudo mv -i chromedriver /usr/bin/.
```

Copy to clipboard

Get the gecko driver from the [releases page](#) for Firefox.

```
wget https://github.com/mozilla/geckodriver/releases/download/v0.19.1/geckodriver-v0.19.1-linux64.tar.gz
tar --extract --gzip --file gecko*
sudo mv -i geckodriver /usr/bin/.
```

Copy to clipboard

```
<?php

require_once(__DIR__ . '/vendor/autoload.php');

$host = 'http://localhost:4444/wd/hub'; // this is the default
$USE_FIREFOX = true; // if false, will use chrome.

if ($USE_FIREFOX)
{
    $driver = Facebook\WebDriver\Remote\RemoteWebDriver::create(
        $host,
        Facebook\WebDriver\Remote\DesiredCapabilities::firefox()
    );
}
else
{
    $driver = Facebook\WebDriver\Remote\RemoteWebDriver::create(
        $host,
        Facebook\WebDriver\Remote\DesiredCapabilities::chrome()
    );
}

$driver->get("http://www.google.com");

# enter text into the search field
$driver->findElement(Facebook\WebDriver\WebDriverBy::id('lst-ib'))->click();
sleep(1);
$driver->findElement(Facebook\WebDriver\WebDriverBy::id('lst-ib'))->sendKeys('programster selenium');
sleep(1);

# Click the search button
$driver->findElement(Facebook\WebDriver\WebDriverBy::name('btnK'))->click();
```

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References / Resources

- [Github - facebook/php-webdriver Wiki](#)
- [Github facebook / php-webdriver](#)
- [Selenium Downloads Page](#)
- [ChromeDriver - WebDriver for Chrome](#)

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