



How to setup bugtracking system integration

Eventum example

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Overview.....	1
Configuration example - Eventum.....	2
Environment.....	2
Step 1 - Eventum Configuration.....	2
Step 2 - Test Link - Configure Eventum interface.....	2
Step 3 - Test Link - Enable BTS integration.....	3
Step 4 - Test Link - Change int_bugtracking file.....	3

Overview

The integration between **Test Link 1.7** and a Bug Tracking System (BTS) has the following characteristics

- All communication between Test Link and the BTS is done through database tables.
- Testlink (at the time of this writing) is neither able to send data to the BTS, either able to receive data from the BTS, in the traditional model of function call.

After all the configuration is up and running, from a testlink user point of view the process will be:

1. While executing a test, it fails.
2. User saves execution result.
3. On the table displaying execution results data, an icon to access BTS feature will be available.
4. User clicks on link that opens BTS web page used for issue reporting.
5. After issue reporting, user has to take note of issue ID assigned by BTS, to input it into Testlink.
6. User returns to Testlink test execution page, and writes the issue ID in the bug input.
7. After user saves the execution, Testlink will display data taken from the BTS database.



Configuration example - Eventum

This configuration is valid for Test Link 1.7.0 or greater.

Environment

- Testlink and Eventum installed on the same webserver

Eventum URL	http://localhost/eventum
Test Link URL	http://localhost/testlink
Eventum Database name	eventum
MySQL user/password to access Eventum DB	eventum_user/eventum_password

Step 1 – Eventum Configuration

- anonymous login into eventum has to be turned on.
- a eventum user with viewer rights to all public projects, must be created. (anonymous account)

Change/add following lines in your eventum config_inc.php (replace **dummy** with the anonymous account you will use)

```
# --- anonymous login -----  
# Allow anonymous login  
$g_allow_anonymous_login = ON;  
$g_anonymous_account = 'dummy';
```

Step 2 – Test Link – Configure Eventum interface

Edit file **<your testlink main directory>/cfg/eventum.cfg.php**.

```
/** The DB host to use when connecting to the eventum db */  
define('BUG_TRACK_DB_HOST', 'localhost');  
  
/** The name of the database that contains the eventum tables */  
define('BUG_TRACK_DB_NAME', 'eventum');  
  
/** The DB type being used by eventum */  
define('BUG_TRACK_DB_USER', 'eventum_user');  
  
/** The DB password to use for connecting to the eventum db */  
define('BUG_TRACK_DB_PASS', 'eventum_password');  
  
/** link to the bugtracking system, for viewing bugs */  
define('BUG_TRACK_HREF', "http://localhost/eventum/view.php?id=");  
  
/** link to the bugtracking system, for entering new bugs */  
define('BUG_TRACK_ENTER_BUG_HREF', "http://localhost/eventum/");
```



Step 3 – Test Link - Enable BTS integration

Add following lines, with red colour, into **config.inc.php**
Copy the following lines from **config.inc.php** to **custom_config.inc.php**.

```
// -----  
/** [Bug Tracking systems] */  
/**  
* TestLink uses bugtracking systems to check if displayed bugs resolved, verified,  
* and closed bugs. If they are it will strike through them  
*  
* NO : no bug tracking system integration  
* BUGZILLA : edit configuration in TL_ABS_PATH/cfg/bugzilla.cfg.php  
* MANTIS : edit configuration in TL_ABS_PATH/cfg/mantis.cfg.php  
* JIRA : edit configuration in TL_ABS_PATH/cfg/jira.cfg.php  
* TRACKPLUS : edit configuration in TL_ABS_PATH/cfg/trackplus.cfg.php  
* EVENTUM : edit configuration in TL_ABS_PATH/cfg/eventum.cfg.php  
*/  
$g_interface_bugs='NO';
```

On **custom_config.inc.php** change line:

```
$g_interface_bugs='NO';
```

Final result:

```
$g_interface_bugs='EVENTUM';
```

Step 4 – Test Link – Change int_bugtracking file

Add following lines, with red colour, into int_bugtracking.php file.

```
$configFiles = array(  
    'BUGZILLA' => 'bugzilla.cfg.php',  
    'MANTIS' => 'mantis.cfg.php',  
    'JIRA' => 'jira.cfg.php',  
    'TRACKPLUS' => 'trackplus.cfg.php',  
    'EVENTUM' => 'eventum.cfg.php',  
);  
//This holds the interface definition file names for the bugtracking interfaces  
//located in the lib/bugtracking directory  
$interfaceFiles = array(  
    'BUGZILLA' => 'int_bugzilla.php',  
    'MANTIS' => 'int_mantis.php',  
    'JIRA' => 'int_jira.php',  
    'TRACKPLUS' => 'int_trackplus.php',  
    'EVENTUM' => 'int_eventum.php',  
);
```



Step 5 – Test Link – Change int_eventum.php

If you use different configuration of eventum DB, please change SQL query in int_eventum.php file.