

Automated GUI Testing with froglogic Squish

Alex Spehr (alspehr@froglogic.com, [@blauzahl](#)), Stefan Gehn (stefan@froglogic.com)

About froglogic

- Headquarters in Hamburg, Germany
- Established in 2003 (privately funded)
- US Representation opened in 2009
- Large and growing customer base in USA, Europe and Asia
- Steady growth in revenue and profitable since 2003
- Total product focus on Squish
- More than 1300 companies using Squish today, including:



About Squish

- Cross-platform, cross-technology GUI Test Automation Tool
- Creating a GUI testcase
 - Record a test by point and click
 - Playback
 - Edit the test script to make it more robust (JavaScript, Python, Perl, Tcl, Ruby)
 - Put into continuous integration

About Squish

- Works on Windows, Linux, Unix, Mac OS X and embedded/mobile platforms (MeeGo, iOS, Maemo, etc.)
- Supports many GUI technologies:
 - Cross-platform: Qt + QML + WebKit, KDE, Tcl/Tk, Java/Swing, Java/SWT
 - Native: Windows, Mac OS X and iOS iPhone/iPad/iPod Touch
 - Cross-browser/platform: Web in IE, Firefox and Safari
- Dedicated GUI toolkit object recognition
- Capture & replay + powerful scripting in Squish IDE
- Remote/distributed test execution architecture
- Open formats and standards, command-line driven tools
- Integrations into test management tools (QualityCenter, Seapine, Hudson, Cruise Control, etc.)

Test Debugging - Input for the VerificationPoint Editor - Squish IDE 4.1.0

File Edit Navigate Search Run Squish Window Help

Variables

Name	Value

tst_case1 (suite_dll) | tst_pdfscreenshot (s) | *Verification Point

New Verification Point

Scriptified Properties VP | Insert

Name: VP1

▼ :Forename: LineEdit

text (QString) froglogic Expected Failure

General

Debug

suite_dllpreloadSkipTest - tst_pdfscreenshot [Squish Test]

Squish Debugging

main

Console

Squish ScriptConsole

>>>

Application Objects

Object	Type
<input type="checkbox"/> Address Book - Add	Dialog
<input type="checkbox"/> Forename:	QLabel
<input checked="" type="checkbox"/> LineEdit1	LineEdit
<input type="checkbox"/> Surname:	QLabel
<input type="checkbox"/> LineEdit2	LineEdit
<input type="checkbox"/> Email:	QLabel
<input type="checkbox"/> LineEdit3	LineEdit
<input type="checkbox"/> Phone:	QLabel
<input type="checkbox"/> LineEdit4	LineEdit
<input type="checkbox"/> OK	QPushButton
<input type="checkbox"/> Cancel	QPushButton
<input type="checkbox"/> Address Book - Unnamed	MainWindow
<input type="checkbox"/> Edit	QMenu
<input type="checkbox"/> File	QMenu

Properties

Property	Value
<input type="checkbox"/> placeholderText	
▶ <input type="checkbox"/> pos	{ x = 69, y = 11 }
<input type="checkbox"/> readOnly	false
▶ <input type="checkbox"/> rect	{ x = 0, y = 0, width = 133, height = ...
<input type="checkbox"/> redoAvailable	false
<input type="checkbox"/> selectedText	
▶ <input type="checkbox"/> size	{ width = 133, height = 20 }
<input type="checkbox"/> staticMetaObject	
<input type="checkbox"/> statusTip	
<input type="checkbox"/> styleSheet	
<input checked="" type="checkbox"/> text	froglogic
<input type="checkbox"/> tooltip	
<input type="checkbox"/> undoAvailable	true
<input type="checkbox"/> visible	true
<input type="checkbox"/> whatsThis	
<input type="checkbox"/> width	133
<input type="checkbox"/> windowFilePath	

Methods | Test Results | Runner/Server Log

Windows Taskbar: 15:28 5-8-2011