UI Test Capture Plugin

Plugin Information
View UI Test Capture on the plugin site for more information.

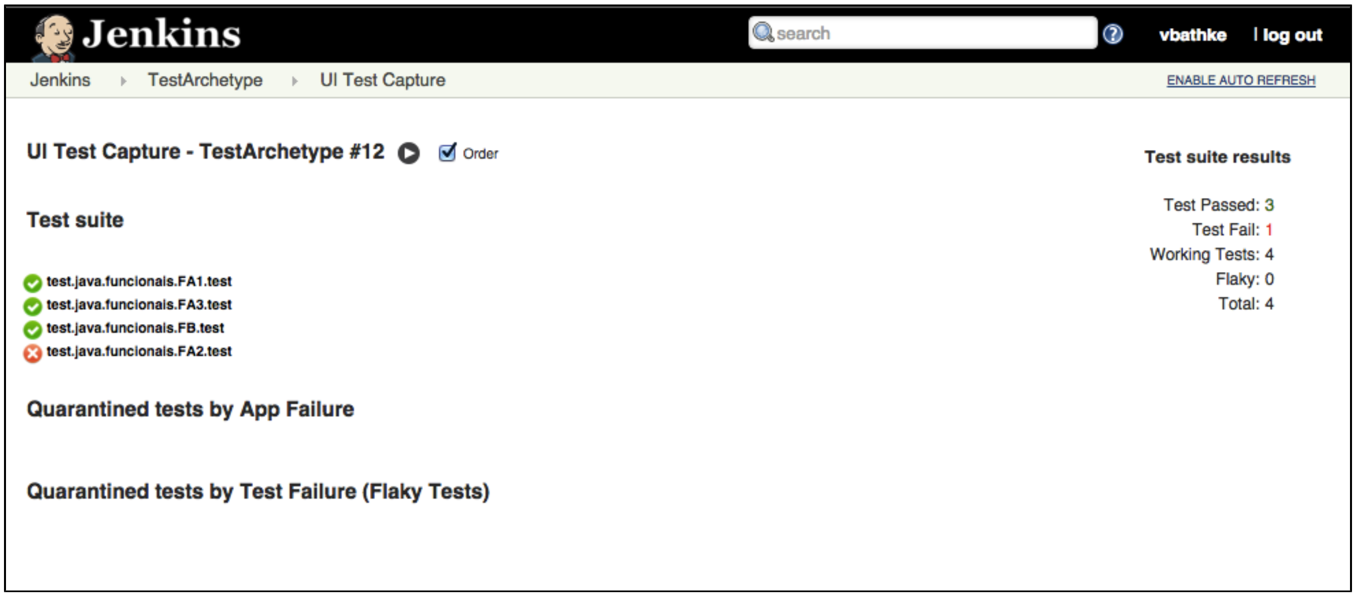
Summary

Stream, persist and classify UI Test Results from a running Build.

The plugin is agnostic about what test engine you use if the required informations was provided.

Features

See the results while they conclude



UI Test Capture - TestArchetype #12 ✓ Order

Test suite

✓ test.java.funcionais.FA1.test
✓ test.java.funcionais.FA3.test
✓ test.java.funcionais.FB.test
✗ test.java.funcionais.FA2.test

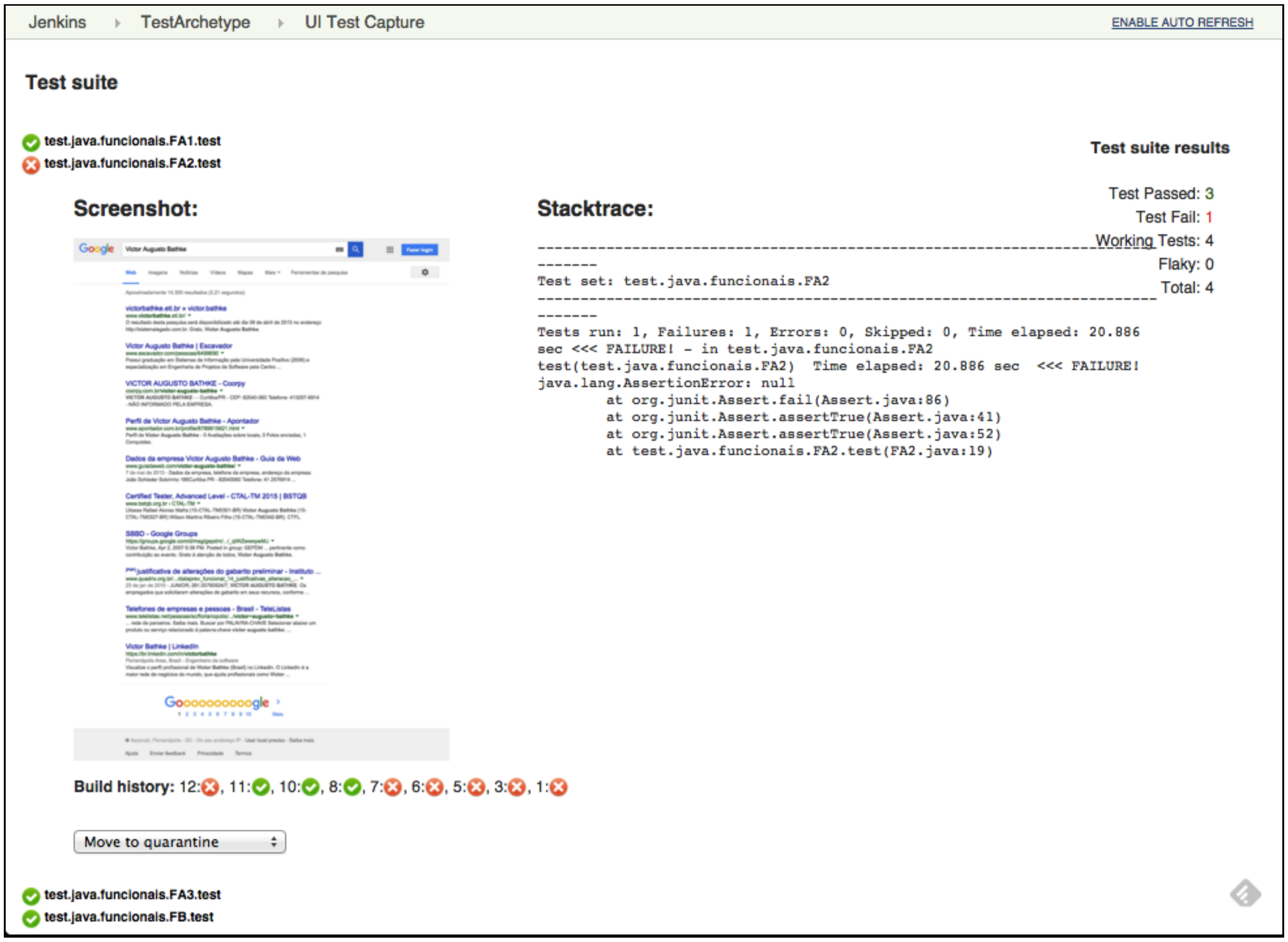
Quarantined tests by App Failure

Quarantined tests by Test Failure (Flaky Tests)

Test suite results

Test Passed: 3
Test Fail: 1
Working Tests: 4
Flaky: 0
Total: 4

If some test fail you can look at its screenshot and Build History



Jenkins › TestArchetype › UI Test Capture   ENABLE AUTO REFRESH

Test suite

✓ **test.java.funcionais.FA1.test**
✗ **test.java.funcionais.FA2.test**

Screenshot:

Stacktrace:

```
-------------------------------------------------------------------------------
-------
Test set: test.java.funcionais.FA2
-------------------------------------------------------------------------------
-------
Tests run: 1, Failures: 1, Errors: 0, Skipped: 0, Time elapsed: 20.886
sec <<< FAILURE! - in test.java.funcionais.FA2
test(test.java.funcionais.FA2)  Time elapsed: 20.886 sec  <<< FAILURE!
java.lang.AssertionError: null
        at org.junit.Assert.fail(Assert.java:86)
        at org.junit.Assert.assertTrue(Assert.java:41)
        at org.junit.Assert.assertTrue(Assert.java:52)
        at test.java.funcionais.FA2.test(FA2.java:19)
```

Test suite results

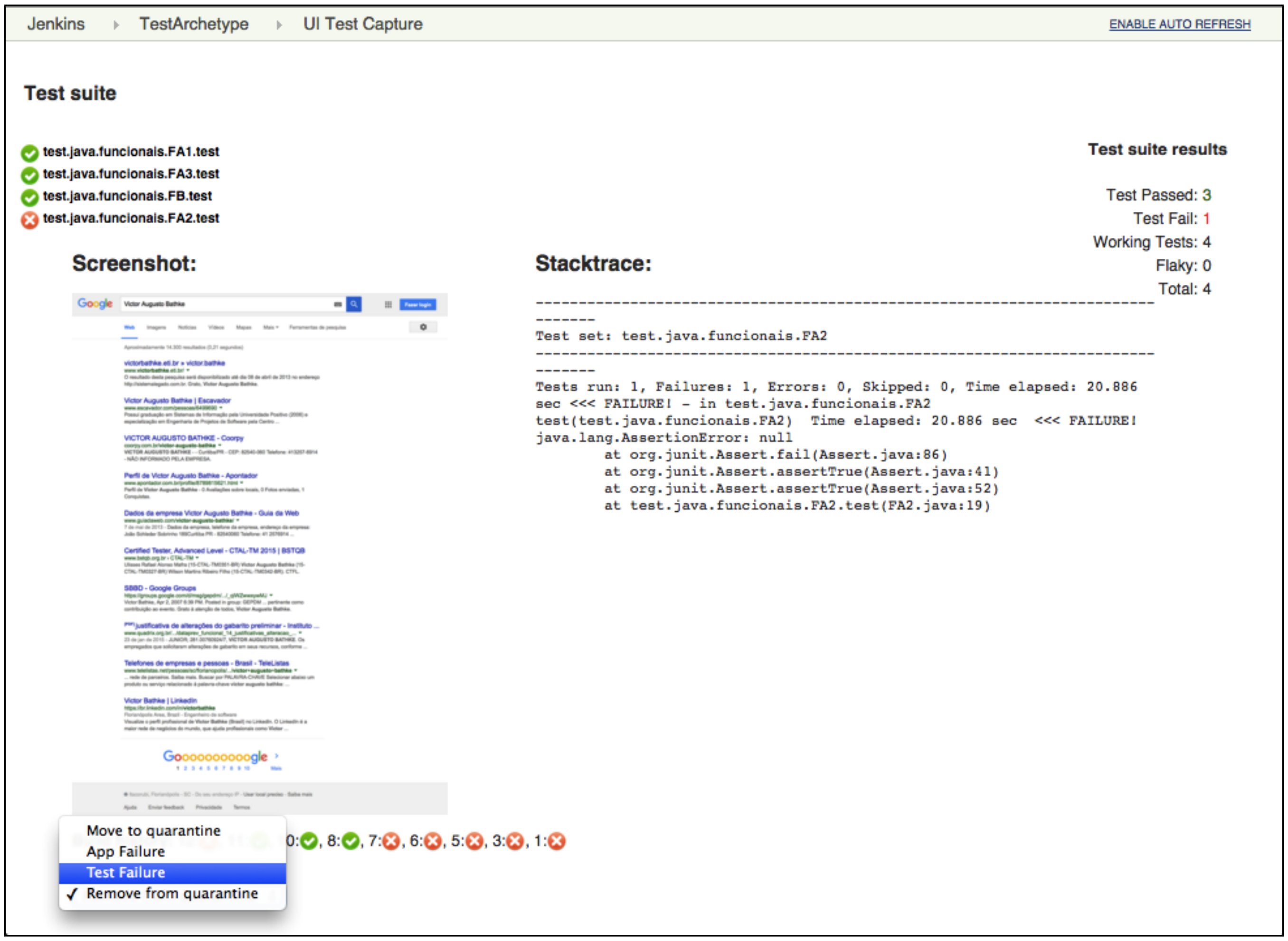
Test Passed: 3
Test Fail: 1
Working Tests: 4
Flaky: 0
Total: 4

Build history: 12:✗, 11:✓, 10:✓, 8:✓, 7:✗, 6:✗, 5:✗, 3:✗, 1:✗

Move to quarantine

✓ **test.java.funcionais.FA3.test**
✓ **test.java.funcionais.FB.test**

If some tests are Flaky and you want to separate from other tests you can classify them in "App failure" and "Test failure"



Test suite

✓ test.java.funcionais.FA1.test
✓ test.java.funcionais.FA3.test
✓ test.java.funcionais.FB.test
✗ test.java.funcionais.FA2.test

Test suite results

Test Passed: 3
Test Fail: 1
Working Tests: 4
Flaky: 0
Total: 4

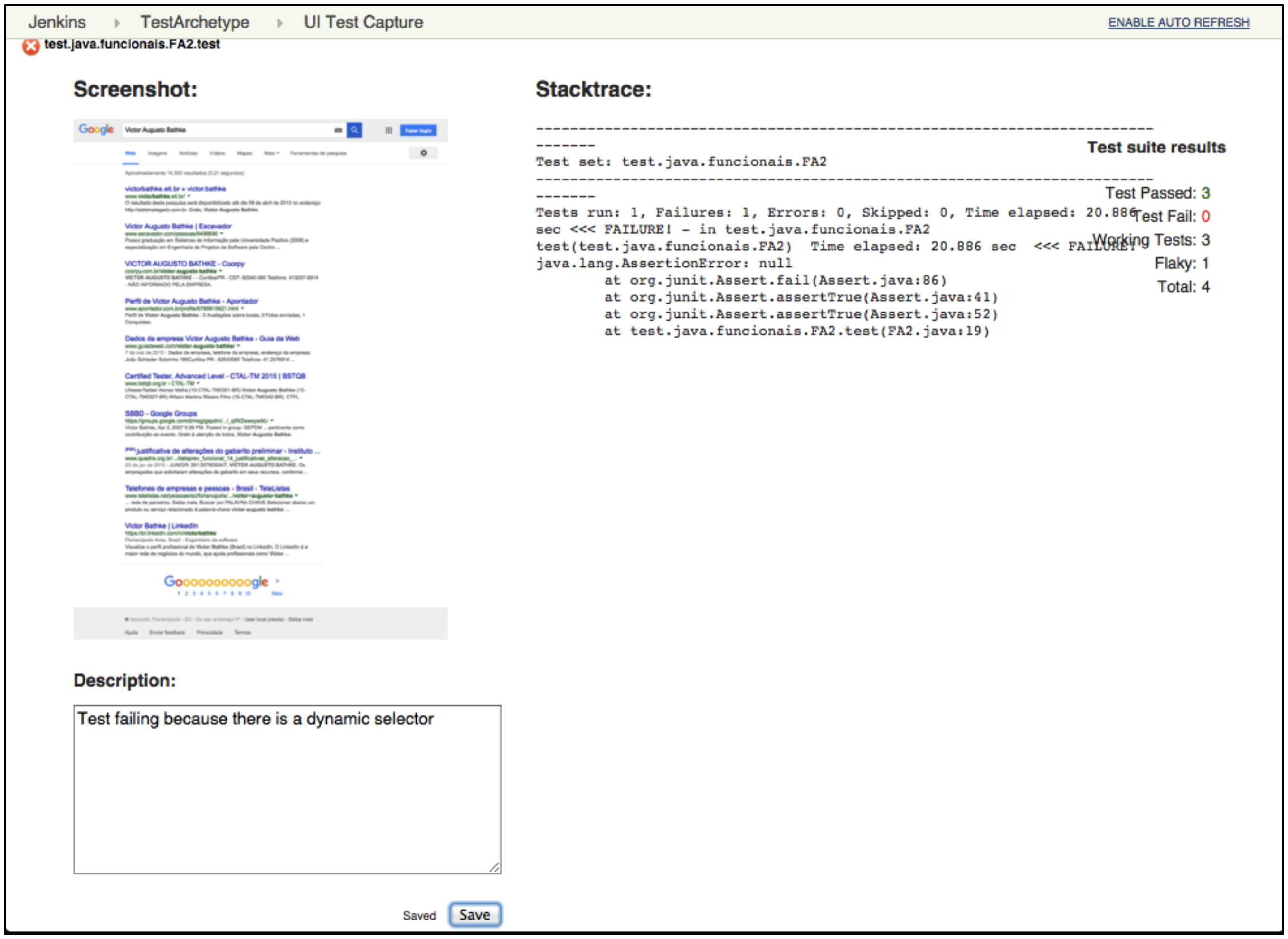
Screenshot:

Stacktrace:

```
-------------------------------------------------------------------------
-------
Test set: test.java.funcionais.FA2
-------------------------------------------------------------------------
-------
Tests run: 1, Failures: 1, Errors: 0, Skipped: 0, Time elapsed: 20.886
sec <<< FAILURE! - in test.java.funcionais.FA2
test(test.java.funcionais.FA2)  Time elapsed: 20.886 sec  <<< FAILURE!
java.lang.AssertionError: null
        at org.junit.Assert.fail(Assert.java:86)
        at org.junit.Assert.assertTrue(Assert.java:41)
        at org.junit.Assert.assertTrue(Assert.java:52)
        at test.java.funcionais.FA2.test(FA2.java:19)
```

0:✓, 8:✓, 7:✗, 6:✗, 5:✗, 3:✗, 1:✗

Write coments about tests to facilitate maintenance


Jenkins › TestArchetype › UI Test Capture
ENABLE AUTO REFRESH
test.java.funcionais.FA2.test

Screenshot:

Stacktrace:

```
-------------------------------------------------------------------------------
Test set: test.java.funcionais.FA2
-------------------------------------------------------------------------------
Tests run: 1, Failures: 1, Errors: 0, Skipped: 0, Time elapsed: 20.886 sec <<< FAILURE! - in test.java.funcionais.FA2
test(test.java.funcionais.FA2)  Time elapsed: 20.886 sec  <<< FAILURE!
java.lang.AssertionError: null
	at org.junit.Assert.fail(Assert.java:86)
	at org.junit.Assert.assertTrue(Assert.java:41)
	at org.junit.Assert.assertTrue(Assert.java:52)
	at test.java.funcionais.FA2.test(FA2.java:19)
```

Test suite results

Test Passed: 3
Test Fail: 0
Working Tests: 3
Flaky: 1
Total: 4

Description:

Test failing because there is a dynamic selector

Configuration

1. Implement the instrunctions to write the screenshot of the test method before the test close with the following filename convention:

```
target/screenshots/[Test Method].png
```

Exemple in Selenium with Java:

```
String actualTest = this.getClass().getName()+"."+testname.getMethodName();
File scrFile = ((TakesScreenshot)FabricaWebDriver.getDriver()).getScreenshotAs(OutputType.FILE);
FileUtils.copyFile(scrFile, new File("target/screenshots/"+actualTest+".png"));
```

2. Also before the test finish, append the test result informations in a text file located on "target /teststream.txt" with the following format:

```
{"metodo":"[Test Method], "status":"[Test Result]", "classe":"[Test Class]", "descricao:":"[Display Test Method]"}
```

Exemple in Selenium with Java:

```
    @Rule
    public TestWatcher watcher = new TestWatcher() {     @Override
     protected void failed(Throwable e, Description description) {
         status= "falha";
     }
     @Override
     protected void skipped(AssumptionViolatedException e, Description description) {
         status= "skiped";
     }
     @Override
     protected void succeeded(Description description) {
         status= "sucesso";
     }
     @Override
     protected void finished(Description d) {
         try {
             PrintWriter out = new PrintWriter(new BufferedWriter(new FileWriter("target/teststream.txt",
true)));
             out.println("{\"metodo\":\""+actualTestMethod+"\", \"status\":\""+status+"\", "
                + "\"classe\":\""+actualTestClass+"\", \"descricao\":\""+actualTestMethod+"\"}");
             out.close();
         } catch (IOException e) {
          e.printStackTrace();
         }
     }
    };
```

3. Jenkins Configuration

1. On the Job configuration active this plugin with the action "UI Test Capture" on Post-build Action
2. Add the action 'Arquive Artifacts' on Post-build Action with the value:

```
    target/screenshots/**/*
```

Changelog

Release 1.0.41 (25 October 2015)

- First public release