



XTGlobal Redefines Reporting and Integration Solutions of Pharmacy Tech Provider



Overview

A leading provider of Integrated Pharmacy Automation and Workflow Management Solutions was looking to enhance two of its solution offerings. The project also involved migrating reports that were on JasperSoft and Crystal Report to Microsoft SQL Server Reporting Services. XTGlobal added/modified the logic and added filters that enabled the system to ensure better data visibility and accurate report generation for end users. The solutions thus derived, improved business productivity and increased user adoption due to ease of use.

About the Client

The client is a leading provider of Integrated Pharmacy Automation, Inventory, and Workflow Management solutions. They provide best-in-class pharmacy automation technologies to support health systems, hospital inpatient pharmacies, outpatient pharmacies, long-term care facilities and government pharmacies.

The client delivers best-in-class technology with unparalleled expertise focused on helping pharmacies of all sizes and types, with the primary goal of improving safety, productivity, and efficiency. They help pharmacies enhance their value chain in terms of safety, efficiency, productivity using innovative solutions. Their solutions are designed with category-leading automation hardware and seamless workflow software, all supported by unmatched industry knowledge.



About the Products

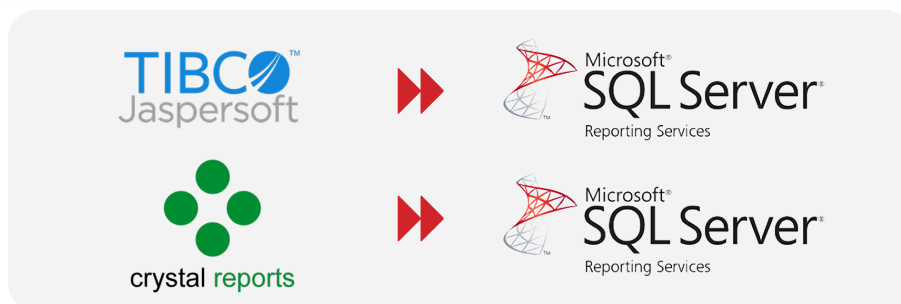
The client has multiple products of which XTGlobal was tasked with enhancing:

1. A leading comprehensive pharmacy software solution to enable the health system pharmacy implement a system of integrated tools for managing the pharmacy business and automating inventory functions.
2. A robotic automation based IV room compounding system to reliably and accurately prepare intravenous syringes and bags for pharmacies. It can decrease error-rates, increase safety and overall efficiency, and also proactively addresses the ever-evolving regulatory environment.

The Challenge

One of the systems that needed enhancements had Jasper Reports and other had Crystal Reports on Sybase Database.

After doing a market and technical research, the client decided to migrate the reports.



The migration required a deep understanding of data flow, customization, and implementation of the required logic in the SSRS. In other words, it cannot be performed using any automation tool or migration products. It requires working reports, one by one and rewriting logic in the target report system.

It is tedious to replicate the same in SSRS, when it comes to heavy data-intensive Jasper reports, which were carrying huge amount of data.

Solutions Provided by XTGlobal

Discovery & Analysis

- ✔ XTGlobal's team worked closely with the client's team on the key requirements of the migration.
- ✔ Analysed the environment, functions, and business logic in the legacy reports.
- ✔ Studied, analysed the data flow in each of the tables used.
- ✔ Listed the preference and sequence of delivery of the reports, based upon the priority and dependencies.

Delivery

- ✔ BI Team added logic and filters to the data which will provide accurate data visibility in the migrated reports from TIBCO Jaspersoft.
- ✔ Modified the logic to trim down the flow and execute it in the report.
- ✔ Added cascading filters to the report for filtering out the unrelated data and populate only the data which the end users anticipate seeing on report.

Technologies Used

- SSRS (SQL Server Reporting Services) for Report Development
- SQL Server – Backend Data Queries
- Jasper Studio – Source Reports
- Sybase – Backend Data Queries
- .JRXML Files – Source Query Details
- Crystal Studio – Source Reports



Results



Better Intuitive Reports



High user adoption and ease of use



Improved Business Productivity

About XTGlobal

XTGlobal, established in 1998, is a strategic provider of IT, software development, and consulting solutions for companies across the world. We derive solutions based on latest tools and technologies, customized to our clients' unique requirements. Our partnerships with Cloud Leaders like Oracle, Microsoft, and AWS give us the ability to build advanced capabilities for our clients.

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