



Representative Case Study:

Java Rules Extraction

CONTRACT TITLE: SOCIAL SECURITY ADMINISTRATION (NON-US) – RULES EXTRACTION

Contract Value = \$1,400,000

SUMMARY.

Modernization of a 4-5 million line of code Java system that manages a country's social insurance program.

PROJECT SERVICES.

UniqueSoft has been awarded this contract after an extensive evaluation process versus other rules extraction tools. UniqueSoft successfully performed a proof of concept project (Phase 0) on a portion of the system to demonstrate the feasibility of automating business rules extraction and test case generation. This success resulted in the award of the contract to UniqueSoft and its partner.

The pilot project consisted of a 450,000 line of code module (about 5% of the total system) that contained a key set of complex business rules. UniqueSoft successfully demonstrated the extraction of individual rules organized into rules tables; these rules were input into a DROOLS rules engine to demonstrate the functional equivalency of the original system compared to the extracted rules. A set of test cases were also created to run against both the original code and the rules engine implementation.