INTELLIGENT ADAPTERS BY Transoft

Transoft e-volutionary solutions

Development through continuous evolution and integration of legacy systems

The best approach to meeting changing business requirements is to develop through evolution and integration of existing systems, retaining business rules, logic, data and leveraging investments in developer skills. It is essential that today's applications provide a flexible architecture that will support current as well as future application integration challenges. It is therefore critical that new strategic developments be based on new technologies and standards, while at the same time seamlessly integrating with your existing core applications.

So how can IT adopt new technologies, seamlessly integrate them into existing applications while simultaneously achieving optimum performance and scalability - the solution is to adopt a flexible "component" based approach.

Component-based Technology

Component based architectures provide high performance and scalability which are well suited to e-business applications where the user community cannot be calculated. Clients use server process' only for as long as it takes to accept input parameters, process them, and return output results.

The standards-based component architectures cover Microsoft's COM/DCOM, Enterprise Java Beans (EJB), CORBA, and XML.

All of this sounds wonderful, but if the existing applications are in COBOL, RPG, C, BASIC, etc. there is a problem. These legacy languages do not directly support COM/DCOM, EJB, CORBA, or XML. In the past developers have created their own proprietary point-to-point connections, which just created even more proprietary legacy application code without any of the component based benefits.

The better approach is to enable legacy applications to connect directly to newer applications - using the same standards to communicate with each other.

Transoft family of Intelligent Adapters

This unique family of adapters for Data, Screen and Language, based on Universal SQL data connectivity (U/SQL) and Transoft's Component Framework (TCF) Adapters successfully address the issue of connecting new applications with old applications. Available for a wide range of legacy application environments, including COBOL, RPG, C, BASIC and others, applications and their data can be connected to the new development environments. The TCF Adapter middleware ensures optimum performance and scalability. They differ from other message or RPC based adapters by providing a broker that managers communications and provides the following advantages:

- Data and business logic are delivered as reusable component services
- Multiple clients use each instance of a component giving high performance and scalability
- Automatic load balancing
- Management of clients' transaction context.

Transoft Component Framework Adapters Integrated Development Environment (TCF IDE)

The product set includes an integrated development environment (IDE) which provides a graphical workbench for automated creation of the interfaces between the target data services, screen-based services and/or language business logic services and the target client application.

The TCF IDE is easy for any legacy language developer to understand. SQL for Data Adapters can be automatically generated and tested before being used as data services. Screen Adapter services provides an emulator and navigation designer to create the necessary scripting. Wrapper code and skeleton programs are automatically generated in the language of the legacy application for the Language Adapters. The TCF Component Extractor allows COBOL and RPG program code to be easily lifted out and packaged as a component for access by the new client based application.

Transoft TCF Adapters can provide a direct XML feed into any other application. Legacy business logic/data can be integrated directly into a Java or Visual Basic application using EJB, and COM CBD standards.

MB Foster
Forging the Future

82 MAIN STREET SOUTH - CHESTERVILLE, ONTARIO - CANADA K0C 1H0
PHONE: 613-448-2333 OR 1-800-ANSWERS (267-9377) - FAX: 613-448-2588 - WWW.MBFOSTER.COM