



# MIGRATION FROM RELATIONAL DATABASE TO POLYGLOT (NOSQL) PERSISTENCE

## CLIENT OVERVIEW

Our customer, a Global Financial firm, needed a customized solution to address specific EBX5 (existing MDM solution) related problems impacting business. Customer was also looking to lower maintenance costs compared to higher consultancy charges for EBX5 systems and build a scalable Master Data platform

## KEY REQUIREMENTS

- Customer was also looking to lower maintenance costs compared to higher consultancy charges for EBX5 systems and build a scalable Master Data platform
- Provide cost effective solution to business specific problem compared to existing MDM solution product pricing
- Use MongoDB solution to fix the performance issues seen with large volume data management on existing MDM solution
- Fix the usability issues seen with EBX5, especially in creating UI wizards which involve multiple clicks

## KEY CONTRIBUTIONS

Helped develop an MDM Solution to provide:

- An intuitive and highly interactive UI using HTML5, CSS3 and Ext JS to support MDM processes
- Business Validations and Golden Source Validation using Java and caching
- Map Versioning, Maker/Checker Functionality, Audit Capability
- Integration to Oracle DB, SiteMinder SSO Integration for User Authentication
- Sharded MongoDB cluster for Maps and Map Data
- Support High Performance, Scalable, Highly Available Master Data across enterprise
- Java Services layer over MongoDB

## KEY BENEFITS

- Reduced time to import records from 40 minutes in EBX5 to 12 minutes in MongoDB (600,000 records)
- Allows for asynchronous execution (user can perform multiple tasks simultaneously) whereas in EBX5, user was restricted until job completes

## TECHNOLOGY STACK

- MongoDB
- HTML 5
- CSS
- Ext JS



### 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.