



### *Overview*

This 5 day course covers the fundamentals of distributed development using Enterprise JavaBeans 2.0 (EJB), including stateless and stateful session beans, entity beans and message-driven beans. The course also covers EJB deployment and container-managed persistence, as well as transactional and security concerns with EJBs. You will become familiar with the general use of Java Message Service (JMS) and how to write messaging clients. In addition, this course will cover aspects of the BEA WebLogic Administration Console as they pertain to EJB deployment and monitoring.

### *Skills you will learn*

- Receive hands-on exposure to the architecture of EJBs
- Learn to develop stateless session, stateful session, entity, and message-driven EJBs
- Gain an understanding of advance object-relational mapping techniques
- Learn how to deploy and monitor EJBs with BEA WebLogic Server 8.1

### *Topics Covered*

- EJB Architecture
- EJB Deployment
- Stateless Session Beans
- Stateful Session Beans
- EJB Environments and Resources
- EJB Security
- EJB Transactions
- Message-Driven Beans
- Local Interfaces
- Container-Managed Persistence Entity Beans
- Bean-Managed Persistence Entity Beans
- EJB Relationships
- Introduction to Messaging
- BEA WebLogic Server JMS

### *Prerequisites*

The course assumes no prior knowledge of EJB development or deployment. Knowledge of the Java 2 Standard Edition and of installation and basic administration of BEA WebLogic Server is assumed. Students are also expected to be proficient in

developing applications with Servlets and JavaServer pages, Java Naming and Directory Interfaces (JNDI), multi-tier Java Database Connectivity (JDBC), and Java Transaction API (JTA) services.

***Course Length***

5 Days

***Course Format***

Lecture with computer-based labs