



Representative Case Study:

Cobol to Java Conversion

CONTRACT TITLE: LEADING TELECOM COMPANY – CONVERT COBOL TO JAVA

Contract Value = \$1,200,000

SUMMARY.

Successful conversion of a major operational billing system from a 4 million lines of code Cobol system to Java. UniqueSoft was brought in after two leading tools vendors failed to translate the code correctly.

PROJECT SERVICES.

There were a number of challenges to be overcome in this project. First the version of Cobol had been modified over the years and did not conform to standard Cobol practices. This was sufficient to kill the other tools. Second, were stringent coding standards for maintainability with which the new system had to comply. Third there were demanding performance standards that the new system had to achieve.

UniqueSoft successfully customized the D*Code tool to handle the non-standard version of Cobol and well as the extensive use of pointers and nested redefines which greatly complicate the translation process. Performance was also difficult to achieve because the applications used Cobol specific memory management techniques to handle extremely large input file sizes. Those techniques do not have an equivalent analog in Java.

UniqueSoft worked closely with its systems integrator partner to optimize the performance of the production system to use the new capabilities of the target environment in Java.