

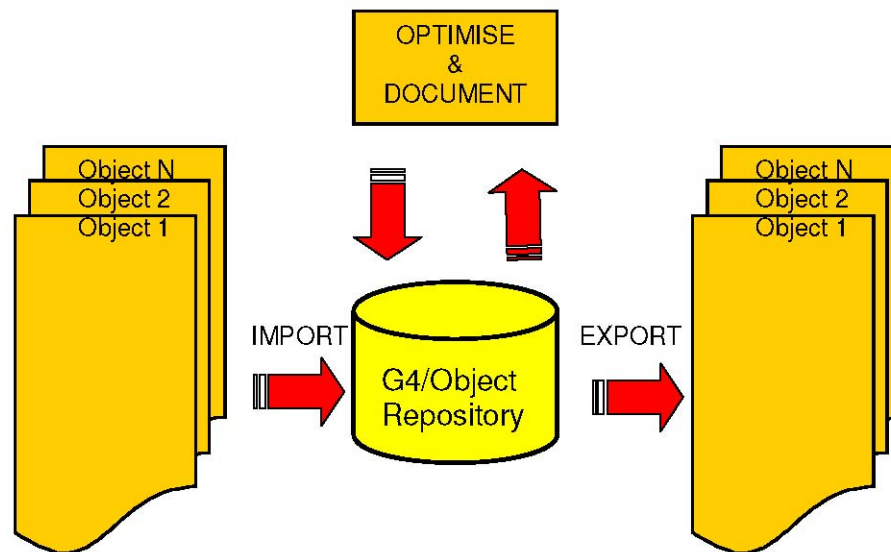
SOFTWARE CONVERSION

Many organizations have invested in tailor made software for their specific needs. Often these developments have taken place over a long period of time, maybe even on multiple development platforms, in multiple programming languages and by a variety of engineers.

Maintenance costs for these systems are increasing. New functionalities, such as the link to the Internet, are difficult, if not impossible to implement. Documentation for these systems is often outdated or even missing. Dedicated hardware becomes obsolete. Sounds familiar?

Lightyear Consulting Ltd. offers the possibility to convert your software to a new platform. The investments you made in your software are preserved while you open up your system for new developments. Maintenance costs will be lower, thus releasing engineer resources or budget for new developments, if so required.

Software Conversion Process



The conversion process consists of three steps:

1. Importing existing source code

In this first step the source code of the existing application is imported into the core of the conversion system. An entire application, consisting of programs of multiple programming languages can be imported in this first step. The source code is converted into an intermediate format, the G4/Object Repository, especially designed for this purpose.

2. Optimization & Documentation

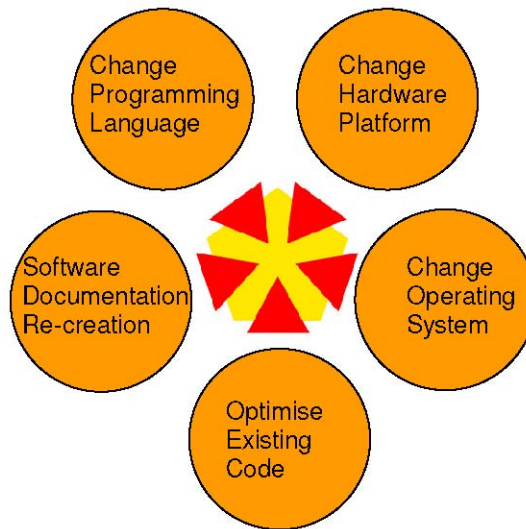
Once imported into the G4/Object Repository, a wide range of processes is initiated. All dependencies and independencies of the source code, variables and data files are identified. Unused and Duplicate Code is identified and optimized, etc. After the analysis and optimization process, new flowchart documentation is generated. These processes form the core of the conversion path. They optimize the software and generate a complete set of up-to-date documentation.

3. Export to a new programming environment

After the optimization and documentation operation performed in step 2, the code is exported to the new development platform. One uniform style, fully documented and fully operational!

Through the three-step approach of code conversion, many different services can be offered. We currently support over 40 programming languages. Additional languages and platforms can be added by creating specific import and export modules.

Conversion Services



1. Change programming language

This involves a total transition from one programming environment to another. All functionalities are kept while your software is converted to the new development platform.

2. Change hardware platform

New technology creates new possibilities on the hardware side. Should you decide to change your hardware platform, we will convert your software so that it will run on the new systems.

3. Change operating system

New operating systems emerge. Linux is becoming increasingly popular. If you wish to switch operating systems, we will enable a smooth migration of your software.

4. Optimise existing code

Over the years many people have worked on your software, each with their own skills and styles. We will “clean up” your code, beautify and optimize it and generate a single signature set of source code.

5. Software documentation re-creation

Your software runs fine but you are afraid to touch it, as the documentation is outdated or even missing. We will generate a complete new set of documentation (like flow-charts, CRUD matrices, DFD's etc.) for the software you use.

Doing business, the Lightyear way

The Lightyear way of doing business is simple and straightforward. We work on a Fixed Time / Fixed Price basis. We will work with our team from start until final acceptance. Clear, committed and without surprises.