

Beyond Watir

Scripting Web Tests

A One-Day Tutorial

July 2005

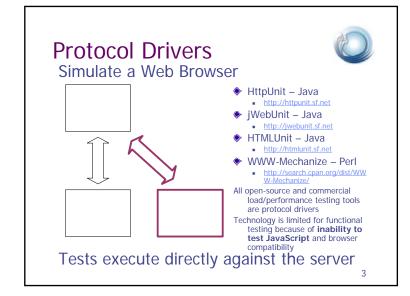
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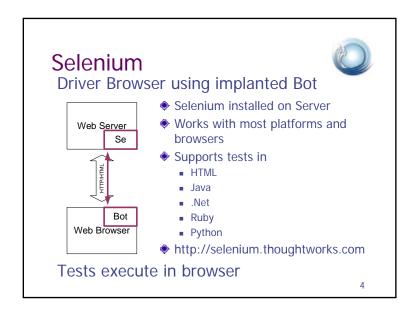
Other COM/DOM Drivers



- Samie Perl
 - http://samie.sourceforge.net
- Win32-IE-Mechanize Perl
 - http://search.cpan.org/dist/Win32-IE-Mechanize/
- Jiffie Java
 - http://jiffie.sourceforge.net
- Pamie Python
 - http://pamie.sourceforge.net
- IEUnit JavaScript
 - http://ieunit.sourceforge.net
- ◆ IETest C#
 - http://ietest.sourceforge.net

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Commercial Web Tools



- Some use COM/DOM drivers
- Most modify browser DLL's to include testability hooks
- Also send GUI events to the browser

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Windows GUI Testing



Win32 GUIs

- Win32-GuiTest Perl
- http://triumvir.org/prog/perl/guitest/
- AutoIt
 - Library delivered as ActiveX (COM/OLE) component, thus can be used from most languages
 - http://www.autoitscript.com/

.Net GUI Testing

- Effective GUI Test Automation, Li & Wu
 - How to build your own tool
- "Build Quick and Easy UI Test Automation Suites with Visual Studio .NET," James McCaffrey
 - http://msdn.microsoft.com/msd nmag/issues/03/01/UITestAuto mation/default.aspx
- "Automating Tests for .NET Applications in C#," Elisabeth Hendrickson
 - http://qualitytree.com/autotest/ dotnetqui.htm

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Java GUI Testing



- Abbot
 - http://abbot.sourceforge.net/
 - Testing Java with Java
- Marathon
 - http://marathonman.sourceforge.net/
 - Testing Java with Python

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Command Line Testing



- Expect, Don Libes
 - Automates Unix terminals
 - Uses Tcl or [incr Tcl]
 - Long-established.
 - Exploring Expect, Don Libes
 - http://expect.nist.gov/
 - http://wiki.tcl.tk/expect
 - http://www.csc.calpoly.e du/~dbutler/tutorials/win ter96/expect/

- Pexpect,
 - Expect for Python
 - http://pexpect.sourceforg e.net/
- Expect.pm
 - Expect for Perl
 - http://sourceforge.net/pr ojects/expectperl/

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Homebrew Test Automation



- A full-day seminar on how to build your own testing frameworks
- Covers most types of applications
- ◆Full seminar notes online
 - http://www.io.com/~wazmo/papers/homebrew_test_automation_200409.pdf

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