

J2EE eCommerce Overview

- **Course Number:** Java-eCom
- **Length:** 1 Day(s)

Certification Exam

There are no exams associated with this course.

Course Overview

This overview course will utilize a series of instructor lectures to introduce the participants to the J2EE architecture and the basic infrastructure of the eCommerce environment. This course will strive to introduce the following topics; role of different infrastructure components (like browsers, web servers, application servers and firewalls), discuss the role of J2EE containers (Web and EJB), illustrate the usage of various Java components (servlets, JavaServer Pages and enterprise JavaBeans), J2EE security, J2EE services (JDBC, JMS, JNDI, JTA, etc) and provide a high level illustration of the interaction between all of these different pieces.

Prerequisites

Basic knowledge of programming and Java programming language is required.

Audience

This course is intended for software developers using Java programming language.

Course Outline

- Level 1
- Overview
- eCommerce evolution
- Development Paths
- Web Architecture Design
- Component/Container Strategy
- Java Component Strategy
- J2EE Containers
- J2EE Server Models
- Application Server Container
- Web Application Components
- Role of Browser
- Web or HTTP Server
- Web and Application Server
- Java Components 09m 53s
- J2EE Packaging
- Web Container
- EJB Container
- Level 2
- J2EE Architecture
- J2EE Configuration
- Illustrating J2EE
- J2EE Platforms

- J2EE Extensions API
- J2EE Container Role
- J2EE Containers
- Illustrating JNDI
- Using JDBC
- Messaging using JMS
- J2EE Security
- J2EE Transaction Model
- Level 3
- Application Components
- Illustrate Servlet Processing
- Stateful Servlets
- JavaServer Pages
- JSP Advantages
- JSP Operational Model
- Servlet/JSP Model
- Illustrating EJBs
- Entity EJB
- Entity EJBs
- Session EJBs
- Message EJBs
- Illustrating EJB Container
- J2EE Security
- Security Layers
- Course Closure