

JBoss and EJB3 for Java Developers

Days	4
Code	JB161

Overview

The JBoss and EJB3 for Java Developers course is recommended for individuals who wish to become Certified JBoss Developers, or who wish to progress to the JBoss for Advanced J2EE Developers course. This course provides an in-depth introduction to JBoss, EJB3 and J2EE, and is ideal for students with Java experience wishing to deepen their knowledge. This class does not lead to a standalone certification; however, to enter the Middleware Track, one must either have attended the JBoss and EJB3 for Java Developers course OR successfully pass the Placement exam.

This course is targeted toward proficient Java developers who wish to extend their knowledge to EJB3 and J2EE middleware programming using the JBoss Application Server. This class is an in-depth introduction to EJB3 and J2EE using the JBoss Application Server. It provides a hands-on approach to EJB3 and J2EE application development, deployment and the tools necessary to facilitate both processes.

Prerequisites

Basic Java programming skills and knowledge of OOAD concepts are required. The student must have practical knowledge of, and/or experience with, the following:

- The object-oriented concepts of inheritance, polymorphism and encapsulation
- Java syntax, specifically for data types, variables, operators, statements and control flow
- Writing Java classes as well as using Java interfaces and abstract classes
- Using Java collections
- Handling Java exceptions
- Using the JDK and creating the necessary environment for compilation and execution of a Java executable from the command line.

No prior knowledge of J2EE or the JBoss Application Server is required. This training is based on JBoss 3.2.x and 4.x series.

Course outline

- Introduction to J2EE and EJB3
- Servlets
- Java Server Pages
- Naming Services and JNDI
- Introduction to EJB3
- EJB3: Stateless Session Beans
- EJB3: Stateful Session Beans
- EJB3: Entity Beans
- Transaction Assembly
- J2EE Security and JBoss
- EJB3: Message Driven Beans (MDB) and the Java Message Service (JMS)
- EJB3 Interceptors
- Web Services with EJB3
- JMX and JBoss Microkernel
- Extensions to EJB3 – A preview of EJB3.1 (OPTIONAL)
- J2EE Tools (OPTIONAL)