

ENTERPRISE JAVABEANS™ TECHNOLOGY

Btech Consulting's qualified professionals offer in-depth experience in the implementation of Enterprise JavaBeans™ (EJB) technology. EJB is a fundamental software architecture that combines web technologies, distributed architecture, and platform-independent development into a more effective way of designing, developing, deploying and maintaining enterprise applications.

With the latest outgrowth of Java™ technology-based development efforts, the Enterprise JavaBeans™ component architecture combines the Java™ technology, JavaBeans™ components, Java Servlets, and the Java Servlet Pages (JSP) technology. EJBs are components that allow applications to communicate and collaborate across multi-tiered environments and across common structures like the Internet and intranets. Together with Java™, JavaBeans™, Java Servlets, and Java Server Pages, the EJB technologies and EJB application framework may provide the most fundamental architectural changes in enterprise software development efforts in recent years.

Btech Consulting implements Enterprise JavaBeans™ technology when there is a need for distributed objects to communicate and collaborate with each other across the networks without the associated limitations of client-server or the server-server architectures. EJB technology enables enterprises to develop, implement, and benefit from multi-tier (also called N-tier) architectures. Multi-tier architecture is defined as where pieces of an application, distributed across the client-tier, the middle-tier server(s), and the enterprise legacy systems or the enterprise backend, perform together to partition business tasks.

EJBs and THE FUTURE

Today we are witnessing very important developments in standardization of the object-oriented programming techniques and the emergence of the multi-tier applications. These developments will lead to multi-tier application partition through the creation of distributed network applications.

Based on Btech Consulting's analyses, every conceivable enterprise functionality can be created with Java™ and EJB technologies. Although traditional C and/or C++ based

technologies can provide the same flexible environment, enterprises can develop business functions considerably faster using Java™ and EJB technologies. In addition, we have found that Java and EJB technologies minimize development concerns about memory leakage and pointer allocation errors, both of which are afforded a substantial amount of time and effort in C/C++ programming. Furthermore, enterprise code can be used in a multi-vendor, heterogeneous environment because of the platform independent structure of the Java™ and Enterprise JavaBeans™ technologies.

Btech Consulting's implementation of EJB technology articulates the benefits seen and expected by enterprise IT managers. These include:

- Reduction in the time and cost that it takes to bring a new application to market
- Minimization of the software revision cycle so that smaller, more incremental changes can be brought to the market more quickly
- Simplification of the tasks of creating and modeling business by eliminating the need to implement backend functions such as transaction monitoring, messaging, resource polling, software life-cycle management, and system security maintenance.

Java™ and EJB technology will play a vital role in the global distributed enterprise applications of the future. As companies who have already implemented enterprise applications begin to reduce the development experience curve and the associated development costs, there will be a mass progression to Java™ and EJB technologies by profit seeking organizations as well as organizations involved in mission critical (7/24/365) development efforts as they begin to witness the benefits of affording resources for this technology. Regardless of whether an organization's purpose is to reduce costs/increase profitability or to complete mission critical tasks, Btech Consulting provides Java™ and EJB technologies which transcend into the much needed software component reusability, security, and long term benefits which are crucial to any organization's goals.

Meeting New Challenges!

Today's demanding business requirements are placing new pressures on enterprise's technology environment. Customers and business partners expect clear, comprehensive, and flexible enterprise data to work with.

Btech professionals will help your organization build secure, reliable, standards-based infrastructures and innovative computing environments, allowing you to rapidly manage and disseminate enterprise data.