



## Case Study

## Description

### Client

A leading IT Service provider in UK specializing in Trust Accounting

### Industry Sector

Banking & Financial Services

### Business Challenge(s)

- To port a client-server based system to a Web based Application Service Provider model
- Project team needed to be trained on financial services domain, especially in Trust Accounting and Asset Management
- No technical documentation of the old system was available

### Technology

- The project was executed on Microsoft Platform using 3-tier COM+ technology
- VB and VC++ were used for the server side components
- ASP and Jscript were used as the front end / user interface
- XML and XSL were used for data transfer between the components
- MS SQL Server was used as the backend database

Migration of Trust Accounting System (MOTAS) is a project executed by Zenith Software Limited (ZSL) for one of its clients specializing in the Banking and Financial services sector in UK. The client had a legacy system based on a two-tier architecture, which was rudimentary and had severe constraints for scalability. ZSL developed Software as a Service (SaaS) Model, which was web-based and highly scalable. The new system not only covered all the functionality of the old system, but also provided enhanced features.

### Functionality

The major functionality covered by the application are:

- Trade (Buy / Sell Transaction Entry, Authorization, Settlement, Reversal, Cancellation, Backup Withholding, etc.)
- Cash (Entry, Authorization, Settlement, Cancellation, Withdrawal, Sweep, etc.)
- Positions (Position, Restriction, Location-wise checks, Over-delivery checks)
- Accounts (Ledger Maintenance, MIS Reports)
- Corporate Actions (Dividend, Interest, Amortization, Stock Split, etc.)
- External Interfaces (SWIFT, DTC, IDSI, etc.)

### Features

- 3-tier architecture – User Interface, Application and Database
- Covered complete functionality of the old system
- Completely parameterized and hence, easily scalable
- Comprehensive and easy to use Admin module

### Development Process

The application was completely developed at Zenith's offshore development center in Bangalore. Migration from Client Server to Software as a Service (SaaS) Model necessitated a change in the basic architecture of the application and not just a component-wise porting. ZSL achieved this by clearly defining and segregating the application components into the user interface layer, business layer and database layer. For interacting with external interfaces, XML and XSL were used extensively.

The development life cycle model adopted for this project was Iterative. The delivery was done in a phased manner and each phase followed the full development life cycle with the High Level Design getting extended in each phase.

Due to lack of documentation of the older system, the team had to do a complete analysis even to create meaningful test data for testing.

A team from Zenith Software implemented the project. In addition, Zenith Software provided online support for the project during the UAT and live-run phases.