



### *Overview*

This course focuses on the flexibility afforded by using BEA WebLogic Server 8.1 and its implementation of the Java 2 Enterprise Edition (J2EE) specification during Web-based application development. You will learn the core features of the presentation components (Servlets and JavaServer Pages) and service technologies (naming services, distributed transactions, and multi-tier database access) as they map to the widely used Model-View-Controller application architecture. This course also covers the deployment of Web applications, using XML-based configuration files and the BEA WebLogic Server Administration Console. Additionally, you are introduced to the concepts of design patterns and how they are used in the Model-View-Controller (MVC) design architecture. You will get a brief introduction into the motivation and client-side use of Enterprise JavaBeans (EJB). Please note that complete EJB development and deployment will be covered in the follow-on course: BEA WebLogic Server 8.1: EJB Basics.

### *Skills you will learn*

- Rapidly develop and deploy enterprise applications
- Build J2EE-based applications
- Test and debug applications in BEA WebLogic Server 8.1
- Secure enterprise applications to protect against unauthorized access

### *Topics Covered*

- BEA WebLogic Server 8.1 implementation of J2EE
- J2EE Web Application development
- J2EE design patterns
- Model-View-Controller design architecture
- Basics of installation of BEA WebLogic Server 8.1
- Syntax, configuration and motivation behind:
  - Servlets v2.3
  - JSP v1.2
  - JNDI
  - JDBC
  - JTA Web applications
  - Enterprise Applications
  - Client-side use of EJB

### ***Who Should Attend***

- Web Application Assembler
- Web Application Deployment Specialist

### ***Prerequisites***

Object-oriented Java Programming

### ***Course Length***

5 Days

### ***Course Format***

Lecture with computer-based labs