



iDMigration

4GL TO COBOL

Time for a change

Organizations today are faced with rapidly changing business requirements and constantly evolving technologies. Systems developed using proprietary mainframe software, fourth generation languages - 4GLs - can be a drain on financial resources. Consequently, alternative measures must be taken to reduce costs, increase productivity and provide more control over business operations. To reach these goals, many organizations look to Intelligent Decisions (ID) to transition their 4GL technologies to COBOL and eliminate:

- Costly annual fees, upgrade costs and maintenance charges.
- Complex and ineffective application integration.
- Reliance on proprietary languages.
- Potential consumption of large amounts of CPU resources from 4GL's.
- Requirements that most 4GL require their own copy of the program in memory versus sharing of memory and resources.
- 4GL's difficulty integrating with CICS and tracking 4GL program resources.
- 4GL's difficulty providing change controls and audits.

COBOL to the Rescue

COBOL is one of the most open and portable third generation languages -3GL- used today. Our cost-effective iDMigration solution involves a sophisticated, automated conversion tool that enables evolutionary change from one programming environment to another. It converts legacy applications written in the major 4G languages to well structured, license free, COBOL CICS systems. After migration, clients can work with their current database code- still intact. Also, with run-time free COBOL programs, CPU upgrades do not incur additional upgrade charges, thus reducing overhead and providing 'portability' when needed. It is important to note that the availability of active COBOL programmers today far exceeds those of 4GL programmers.

BENEFITS OF 4GL TO COBOL MIGRATION

- Reduction in maintenance and upgrade fees
- Simplification of training / support requirements
- Avoidance of technical 'version lock- in'
- Minimizes the number of vendors required
- Minimizes audit and change control implications
- No visible changes at the application level
- Functionally identical (where technically possible) to the 4GL

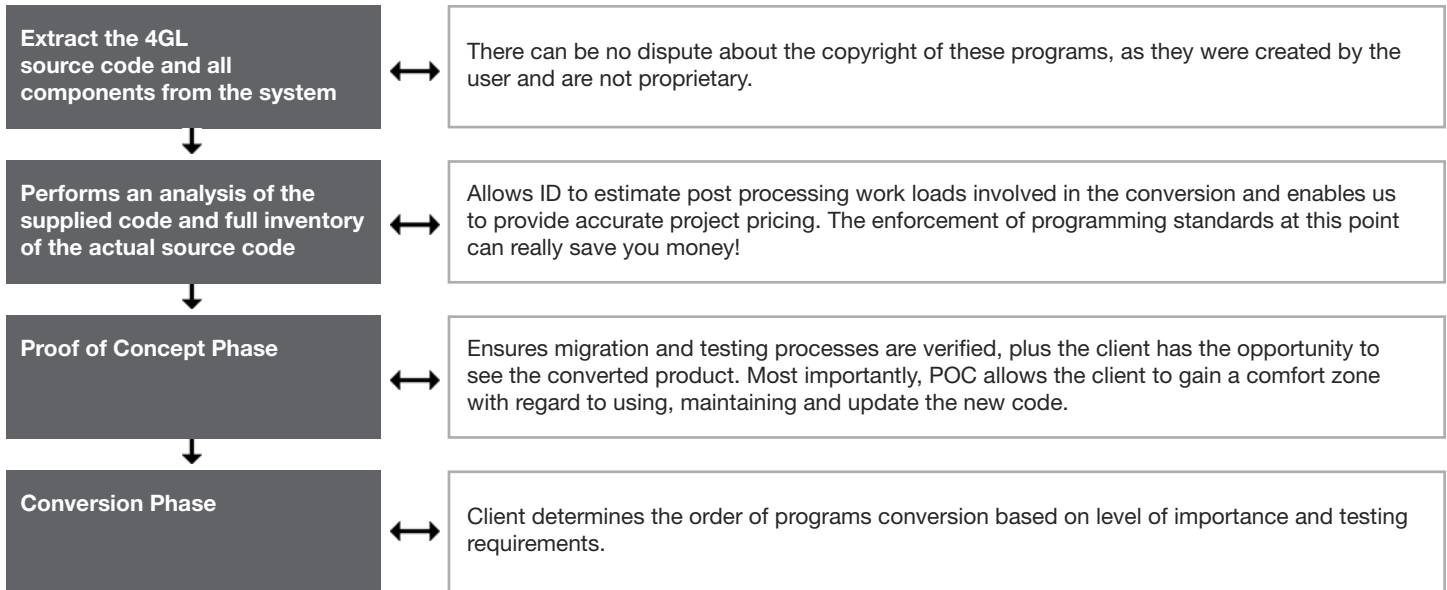
Migration Made Easy

Automated migration is clear-cut and eliminates the chance for human error. ID will convert, validate and ensure that code compiles and then presents it to the client for user acceptance testing (UAT). ID's migration methodology is based upon rule-driven technology that provides the migration of screen definitions and program source code information between different languages and environments. At no time does Intelligent Decisions read or require access to any proprietary technology used to execute the original programs, and we do not import this technology. All required details are contained in the user-written modules and the intellectual property rights are the exclusive property of the client.

Migration Facts

- The automated process converts applications written in 4GL into Pseudo Conversational CICS/COBOL programs with no run time or licensable modules.
- Much of the migration work is based upon intelligent software engines that "read" the source code and "write" or output the new target.
- The migration is rules based and the application programs are converted on a one-for-one basis.
- All data nomenclature, sections and paragraph names are kept from the original (where syntax and reserved words allow) and it is very easy for a programmer to recognize their 4GL code in the system generated COBOL.

Migration Process



MIGRATION HIGHLIGHTS

- Yields huge savings per year by removing the 4GL run-time license fees and associated support and upgrade costs.
- Increases savings of current resources (MIPS).
- Frees your environment from dependence on a particular vendor.
- Improves CPU usage.
- Generates well structured and easy-to-maintain programs.
- Processes a number of 4GLs.
- Improves technical support capabilities.
- Integrates with other corporate data sources.
- Eliminates the chance for human error through automation.
- Audits and changes can be tracked through normal COBOL source tracking.

Intelligent Decisions, Inc. (ID) is one of the fastest growing systems integrators in the Washington, DC metropolitan area. Founded in 1988, ID provides a broad range of IT hardware, software, manufacturing and service solutions to the federal government and Fortune 1000 customers. ID also offers comprehensive professional services capabilities including IT security, data lifecycle management and networking solutions. ID is headquartered in Ashburn, VA and ranked on both the VARBusiness 500 and GovernmentVAR 100 listings.



Intelligent Decisions, Inc. is pleased to partner with TSG Software Ltd on this sophisticated 4GL to 3GL migration solution.