LEADING INSURANCE COMPANY IN UK

Highlights

Customer
Leading Insurance Co.
U.K.

Source Platform
IBM / MVS mainframe with applications using IMS / VSAM / CICS / COBOL / Assembler.

Size
COBOL-Batch progs. - 1050
Approx. LOC- 1,300,000
COBOL Online progs. - 95
Approx. LOC – 120,000
IMS Segments-9
VSAM Files - 7
JCLs – No of progs. - 1,848
Approx. LOC – 142,000
Assembler progs. – 20

Target Platform
SUN/SOLARIS /
ORACLE 9i /
Oracle Pro*COBOL /
MF COBOL / Shell Scripts

Team size
1 project manager with
5 team members and
1 Quality reviewer

Introduction
The customer is a leading insurance company in UK. The project was executed for one of its offices in Australia.

As a part of their IT strategy, they wanted to migrate their applications from IBM/MVS to an open systems environment on SUN Solaris.

The mainframe application was using IMS, VSAM, Assembler, CICS, COBOL and JCL. The target environment was Solaris, Oracle9i, Oracle Pro*COBOL Precompiler, MicroFocus COBOL and Shell scripts.

Besides the application migration, the scope also included migration of data from IMS database and VSAM files to Oracle 9i database.

Metalogic Systems executed this project from its development center in Calcutta, India in partnership with the prime contractor for the project, an IT services company based in Mumbai, India.

Challenges
The major challenge in this project lay in the transformation of the complex hierarchical IMS database to Oracle. Achieving performance levels and accuracy of the existing mission-critical application, was an added challenge.

Solution Approach
Metalogic has provided a tool based automated solution approach, which carried out the following steps:

(a) Reverse engineering the application source
(b) Recovering the legacy data model in IMS and VSAM
(c) Finalise and generate the Oracle data model
(d) Generate the database access layers
(e) Generate the data migration utilities
(f) Forward engineering the programs to MF Cobol

The solution has achieved near 90% automation.

Status
The project was started in February 2004 and the migrated application was delivered to the prime contractor on September 2004. The migrated system went live in early 2005.

