# FreeSoft
## Liberate your Legacy

Legacy Modernization

Service Oriented Architecture

Analyzer

Parser

Automated Converters

Application Portfolio Management

# Liberate your Legacy Systems – FreeSoft's path to leverage the benefits of Service Oriented Architecture

Your business processes are your company's srategic assets. These assets are locked up in expensive proprietary systems and application environments which are difficult to integrate into a modern, Service Oriented Architecture. Protecting these assets while freeing them to evolve with innovations in information technology should be one of the key goals for every CIO.

## Liberate your Legacy

Modernization is the way to take advantage of new technologies while protecting your investment in legacy applications and unlocking the potential of legacy data. Modernization also lowers cost and positions your company to better take advantage of new technologies in support of new business requirements.

## Key features

- Holistic approach
- Architecture driven methodology
- Automated Converter Tools
- Service Oriented Architecture (SOA)
- Java EE 5 Architecture
- Web Services
- Business process as corporate asset
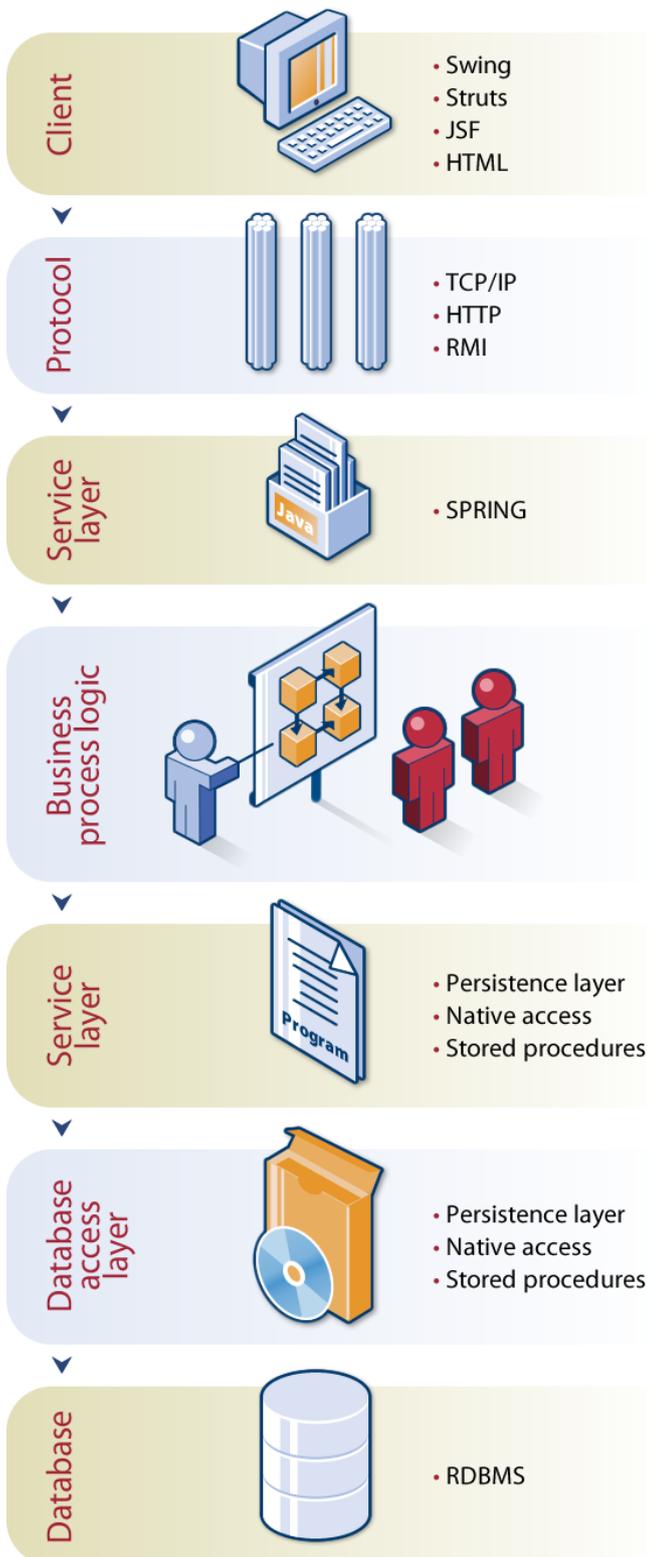- Application Portfolio Management (APM)
- Risk mitigation

## FreeSoft provides the following products and services:

- *Portfolio Liberator*™, our APM tool, to determine which applications and systems need to be modernized
- *Knowledge Liberator*™ to capture the design and current state of the application. With *Knowledge Liberator*™ all information about the current application are loaded into our parsing technology
- *Data Liberator*™ is a set of tools that use metadata created by the *Knowledge Liberator*™ and creates mappings between original data models to relational database schemas. It converts and loads legacy data to RDBMS as well
- The *Code Liberator*™ uses metadata created by *Knowledge Liberator*™ to transform programs written in 3rd and 4th generation programming languages into new applications using the Java EE 5 architecture
- Testing
- Training
- Project Management

FreeSoft's automated services include amongst others the migration of the following environments, databases and related legacy programs to the Java EE 5 architecture:

| Non Relational Databases: | Relational Databases: | | TP Monitor Systems: | Programing Languages: |
|---|---|---|---|---|
| ADABAS | DB2 | RDB | CICS | COBOL, RPG |
| IMS/DB | Informix | Ingres | IMS/DC | Natural |
| VSAM/ISAM/QSAM | Oracle | MS Access | | Informix 4GL |
| | Sybase | MSSQLServer | | Ingres 4GL |

## Final architecture:



**Client**
- Swing
- Struts
- JSF
- HTML

**Protocol**
- TCP/IP
- HTTP
- RMI

**Service layer**
- SPRING

**Business process logic**

**Service layer**
- Persistence layer
- Native access
- Stored procedures

**Database access layer**
- Persistence layer
- Native access
- Stored procedures

**Database**
- RDBMS

*A flexible, multi-tier, state-of-the-art architecture not only re-duces maintenance costs but increases the level of flexibility of your business as well.*

## FreeSoft's *Liberator Workbench*™ provides the following:

- **Parsing of legacy database schemas and data defini-tions and generation of RDBMS DDL**
- **Creation of scripts to unload legacy databases or file systems and load the target database using loader programs**
- **Generation of a Java persistence layer to map data objects to the relational database**
- **Automated program conversion**

**FreeSoft's automated approach to migration quickly and inexpensively transforms legacy applications to a new enviroment and architecture while maintaining the data and the functionality of the original system. FreeSoft's approach is based on repeatable processes that reduce risk and prevent mistakes caused by manual procedures.**

## Why FreeSoft?

FreeSoft offers automated solutions and services to liber-ate your legacy systems. You will get an accurate inventory of your IT portfolio including hardware and software infra-structure, legacy applications, business processes and even organizational structures in order to support the strategic decision of IT modernization. Combining our APM tools with our parser and converter technologies you will leverage the benefits of FreeSoft's architecture driven methodology. Architecture driven methodology versus the component driven methodology assures a step by step approach to SOA and Java EE 5 architecture while your daily business will continue to run as usual.

## About FreeSoft

FreeSoft has been involved in the IT modernization and legacy transformation business since 1998. FreeSoft has built a series of conversion technologies, project methodologies and processes to understand and transform a great variety of legacy systems into a modern IT environment and a new architecture, while ensuring the lowest risk and cost. Our leg-acy modernization services enable customers to transform different legacy systems running on heterogonous proprie-tary platforms, developed in various programming languag-es with data stored in legacy databases and file systems, into a Java EE 5 environment and SOA based architecture.

**FreeSoft's automated approach to migration provides a low-risk, high-quality, and relatively inexpensive method for modernizing existing applications to a new, stand-ards-based environment. A FreeSoft representative will be pleased to discuss how your project can benefit from the use of our automated methodology.**

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