

# Selenium 2.0

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22 March 2012

# What?

- Automated web application testing tool
- Easy to program
  - Object-oriented API
- Multiple languages
  - Java, C#, Python, Ruby, Perl, PHP
- Selenium Webdriver 2.0
  - Also: Selenium Server, Selenium IDE
- <http://seleniumhq.org/>

# Who?

- ThoughtWorks
  - Global consultants
  - Rock Stars: Martin Fowler, Neal Ford
- Testing
  - <http://testing.thoughtworks.com/>
- Technology Radar
  - <http://www.thoughtworks.com/radar>

# Why?

- Client-side MVC (or MVP)
  - Most logic done in the browser
    - GWT, backbone.js, ember.js, spine.js
- Need to test as a user uses
  - Runs in all browsers
- Checks for
  - Static content
  - Links (find 404 errors)
  - Dynamic Elements
  - Ajax calls

# How?

- Setup

```
WebDriver driver = new FirefoxDriver();  
driver.get("http://www.google.com");  
WebElement element =  
    driver.findElement(By.id("coolestwidgetEvah"));
```

- Validate results

- assertTextPresent, assertElementPresent, etc

# Wat?

No “wat”, Selenium Webdriver is awesome!



<http://knowyourmeme.com/memes/wat>

# Demo

- Selenium IDE
- Selenium Webdriver
  - Crawl Lego site for Instruction PDFs
    - Code: <http://code.chadmaughan.com/cs6890-testing>