A GOVT. DEPT. IN SOUTH AFRICA

Highlights

Customer
Department in the
Government of
South Africa

Source Platform
ICL Trimetra / VME /
Flat Files / COBOL

Applications
Claims, Compensation,
Medical and Pension
applications at
Compensation
Commission

Size
COBOL programs
comprising of 1.5 Million
Lines Of Code

Target Platform
SUN / Solaris
ORACLE 9i /
Oracle Pro*COBOL /
MF COBOL /
JBOSS Application Server /
JSP Screens

Team size
1 project manager with
6 team members and
2 Quality reviewers

Introduction
Client had an ICL Trimetra LY mainframe for running their mission critical Claims & Benefits applications at Compensation Commission (CC) based on COBOL using Flat files. Due to various technological constraints posed by these legacy hardware and software, client had decided to decommission the mainframe and modernize the existing software applications.

Challenges
The major challenge lied in migrating this application, which had very little documentation and low technical inputs from the end users. All information had to be extracted through a tool-based process from the legacy source code.

The deployment platform of the migrated application was another point of complexity.

Solution Approach
Considering the rich functionality of the software applications, Metalogic had transformed them on to modern platforms. The salient features of this solution were:

- The COBOL based flat file data model was transformed to Oracle 9i.
- The data got transformed from flat files to Oracle 9i.
- The user interface was changed from Character interface to a Web based interface.
- A major portion of the work was executed offshore at Kolkata resulting in further savings.

The solution achieved 80% automation.

Status
The project was started in April 2004 and the migrated application was delivered to the client on August 2004. The migrated system went live in December 2004.