XQUAL
create.trust

Providing
INNOVATIVE solutions
to manage your quality
at an affordable price

XStudio, XAgent and a complete set of out-of-the-box launchers enable you to deliver better, faster and cheaper solutions, in a repeatable way!

Xqual's leading test management/ALM solution handles the complete life cycle for your projects. XStudio provides by far **the best test engine orchestration on the market**, supporting more than **75 automated test frameworks**, 5 different **manual testing interfaces** and an API to execute your proprietary tests.

XStudio orchestrates fully automated, semi-automated or manual test campaigns. It comes with an integrated requirement and specification management module and a bug-tracking database. Connectors are also provided to connect real-time with JIRA, Mantis, Bugzilla, trac, ClearQuest, Redmine or VersionOne.

XStudio supports MariaDB, MySQL, SQLServer and Oracle database servers.

> Manage your requirements, specifications and tests for Agile and Standard Development Life Cycle projects.

> Monitor your projects progress and drive your product quality from A to Z using reliable KPIs (smart coverage and quality score).

> Use Exploratory, Risk-Based and On-the-Spot testing practices in an easy and pragmatic way.

> Simplify the analysis of your consolidated test results.

> Streamline compliance audit with **ISO-9001**, **CMMI-DEV**, **CFR 21 part 11** and other standards and norms.
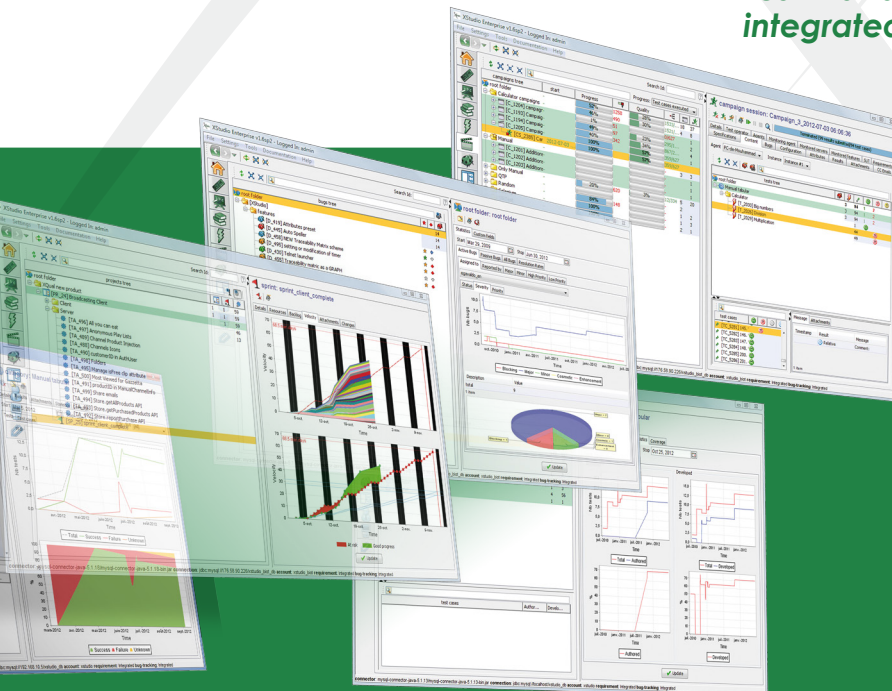
Now is the right time to implement and use an efficient Test Management/ALM integrated solution.

XStudio is easy to use, **yet extremely powerful**!

Using XStudio you are assured to reduce your time-to-market (TTM), reduce you Cost to Quality (CtQ) and your overall cost by establishing repeatable quality-driven practices in your projects.

Your teams spend more time in building high-quality solutions and less in administrative paperwork.

Create High Quality solutions, build **Trust!**

- **100% graphical** (and tree-based for more flexibility)
- **Web access** (through Java WebStart) served by Tomcat (no end-user install)
- **5 different GUI** to execute manual tests
- **Powerful search engine** including plain-text search
- **Embedded spell-checker**
- **UTF-8 compliant** (support of any accentuated languages such as french, chinese, arabic, hebrew etc.)
- **Clone and Move of entire folders** of requirements, specifications, tests, campaigns and defects

- **Integrated management** of ALL systems under test/ releases, requirements, specifications, projects, tests, grid test procedures, tree-structured test procedures, test-plans, test campaigns, test reports, bugs
- **Document sharing** Including versioning, locking and signing capabilities
- **Smart Campaign creation** (based on SUT/requirements, test attributes, risks, bugs, etc.)
- **Support** for automated and manual tests execution
- **Keyword-driven testing**
- **Automatic ordering** of tests in campaign based on dependencies and/or priorities
- **Automatic generation of specifications** from requirements (1-1) and tests from specifications (1-1)
- **Automatic generation of residual test campaigns**
- **Automatic generation of traceability matrix**
- **Automatic merge** of several campaign sessions for consolidation purposes
- **Workflow** on requirements, specifications, test authoring, test implementation status and defects
- **Attachments** on requirements, specifications, tests, test cases, defects, folders/containers
- **Scheduling of test campaigns** execution
- **Tracing of results** in real-time during execution

- **Real-time execution graph**
- **SNMP Monitoring of resources** (CPU, RAM, Storage etc.) during testing
- **Rules defining execution** behaviour
- **Dependencies between tests**
- **Test case parametrization** (including **pairwise** algorithm)
- **Reusable parameters/datasets**
- **Simple and flexible open-source SDK for launcher**

- **User profile customization** (rights management)
- **User groups/teams** (access to a limited set of projects)
- **Versioning and locking mechanism** on attachments
- **Versioning and change tracking** (audit log) on requirements, specifications, tests, test cases and defects
- **e-signature of any records**

- **Personal Dashboard**
- **Customization of all generated documents** (test-plans, test reports etc.)
- **Custom fields** for all objects

- **ALL data stored** in Oracle, MySQL, SQLServer or MariaDB

ORACLE DATABASE MySQL Microsoft SQL Server MariaDB

- **Over 75 different launchers** to execute automated tests (incl. QTP/UFT, Selenium, JMeter, Sahi, Ranorex, SilkTest, TestComplete, soapUI, WebUI, TestPartner, AutoIt, Squish, TestStand, Mocha, WebdriverIO, Cucumber, Gradle, NeoLoad, Odin, Robot Framework, Sikuli(x), Tape, TestOptimal, WAPT, WebUI, SQL, Perl, TCL, VisualStudio, Beanshell, QF-Tests, JUnit, Java, Jar, Nunit, xUnit.net, pyUnit, Python, TestNG, Marathon, Exe, Bat, Shell, etc.)
- **Tools to import any data** from QC or Excel
- **Connectors to third-party** requirements management systems (generic, JIRA and VersionOne)
- Connectors to the most common **bug-tracking systems** (generic, JIRA, Mantis, Bugzilla, trac, ClearQuest, VersionOne, Redmine and QC/ALM)

JIRA mantis BUG TRACKER trac Integrated SCM & Project Management
Rational ClearQuest VERSIONONE Agile Made Easier REDMINE flexible project management hp

- Connectors to ANY **Continuous Integration** environments (Bamboo, Jenkins, TeamCity and Hudson)

Bamboo Jenkins TC TeamCity Hudson

- Integration with **Version Control** systems (SVN, git, ClearCase)

SUBVERSION git Rational ClearCase

- Execution of the tests on **remote computers** (manually selected or from a pool)
- Execution of the tests on **several agents simultaneously** (stress/load)
- Execution of the tests on **several independent threads** on each agent

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TRAINING VIDEOS
www.test-management.org/training/us

SDK/APIs Uniquely, XStudio provides a simple open-source SDK that allows integrating with any test you already have or are planning on developing, even proprietary ones. It is simple to integrate your existing tests within XStudio: you just need to implement a class provided in the SDK.

API Server
XStudio also provides a REST API Server (http/Json).

XAgent can be run in background on remote hosts allowing you to scale and distibute test execution, on-demand.
Agents are standalone clients available on Windows, Linux and MacOSX. They can be easily dockerized and/or deployed automatically from a server.

XContinuousIntegration is a command line tool allowing to automatically trigger creation and execution of test campaigns (e.g. when a new build is available in a DevOps environment).

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