



Hospira injects high-performance reporting into medication management solution.

Hospira, Inc., a global specialty pharmaceutical and medication delivery company headquartered in Lake Forest, Ill., USA, is a leading provider of specialty generic injectable pharmaceuticals as well as fully integrated infusion therapy and medication management solutions. The company's 13,500 employees are dedicated to improving the safety, cost and productivity of patient care.

Business/Technical Challenge

Hospira MedNet™ software is a JAVA J2EE server-based application that provides dose error reduction software (DERS) across multiple Hospira infusion platforms, including the Plum A+™, LifeCare PCA™, and Symbiq™ infusion systems. Hospira MedNet delivers data from the server into reports designed for clinical assessment of Hospira MedNet use as well as asset management with selectable options to best meet the needs of the user. Hospitals and clinics use Hospira MedNet to support medication safety and risk management programs, to ensure that medications are appropriately delivered through Hospira infusion devices. A Hospira MedNet installation might, for example, help a hospital's staff to manage 2000 individual infusion pumps simultaneously in use.

Hospital pharmacists and caregivers use Hospira MedNet to monitor adherence to medication guidelines across departments and locations, and to assist in the development of these guidelines. End users, including pharmacists, physicians, nurse administrators and others, use scheduled reports—typically run at the three-times-daily shift changes—in addition to on-demand reports.

Hospira provides Hospira MedNet to healthcare settings worldwide; its reports must be created in a range of languages, date formats, and systems of measurement (usually imperial or metric). The solution is usually installed and maintained by client (hospital or clinic) IT departments, where resources are frequently at a premium—so Hospira works to make the solution as easy to maintain and use as possible.

As new versions of Hospira MedNet were being developed, Hospira identified a number of challenges that needed to be addressed by the reporting technology used. The solution needed to allow Hospira to develop, support and configure scheduled and ad-hoc report requests, must have increased performance to support larger data sets, flexibility to translate into new languages and be cost effective to meet market constraints. For this reason, Hospira began investigating its reporting technology options and ultimately selected Jaspersoft.

Why Jaspersoft Was Chosen

The Hospira MedNet development team evaluated two reporting solutions: Jaspersoft Business Intelligence Suite and another open source reporting solution. The team developed prototype versions of some of their existing reports using both solutions—using open source software versions of each without contacting the providers. Hospira quickly developed a preference for the Jaspersoft solution. The Hospira development team found the Jaspersoft report designer, iReport, to be extremely straightforward and intuitive, which allowed a much quicker ramp-up time for the development teams.

Project Details/Highlights

Hospira set about imbedding the Jaspersoft reporting technology into its Hospira MedNet software, which is implemented on a Java / JBoss / Microsoft SQL Server platform. This solution would provide their customers a much more seamless reporting solution. Based on its experience with other solutions, Hospira expected that the process of migrating and enhancing roughly 25 complex reports would take about nine months. However, everything was converted to the Jaspersoft framework in about half that time, in part because of Jaspersoft's architecture and localization features.

The Hospira team conducted extensive benchmarking tests as part of its development effort. Hospira found that running reports on both the Jaspersoft solution and the other open source report solution on a side-by side basis using the same data resulting in significant reductions in reporting time. In one case the reduction was more than 90%. Ultimately, this was a performance improvement that their customers could see and value.

Benefits of Using Jaspersoft

With the transition to Jaspersoft BI technology, Hospira enjoys lower development, maintenance and support costs. Hospira believes that its clients are impressed as well, in part because they don't have to be IT-savvy in order to use the reliable Jaspersoft solution.

Nurse Administrators and other users of the Hospira MedNet software have the option of running on-demand reports in the background, knowing they'll receive the report via email within a few minutes. And because of the intuitive user interface, end users can do more without assistance from IT.

About Jaspersoft

Jaspersoft's open source business intelligence is the world's most widely used BI software, with more than 10 million product downloads worldwide and more than 12,000 commercial customers in 100 countries. Jaspersoft provides a web-based, open and modular approach to the evolving business intelligence needs of the enterprise and is the only BI vendor enabling true multi-tenancy while providing a common platform for on-premise, virtualized, SaaS and Cloud deployments. Jaspersoft's products span the continuum of core BI requirements, including reporting, analysis, dashboards and mash-ups, data analysis, and data integration. Its BI software is updated constantly by a development community of more than 120,000 registered members working on more than 350 projects. For more information visit: www.jaspersoft.com and www.jasperforge.org.

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