



# XORIAN SCM PRODUCT MODULE

## CLIENT OVERVIEW

Our client is a US headquartered global SCM software vendor with clients across the world. The company delivers reliable, scalable technology solutions that allow a manufacturing or a retailing company to improve the performance of its supply chain and increase margins. Our client's solutions have enabled seamless connectivity with the existing disparate enterprise applications in the customer's IT environments. This has helped its customers to easily connect with their trading partners, thus significantly reducing the transaction costs.

In keeping with their growth plans, our client now wanted to expand the product functionality to enable mid-sized companies create a highly efficient and affordable trading infrastructure. Our client wanted to achieve the right functionality, flexibility, features, usability and performance features in the product for this mid-market despite the lowering of the price point for this market as compared with the large enterprise market.

## KEY REQUIREMENTS

- Envisaging this engagement as an opportunity for innovation, the client sought to build a newer version of the product-not simply a duplicate of the existing product. The new product would offer substantial improvements in systems architecture, features, functionality, usability scalability and performance, and quality that encompassed global supportability.
- High value assembling-trading companies-the initial target market for the client-typically deal with a large number and volumes of input component parts that result in moderate output volumes of very high value products. This requires the supply chain software to have the right data structure and data organization to be able to achieve the data accuracy, data granularity and acceptable performance.
- Our client was looking for a development partner who had deep and broad experience in the full software engineering lifecycle of complex enterprise class applications products. In addition, our client felt that the partner should have the experience and available resources, who are highly proficient in commercially available relational databases, specifically in terms of data structure design, performance tuning and optimization. The partner was also required to have experience in Java/J2EE stack as well as user interface using Java Swing. Expertise in systems and database performance optimization was a key criterion.
- As an ISV traditionally catering to large multinational and government organizations, our client required the product to be developed using the best practices, methodologies and ISO compliant standards and practices.

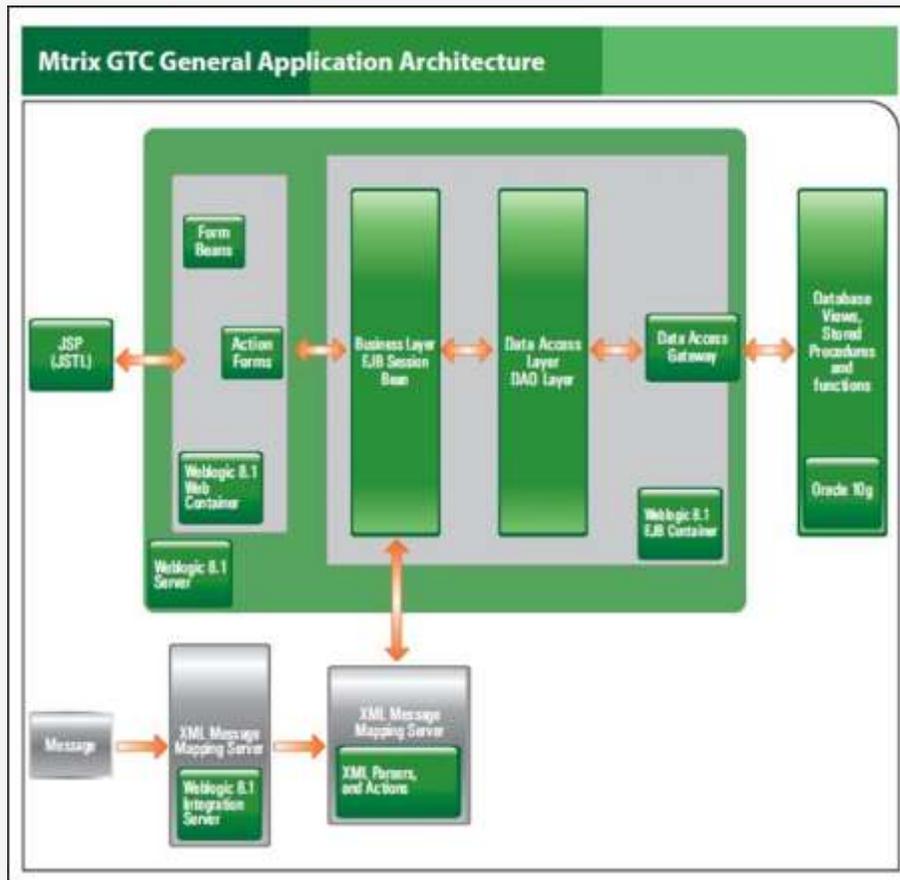
## KEY CONTRIBUTIONS

- Xoriant proposed a Java/J2EE Swing architecture to ensure scalability, and ease of development and maintenance.
- The new product development by Xoriant included integrating functions of warehousing, inventory, shipment and forecasting on top of the existing SCM functionality.
- Xoriant also incorporated functionalities of advanced network administration, workflow management and rules engine management.
- Xoriant designers developed the rules engine that controlled the flow of the system and the core module of notification using several frameworks and tag libraries developed from scratch. Asynchronous notification messages were implemented using JMS.
- For user authentication, user-driven customizable modules were developed.
- Xoriant engineers chose Oracle over Microsoft SQL Server after analyzing the needs of referential integrity, stored procedures/ triggers, scalability and performance.

## KEY BENEFITS

- The client was able to meet the release date and announced capabilities of the product in a new market segment.
- There was significant level of interest from new and existing customers, given the robust design and flexibility.
- Xoriant's capabilities of customization and implementation at new customer sites offered our client the flexibility of quicker sale cycles and potentially higher revenue dollars per sale.
- Stored procedures and queries were optimized and the performance was enhanced by over 60%.

# HIGH LEVEL ARCHITECTURE



## TECHNOLOGY STACK



### About Xoriant:

Xoriant Corporation is a Product Development, Engineering and Consulting Services Company, serving technology startups as well as mid-size to large corporations. We offer a flexible blend of onsite, offsite and offshore services from our eight global delivery centers with over 2000 software professionals. Xoriant has deep client relationships spanning over 25 years with various clients ranging from startups to Fortune 100 companies.