

Test Management tools



What is it?

Why?

How to choose

- Integration with Jira.
- Good reporting capabilities (much like Zephyr).
- Support for agile teams.
- Support for multiple projects over multiple iterations.
- Nice, clean and intuitive interface.

Test Management Tools

1.) TestLink : TestLink

This is one of the very few **open source test management tools** available for use in the market. It is a web-based tool with typical features like, requirement management, test case creation and maintenance, test runs, tracking bugs, reports, integration with common issue trackers.

Test Management Tools

2.) Test Run :

a web based commercial test management process that is easy and simple to use. It has all that you need to create test plans, execute them successfully and report. Integrates with JIRA and LightHouse

Test Management Tools

3.) GEMINI : GEMINI

One of the key components of this tool is supporting 'Testing & QA' along with the other aspects like Project Planning, issue tracking etc. Using this tool you could create test plans, test cases, test runs, traceability, test run reports etc. There are also various integrations and extensions available.

Test Management Tools

4.) TestLodge : TestLodge

This is a comprehensive test case management tool that has 4 key aspects – Test Plan, requirements, Test suites/cases and test runs. So, as you can see, it has everything it needs to be able to manage test cases for you. For all the other operations, it integrates with the many main stream incident/issue management tools to provide a comprehensive solution.

Testlodge

Test Management Tools

What is Testlodge?

TestLodge is a test management tool to manage project requirements, test plans, test cases, test runs and reporting. Simple and easy to learn interface makes this tool stand out from other available tools. Your team can access it from anywhere as it's a web-based cloud hosted tool.

Why use Testlodge?

- **NO INSTALL REQUIRED** : TestLodge is a hosted web app. You don't need to worry about any install or multiple licenses and everything is setup for you straight away.
- **COLLABORATIVE ONLINE WORKING** : With no user limits, TestLodge allows the entire team to manage test plans, requirements, test cases and test runs all in one place.
- **INSTANT INSIGHT** : With all test cases and results in one place, along with activity feeds and graphs, you will easily be able to see the status of each project.

Using TestLodge

End-to-end test cycle using TestLodge:

- Create new project
- Create test plan (you can create test plan using predefined test plan template which can be updated as per your requirements)
- Add requirements
- Write test cases
- Assign test cases to testers
- Execute test cases (update test cases with status – Passed, failed, skipped, not run)
- Run reports and track progress – Measuring test metrics is very critical to improve team productivity. Graphical report representation and charts make it very simple to measure team performance and project QA status. You can view test reports for individual test runs or in group for test suites.

Example

masterdragon.testlodge.com

TestLink

Test management Tools

What is Testlink?

TestLink is a web-based test management system that facilitates software quality assurance. It is developed and maintained by Teamst. The platform offers support for test cases, test suites, test plans, test projects and user management, as well as various reports and statistics.

Bug Tracking System

BugZilla (Free) : Web-based general-purpose bugtracker and testing tool

Mantis (Free) : Web-based general-purpose bugtracker and testing tool . The most common use of MantisBT is to track software defects

Redmine (Free) : Web-based project management and bug-tracking tool. It includes a calendar and Gantt charts to aid visual representation of projects and their deadlines. Redmine is written using the Ruby on Rails framework

Installation
















Download testlink : <http://testlink.org/>

Server+Mysql : appserv,wamp,...

PHP : 5.4 or more than

Local Disk (C:) > wamp > www

Include in library > Share with > Burn > New folder

Name ^	Date modified	Type	Size
 App	10/19/2013 10:44 AM	File folder	
 BackBone	1/11/2014 9:29 PM	File folder	
 Backup	12/19/2013 9:41 AM	File folder	
 DB	2/10/2014 8:22 AM	File folder	
 DWH	12/23/2013 10:18 AM	File folder	
 Egg8	12/4/2013 5:36 AM	File folder	
 Jokeassder	2/6/2014 11:07 AM	File folder	
 testlink-1.9.9	2/23/2014 9:57 AM	File folder	
 TSP	10/25/2013 7:49 AM	File folder	
 Validation	11/14/2013 6:08 PM	File folder	
 DWH.rar	12/22/2013 8:51 AM	WinRAR archive	1,075 KB
 index.php	2/20/2014 10:26 PM	PHP File	21 KB
 test.php	2/10/2014 7:49 AM	PHP File	1 KB
 testlink-1.9.9.tar.gz	2/20/2014 10:29 PM	WinRAR archive	25,684 KB
 testmysql.php	6/23/2013 11:56 AM	PHP File	1 KB

☐ TestLink 1.9.9(Lone Ranger) Installation

You are installing TestLink 1.9.9(Lone Ranger)

Migration from 1.9.3/4/5/6/7/8 to 1.9.9(Lone Ranger) require Database changes that has to be done MANUALLY. Please read README file provided with installation.

For information about Migration from older version please read README file provided with installation.

Please read Section on README file or go to <http://forum.testlink.org> (Forum: TestLink 1.9.4 and greater News,changes, etc)

Open [Installation manual](#) for more information or troubleshooting. You could also look at [README](#) or [Changes Log](#). You are welcome to visit our [forum](#) to browse or discuss.

☐ [New installation](#)

Maximum Session Idle Time before Timeout	24 minutes and 0 seconds - (Short. Consider to extend.)
Checking max. execution time (Parameter max_execution_time)	30 seconds - We suggest 120 seconds in order to manage hundred of test cases (edit php.ini)
Checking maximal allowed memory (Parameter memory_limit)	OK (128 MegaBytes)
Checking if Register Globals is disabled	OK
Checking MySQL Database	OK
Checking Postgres Database	Failed! Postgres Database cannot be used.
Checking MSSQL Database	Failed! MSSQL Database cannot be used.
Checking GD Graphic library	OK
Checking LDAP library	Failed! LDAP library not enabled. LDAP authentication cannot be used. (default internal authentication will works).
Checking JSON library	OK

Read/write permissions

For security reasons we suggest that directories tagged with [S] on following messages, will be made UNREACHABLE from browser.
Give a look to README file, section 'Installation & SECURITY' to understand how to change the defaults.

Checking if C:\wamp\www\testlink\gui\templates_c directory exists	OK
Checking if C:\wamp\www\testlink\gui\templates_c directory is writable (by user used to run webserver process)	OK
Checking if /var/testlink/logs/ directory exists [S]	Failed!
Checking if /var/testlink/upload_area/ directory exists [S]	Failed!

Local Disk (C:) > wamp > www > testlink >

urn New folder

Name ^	Date modified	Type	Size
Custom	2/23/2014 9:57 AM	File folder	
docs	2/23/2014 9:57 AM	File folder	
gui	2/23/2014 9:57 AM	File folder	
install	2/23/2014 9:57 AM	File folder	
lib	2/23/2014 9:57 AM	File folder	
locale	2/23/2014 9:57 AM	File folder	
logs	2/23/2014 9:57 AM	File folder	
third_party	2/23/2014 9:57 AM	File folder	
upload_area	2/23/2014 9:57 AM	File folder	
.gitignore	11/17/2013 12:49 AM	GITIGNORE File	1 KB
.project	11/17/2013 12:49 AM	PROJECT File	1 KB
BUYING_SUPPORT.TXT	11/17/2013 12:49 AM	Text Document	1 KB
CHANGELOG	11/17/2013 12:49 AM	File	230 KB
CODE_REUSE	11/17/2013 12:49 AM	File	1 KB
config.inc.php	11/17/2013 12:49 AM	PHP File	61 KB
custom_config.inc.php.example	11/17/2013 12:49 AM	EXAMPLE File	10 KB

open with editor

Installation

```
* put it out of reach via web or configure access denied.  
/  
$tlCfg->log_path = '/var/testlink/logs/'; /* unix example */  
$tlCfg->log_path = 'C:/wamp/www/testlink/logs';  
/  
/**  
* @var string How to warning user when security weak points exists
```

```
* (see http://itsecuritysolutions.org/2012-08-13-TestLink-1.9.3-multiple  
* Put it out of reach via web or configure access denied.  
*  
$g_repositoryPath = '/var/testlink/upload_area/'; /* unix example */  
$g_repositoryPath = 'C:/wamp/www/testlink/upload_area';  
/  
* compression used within the repository  
* TL_REPOSITORY_COMPRESSIONTYPE_NONE => no compression
```

	OK
run webserver process)	OK
	OK
used to run web server	OK

Installation

Database admin login

Database admin password

*This user requires permission to create databases and users on the Database Server.
These values are used only for this installation procedures, and is not saved.*

Define database User for Testlink access:

TestLink DB login

TestLink DB password

Installation



Role permission

TestLink is built with 6 different default permission levels built in. These permission levels are as follows:

- **Guest** : A guest only has permission to view Test Cases, reports and metrics. He cannot modify anything.
- **Test Executor** : A tester has permissions to see and run tests allocated to them.
- **Test Designer** : A user can fully work (view and modify) with Test Specification and Requirements.
- **Test Analyst** : A tester can view, create, edit, and delete Test Cases as well as execute them. Testers lack the permissions to manage Test Plans, manage Test Projects, create milestones, or assign rights. (initially Senior tester).
- **Test Leader**: A lead has all of the same permissions as a Tester but also gains the ability to manage Test Plans, assign rights, create milestones, and manage keywords.
- **Administrator**: An admin has all possible permissions (leader plus the ability to manage Test Projects and users).

References

[https://wiki.openoffice.
org/w/images/1/1b/Testlink_user_manual.pdf](https://wiki.openoffice.org/w/images/1/1b/Testlink_user_manual.pdf)

[http://www.slideshare.
net/DialogWebdesign/test-link-5330869](http://www.slideshare.net/DialogWebdesign/test-link-5330869)

GEMINI TRACKER

Test Management tool

What is Gemini Tracker?

What is Gemini Tracker?

Gemini Tracker is the test management tool which allows you or your company to manage task, feature, change request, story, ticket, bug report and more.

Website : <http://www.countersoft.com/>

Technical Information

Useful information about
Gemini Tracker

<http://docs.countersoft.com/>

Pros and Cons

Gemini Tracker

Pros

- +Good tools for company(supports group working and assignment).
- +Covers the whole project segment(from ideas to testing).
- +Supports multiple users for trial-version.

Cons

- Interface is not friendly to new-user.
- No sample data to try out.
- Not a free software.

TEST RUN

Test Management tool

What is Test Run?

What is Test Run?

Test Run is the test management tool which allows you and your collaborators to manage TEST CASE(s) and TEST PLAN(s).

Website : <http://www.runtestrn.com>

14 days free trial (Single user only)

Pros and Cons

Test Run

Pros

- +Very clean user interface.
- +Very easy to understand and use for the new users.
- +Can assign works to people in group(only full version only).

Cons

- Only available for single-person usage in free-trial version (14 days).
- Fewer option compared to Gemini Tracker.
- Not a free software.