Le Test Management Pour Tous

Eric Gavaldo – 6 Janvier 2011
XQUAL

**What**

- **XStudio** is a Test Management System that:
  - Gathers all your tests (generation of test plans)
  - Builds your test campaigns (manually or using filters)
  - Schedules and executes them in sessions (generation of test reports)
  - Deport test execution on remote agents (using **XAgent**)
- But it also manages your **specifications** (requirements and functional specifications with a configurable workflow) and **external documents** (including versioning and locking mechanisms)
- your **users** (rights, availability, holidays, absences etc.)
- your **projects** –scrum oriented– (generation of burn down charts)
- your **bugs** (integrated or from third-party tools)
- **XStudio** also builds some relationships between the SUTs, the documents, the tests and the defects hence allowing to generate many indispensible metrics (coverage, traceability matrix etc.)
How

• **XStudio** is based on the robust and reliable MySQL database
• **XStudio** can be used through its native client and/or directly from your browser:
  - Easy install (installer on windows, simple unzip on Linux/MacOSX/Apache)
  - Automatic/transparent migration of the database schema when updating
• Internal architecture based on OO concepts & java templates allowing:
  - Rapid development
  - Improved reliability
• Using of internal XML interfaces allowing:
  - Easy connectivity with third-party tools (Mantis, Bugzilla, TRAC, JIRA)
  - Reusable components
• LGPL SDK allowing to interface XStudio with ANY kind of tests (even proprietary) through « launchers »
• **XStudio** is localized (already including English, French, Spanish, German, Italian, Chinese)
Developing a launcher is trivial and **XStudio** is already provided with a number of ready-to-be-used open-source LGPL launchers including:

- Selenium
- Selenium .Net
- Selenium Html
- Selenium Java/(testNG/Junit)
- Junit v3/v4 tests
- Firefox tests
- JMeter
- JMeter Load DB
- JMeter Load Web
- JMeter JMX
- QuickTest Pro
- Plus 3 great launchers for manual testing

- Marathon scripts
- Marathon testing
- TestComplete tests
- TestPartner tests
- AutoIt scripts
- Squish Qt
- Squish Windows
- Squish Web
- Java/Beanshell scripts
- PyUnit tests
- Python scripts
- TCL scripts
- Perl scripts
- Ranorex tests
- Sahi tests
- Visual Studio Team System
- And more...
What else?

- Import of data (requirements, specifications, tests) from XML, CSV, Excel
- Self-customization of the **test plans** and all the **reports** through standard **XSLT** transforms
- Email notifications (test reports, status changes, defects changes etc.)
- **UTF-8** support: the generated reports and email notifications can use any character sets including French, German, Chinese, Japanese, Arab, Hebrew etc.
- Rules to define test execution ordering
Create and execute your test campaigns
Discover and create your bugs
Impact of a bug
Status of SUT
Coverage computation

SUT   Requirements   Specifications   Tests   Campaigns

Req 1  Manual 1

Req 2  Manual 2

Req 3  Manual 3

Spec 1

Spec 2

Spec 3

Spec 5

Spec 6

Spec 8

Manual 6

Manual 8

GS Failure

GS Success

5 tests missing

1 useless test