

# Selenium:

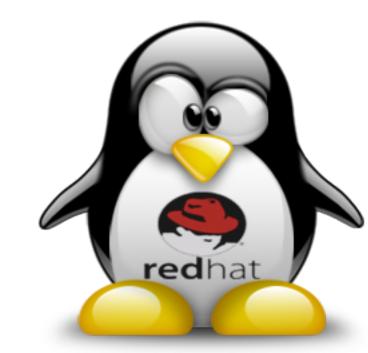
Application Testing

Jim Priest - Red Hat Triangle Area ColdFusion User Group August, 27 2015



#### About Me

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#### Introduction

#### What Is Selenium?

Selenium is a test tool for web applications. Selenium tests run directly in a browser, just as real users do. And they run in Internet Explorer, Mozilla and Firefox on Windows, Linux, and Macintosh.



Browser compatibility testing.

Test your application to see if it works correctly on different browsers and operating systems.



System functional testing.

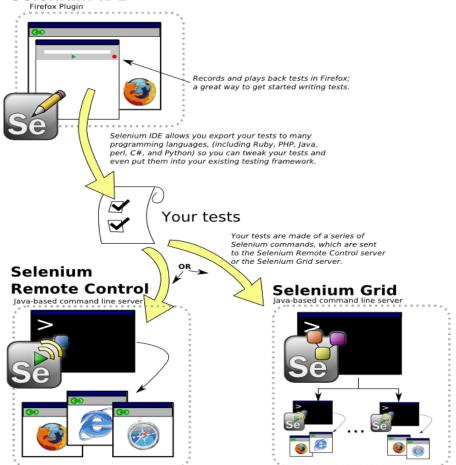
Create regression tests to verify application functionality and user acceptance.



#### Selenium IDE

Selenium Remote Control starts up

browsers (one at a time) and then



Selenium Grid coordinates multiple

Selenium Remote Control servers so

#### How It Works

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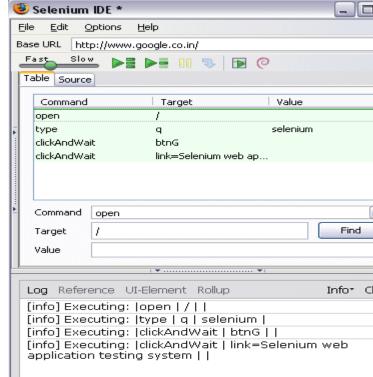




#### IDE

- The good
- •The bad
- ·The ugly

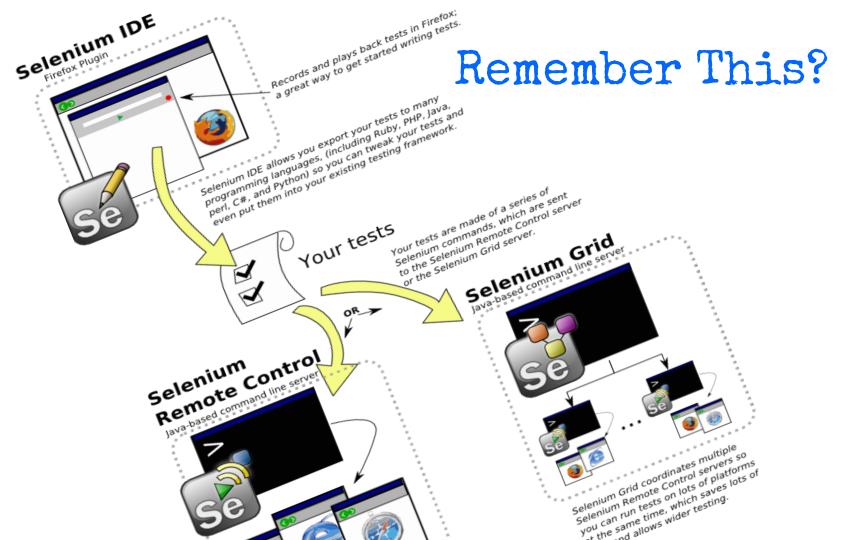




#### Meanwhile in Scotland...









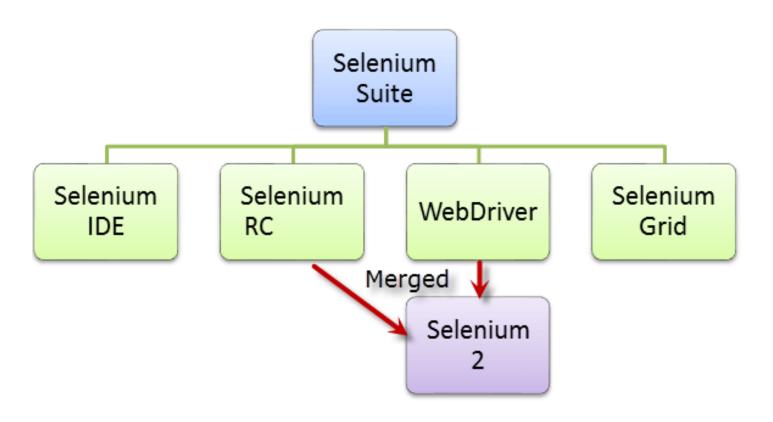








#### Selenium 2







































#### Linux Mac Windows Internet Explorer Selenium Core Selenium Core Remote Control Control Control Server Server · · · · · Machine boundary Selenium Grid Server ----- Machine boundary Java, Ruby, Python, Perl, PHP or .Net

#### WebDriver

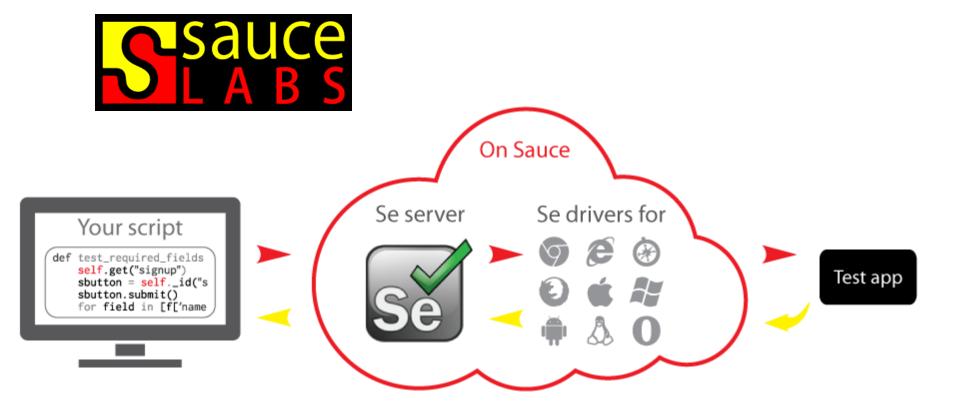


CI





#### Cloud





# Took me 10 minutes to find what's wrong with this picture.









































































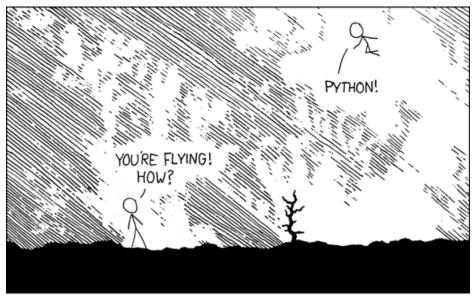


#### What is CFSelenium?

- Extends the Selenium IDE
- Record as CFML in MXUnit TestCase





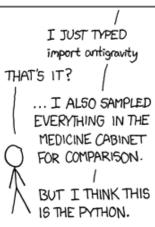


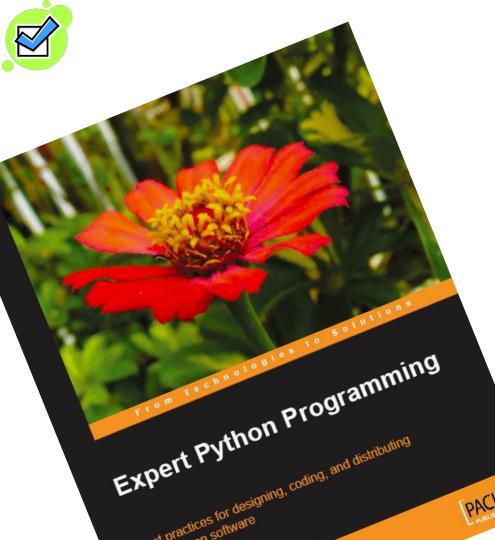
## Python











#### Disclaimer

I have not read this book and honestly have no idea what I'm doing in Python.

You have been warned.



#### Where To?

- → POM Page Object Model
- → Reporting
- → Database
- → Jenkins
- → Grid
- → Cloud



#### Resources

- http://www.seleniumhq.org/projects/webdriver/
- https://github.com/teamcfadvance/CFSelenium

