Abstract

With the progress of the software technology, the existing legacy systems are becoming obsolete and unable to satisfy the customer needs and expectations. Most of the legacy systems designed using COBOL, as it is a programming language. On the other hand, today Java widely used programming language for designing systems. The Java is pure object-oriented, where as the COBOL is procedure oriented programming language. The legacy systems designed earlier needs the huge amount of maintenance. The programmers of these legacy systems are now getting old moving into the retirement. After that, for people maintaining legacy systems it will be more difficult because keep up these legacy systems needs expertise in the programming language. Therefore, it is necessary to propose a framework to migrate existing legacy COBOL systems to object-oriented Java platform. The advantages of this migration process are that the upholding of the system running in the different organizations will be easier than the legacy COBOL systems.

References

- Harry M. Sneed, "Migration from COBOL to Java: A Report from the field,"
Design of a Reverse Engineering Model (A Case Study of Cobol to Java Migration)

- A. Fantechi, P. Nesi, E. Somma, "Object Oriented Analysis of COBOL", 1997 IEEE.
- Koopa COBOL Parser Generator.
- DTDGenerator "dtdgen 7.0"
- Eclipse JEE-JUNO
- Eclipse-Galileo Modelling Framework.

**Index Terms**

Computer Science

Programming Languages

**Keywords**

Legacy code to Object Oriented code   COBOL to Java   Migration of COBOL to Java

Legacy System Migration