

TestLink Test Task Force



Test Summary Report (TestLink 1.7.2)

Test Project: Test Task Force

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1 Introduction

The TestLink "Test Task Force (TTF)" is the organization of testing teams for TestLink product. These teams are independent of developers and the members are joining from all over the world. The team members executed test in order to validate TestLink 1.7.2. In this report, we provide the summary of the test execution.

2 Overview of Test Plan

2.1 Summary

This test run has the following objectives.

- Test the basic features of TestLink 1.7.2 before the release.
- Automate the part of test process using Selenium.
- Test mainly the migration function from old TestLink to new one.

To use the build "testlink_1.7.2 (testing release)", the test was executed. The build is pre-release of TestLink 1.7.2 in order to test it. We were executing 39 test cases in 5 days. Five testers, Masami Ichikawa, Shinsuke Matsuki, Sadahiko Hantani, AZMA Daisuke and Toshiyuki Kawanishi created test cases and executed them.

The test cases have been mainly categorized in two test suites. The first test suite covers the basic feature of TestLink. The tests validate the main functions and the localization briefly. The second test suite is created for checking to upgrade from old version to 1.7.2.

2.2 View Results

All test cases for basic features are passed but the test cases related to the following two features are failed or blocked. One of the features is the function of PHP extension checking which appear first in the version. Another is the installer functionality with Microsoft SQL Server. These are the main change in version 1.7.2. It seems to show worth of the test.

See "Test Results Report" for the further details of the test results.

2.3 Incidents Reports

- 1 [New Incident] Check-Miss of PostgreSQL Extension
Mantis #0001239
- 2 [New Incident] Requirement assignment is unworking with MS-SQL
Mantis #0001240
- 3 [New Incident] Migration 1.6.3-1.7.2 Misses Test Case Names
Mantis #0001241

4 [New Incident] Misdescription of Migration Title in Installer Menu
Mantis #0001242

5 [Request] MS-SQL 2005 Support
Mantis #0001243

TestLink development team has already fixed these incidents excluding the fifth that is tested now. In addition, TestLink 1.7.3 has been released with the changes.

3 Comments

3.1 Selenium

We are using "Selenium" for automation testing. It is an open source testing tool for web based software. One of the members of this team, Masami is writing Selenium test cases for TestLink. The test cases are written by HTML in selenium format. You can download the experimental version from subversion repository on SourceForge.JP.

- Export via svn: <http://svn.sourceforge.jp/svnroot/te-stlinkjp/tool/autotest/>
- Get tar-ball: <http://svn.sourceforge.jp/cgi-bin/vi-ewcvs.cgi/tool/autotest/?root=testli-nkjp>

In addition, he runs automatically test from Python script. The testing automation system is configured as figure 1. The script downloads the resent build of the product under test and kicks off the Selenium-RC. Testers check the log of Selenium and post the test result to TestLink. Note that you can run normally the test cases with Selenium IDE without Python script.

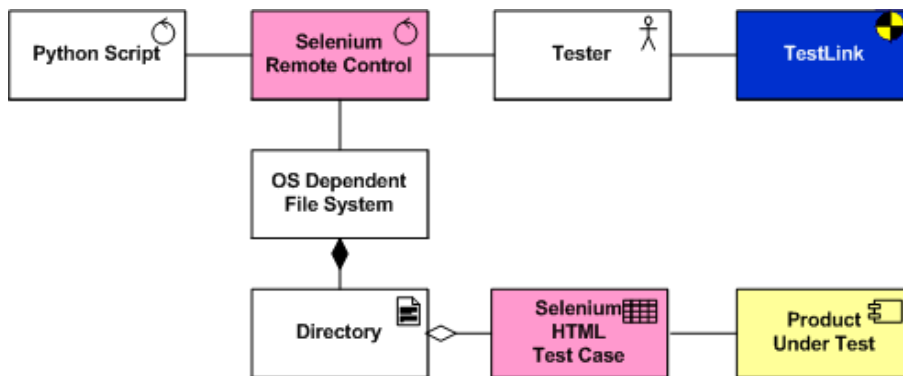


Figure 1: Automation with Selenium

We will be able to advance to the second phase of automation after next TestLink major release 1.8. See our previous documents in details.

Acknowledgments

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References

- [1] TestLink Test Task Force, "Test Results Report (TestLink 1.7.2)", Technical Report - 3, 2007, <http://testlinkjp.org/testtaskforce>.
- [2] TestLink Test Task Force, "Test Summary Report (Trial Version)", Technical Report - 2, 2007, <http://testlinkjp.org/testtaskforce>.
- [3] Microsoft Corporation, "Microsoft SQL Server", <http://www.microsoft.com/sql/>.
- [4] Python Community, "Python Programming Language", <http://www.python.org/>.

Announcements

Do you think that the activities of Test Task Force are exciting? We welcome your contributions. By your testing, TestLink can get more advantage. Please visit our web site and contact us at the following e-mail address.

- <http://testlinkjp.org/testtaskforce/>
- testlink.ttf.admin@gmail.com