veryant

isCOBOL® Evolve
Comprehensive, cost-effective COBOL development, deployment, maintenance, and modernization

isCOBOL Evolve brings choice back to the COBOL market -- providing a low-risk, extensible, and economical path forward for valuable business assets. By uniquely blending COBOL development with Java deployment, isCOBOL technology takes portability and scalability to a new level.

Features and benefits

- Supports the latest ANSI standards as well as legacy COBOL dialects

- Compiles COBOL code into pure Java class output -- preserving and extending COBOL through Java technology without rewriting or retraining

- Delivers 100% portable applications, whether deployed locally, via thin client, or distributed across the Web

- Enhances Web integration, data flexibility, and interoperability

- Delivers secure processing that takes full advantage of today's multi-threaded, multi-tier environments and application server technology

- Improves ROI by lowering licensing fees, simplifying development and deployment, and accelerating time-to-market

The COBOL for Java platforms

isCOBOL Evolve enables customers to retain and enhance valuable COBOL application and development assets while taking full advantage of the Java platform without rewriting or retraining. Core components of the isCOBOL suite include a 100% portable COBOL compiler; an Eclipse-based Integrated Development Environment (IDE) with a real-time syntax checker; and a 100% portable, graphical debugger that facilitates remote debugging.

All isCOBOL development and debugging tasks are performed in a familiar COBOL environment. The isCOBOL® Compiler translates COBOL source code into Java classes that are then executed with the Java Virtual Machine (JVM). The isCOBOL® Runtime Environment is written entirely in Java, so isCOBOL applications can run on any device that supports a JVM and will take full advantage of today's multi-threaded, multi-core servers. Thin client and distributed processing capabilities are included in the isCOBOL Runtime Environment, enabling developers to maintain one graphical user interface (GUI), regardless of platform choice or deployment model.

isCOBOL technology let developers focus on application coding without worrying about what data storage solution will be used in deployment. With isCOBOL, no database-specific precompilation is required. The same executable can be leveraged for any supported database, fostering smooth transitions to new data sources when desired. The isCOBOL Runtime Environment includes a scalable file system for highly-available, distributed environments and a 100% Java-based, portable file system for compact devices. Popular databases such as Oracle, IBM DB2, MySQL and Microsoft SQL Server are supported by isCOBOL Evolve and both ISAM and relational data can be accessed through COBOL file verbs or embedded SQL (ESQL).

Enhance productivity, improve profitability

isCOBOL Evolve combines the best of COBOL and Java technology to simplify application development and deployment. 'Compile once, run anywhere' is truly delivered and new application features and data options can be rapidly introduced. Incorporating thin client and distributed processing along with a client/server file system in the isCOBOL Runtime Environment -- functionality that alternative COBOL providers may charge additional fees for -- further extends the competitive advantage and value isCOBOL technology delivers.

isCOBOL Evolve key components

isCOBOL software provides an extensible, easy-to-use environment for ongoing COBOL application development, deployment, maintenance, and modernization.

- **isCOBOL Compiler:** 100% portable COBOL compiler supporting the latest ANSI standards and common legacy COBOL dialects; includes support for Object Oriented COBOL, Unicode, JavaBean graphical controls, and automatic ESQL to JDBC translation.

- **isCOBOL® IDE:** adaptable, graphical environment for key development tasks such as coding, testing, and debugging.

- **isCOBOL Runtime Environment:** 100% portable environment written entirely in Java that enables applications to run on any device supporting the Java Virtual Machine; includes the isCOBOL® Debugger, isCOBOL® Application Server (thin client distribution) as well as isCOBOL™ ISAM Server and isCOBOL™ JISAM file systems.

- **isCOBOL Debugger:** 100% portable, graphical COBOL source-level debugger that includes support for remote debugging; provides a GUI debugging environment for all supported platforms including UNIX®, Linux and Windows.

- **isCOBOL® Application Server (thin client):** implements user interfaces (UIs) across a range of clients while taking advantage of today's multi-threaded processing capabilities -- reducing network bandwidth, simplifying deployment, and eliminating the need to maintain separate UI code for different deployment platforms.

- **isCOBOL® Web Direct 2.0:** leverages AJAX technology and existing COBOL syntax to deploy fully-interactive and stateful zero-client Web 2.0 applications; requires no knowledge of JavaScript, HTML or other Web languages to implement.

Data access and management
isCOBOL Evolve offers numerous options for ISAM files and RDBMS systems, as well an ESQL Generator.

- ESQL / JDBC Access
  - » **isCOBOL Compiler:** recognizes ESQL and automatically translates it into Java source code, which then directly interfaces with JDBC.
  - » **isCOBOL® SQL Server:** adds a flexible RDBMS engine to existing ISAM files without changing program code or data.
  - » **Veryant™ Database Bridge:** reads COBOL file descriptions from existing code and generates an isCOBOL file system interface implemented with ESQL in COBOL.
- ISAM file systems
  - » **Veryant™ JISAM:** a powerful, scalable and affordable indexed file system with SQL interface and client/server options for highly-available distributed environments.
  - » **isCOBOL® ISAM Server:** a server-based indexed file system with SQL interface and transaction management options.
- RDBMS options
  - » RDBMS options for isCOBOL Evolve include popular databases such as Oracle, DB2, MySQL, and Microsoft SQL Server.

"With isCOBOL we are able to offer SaaS without the difficult installation of proprietary and platform-specific client software. Veryant enables us to modernize our existing applications and our development suite at an affordable price point."
René van Oevelen, software architect, i-Modulas Software BV

Getting started:
When considering a move to isCOBOL, Veryant can take a sample of your code and generate a complimentary Code Analysis Report that will tell you exactly how compatible your application is before any investment occurs on your side.

If program data resides in flat files or is supported by a database such as Oracle, there is no data migration involved. If data resides in an indexed file system it can be moved to Veryant JISAM or another database of choice with the aid of an isCOBOL data migration utility.

Transition services are also available for companies who would like to supplement in-house staff or prefer a turnkey solution to move to isCOBOL software.

For additional information:
Visit veryant.com.