

Quick and Dirty Functional Testing with Selenium

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Agenda

- Architecture
- Demo
- Q&A

Architecture



Tool	Application
Selenium RC	Headless server process that runs test cases against browsers
Selenium IDE	Firefox-hosted test recording/playback environment
Selenium Core	Server deploy alongside web application

Feature Matrix



	Selenium IDE	Selenium Remote Control	Selenium Core	Selenium Core HTA
Browser Support	Firefox Only	Many	All	IE Only
Requires Remote Installation	No	No	Yes	No
Supports HTTPS/SSL	Yes	No	Yes	Yes
Supports Multiple Domains	Yes	No	No	Yes
Requires Java	No	Yes	No	No
Saves Test Results to Disk	Yes	Yes	No	Yes
Language Support	Selenese Only	Many	Selenese Only	Selenese Only

Demo



Extensions



```
// Add this to user-extensions.js
// All do* methods on the Selenium prototype are added as actions.
// Eg add a typeRepeated action to Selenium, which types the text
// twice into a text box. The typeRepeatedAndWait command will be
// available automatically
Selenium.prototype.doTypeRepeated = function(locator, text) {
    // All locator-strategies are automatically handled by "findElement"
    var element = this.page().findElement(locator);
    // Create the text to type
    var valueToType = text + text;
    // Replace the element text with the new text
    this.page().replaceText(element, valueToType);
};
```

Tips & Tricks



- Make your application test friendly
 - Database reset URL
 - Well formed HTML
 - ID on everything

Q&A

