



Software testing management solution provider assures quality reporting with flexible, open source BI.

QMetry provides test management solutions uniquely designed to improve the efficiency of software Quality Assurance (QA) teams. Headquartered in Silicon Valley, California, the company enables teams to focus on testing activities, by providing a powerful, zero-maintenance test management platform.

With its centralized test repository, QMetry makes it easy for team members to gather, organize, and share information to successfully meet quality objectives. The solution, available as a service (SaaS) or as an installed, on-premises software solution, integrates easily with best-of-breed defect management and test automation tools. It also enables QA teams to easily manage tasks, test cases, test data, requirements and other QA assets.

QMetry functions as an end-to-end application lifecycle management (ALM) platform, giving QA teams complete traceability from test case creation to execution. With QMetry, QA professionals can more easily track and compare test results, assess quality risks, and measure progress in development and QA activities.

Turning test results into meaningful, actionable insight

The QMetry team, composed of seasoned QA and software engineering professionals, knew that reporting would be a critical component of its tracking and metrics-centric solution.

“QA teams are pretty focused on measuring what they do—in many cases, measuring is what testing is all about. We knew that reporting was fundamental to any viable test management solution,” says QMetry CTO Manish Mathuria.

Given this mandate, the QMetry team wanted powerful reporting technology it could integrate into its solution. Because the team had architected its test management solution on the widely used LAMP (Linux, Apache, MySQL, and Perl/PHP/Python) technology stack, the search and selection process focused on open source, Java-based reporting solutions.

Choosing a Business Intelligence solution

Quickly narrowing the list of candidates to two, the QMetry team performed a head-to-head analysis of open-source reporting solutions from Jaspersoft and Pentaho. Key criteria included overall capabilities, ease of report definition, and the ability to keep report definition and generation loosely coupled with core QMetry code.

The team chose the Jaspersoft solution for its strengths in these areas, in addition to its ability to export report output to a wide range of formats including HTML, PDF, Excel, CSV and others. The JasperReports Library, easily integrated via web services, was a good architectural fit for the QMetry solution.

Project details/highlights

The QMetry solution includes roughly 25 standardized reports, all pre-defined by the QMetry team, and usually parameter-driven so that end users can tailor results to their needs. End users request reports from within the QMetry user interface, and the requests are passed off to the JasperReports Server via web services. Report libraries access data directly within the QMetry production (MySQL) database.

The bulk of QMetry customers use the standardized reports, but they can also take advantage of QMetry professional services to customize them or to define additional reports. Customers may also use Jaspersoft iReport Designer to create their own reports.

Some end users—typically in management roles, without the need to build or execute tests—only need access to reports. Those users bypass the core QMetry test management solution, by simply logging in to JasperReports Server.

One of the team's favorite aspects of the combined solution is the ability to respond to new or evolved reporting needs at runtime. *"We don't have to touch QMetry's code base in order to add a new report,"* says Mathuria. *"When a customer requests a new report, we simply define it with iReport and add it to the customer's JasperReports Server repository."* The QMetry user interface automatically detects and presents the additional report to the users.

"Having a powerful reporting server—and keeping the association between it and our core code very loose—is a tremendous benefit for us," says Mathuria. *"We can be very responsive to customer needs, without any need to modify our own code or our database schema."*

Benefits of Using Jaspersoft

QMetry's customers are quite pleased with the reporting capabilities delivered with its solution. Just as importantly, the pixel-perfect reporting enabled by Jaspersoft technology is a key selling point for Qmetry in attracting new customers.

"For all the reasons I've mentioned—the plug-and-play reports, easy export to multiple formats, easy report distribution and access for non-QA report consumers—the Jaspersoft solution makes our product offering stronger," says Mathuria.

Next up: Query

QMetry plans to begin offering the ad hoc query capabilities in JasperReports Server to a few key customers. In the meantime, the QMetry team is extremely positive about its experience with Jaspersoft—and what it helps them do for their customers.

"QA people are demanding, just as you would expect," says Mathuria. *"With Jaspersoft, we meet their reporting expectations—and that's critical to their acceptance of our complete solution."*

About Jaspersoft

Jaspersoft provides the most flexible, cost effective and widely deployed Business Intelligence suite in the world, enabling better decision making through highly interactive, web-based reports, dashboards and analysis. Leveraging a commercial open source business model, Jaspersoft provides end-to-end BI capabilities at a fraction of the cost of other vendors. The BI suite includes pixel-perfect enterprise reporting, ad hoc query, dashboards, OLAP and in-memory analysis, and data integration. Jaspersoft is the only BI vendor that enables companies to adapt to the new, virtualized world by providing a complete spectrum of on-premise, multi-tenant SaaS and cloud-based deployment options for both embedded and standalone business intelligence. Unlike traditional BI vendors, Jaspersoft is built on a modern, lightweight, standards-based architecture and offers greater vendor independence thanks to its open source codebase. Unlike niche BI vendors, Jaspersoft represents a safe choice with tens of thousands of production deployments across a wide range of industries.

Jaspersoft's open source business intelligence software has more than 13 million product downloads worldwide, 160,000 production deployments and over 14,000 commercial customers in 100 countries. Its BI suite is advanced regularly by a development community of more than 200,000 registered members. For more information visit: <http://www.jaspersoft.com> and <http://www.jasperforge.org>.

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