

Summary

Duration: 5 days

This course explores the Enterprise Edition of Java, and takes delegates through the process of building a full web-based application using J2EE.

Starting with the database and how to use JDBC, the course then progresses through the construction of the business tier, and explains how J2EE helps you to write scalable and performant applications.

The second half of the course describes the web tier and shows how servlets and JSP's are combined to form a solid architecture.

Detailed Course Description

- Introducing J2EE
- Java and Databases - JDBC
- Java Naming and Directory Interface - JNDI
- Enterprise Java Beans (EJB)
- Advanced EJB
- The Java Messaging Service (JMS)
- Webservices and Java
- The Web Tier - Introducing MVC
- Servlets
- JSP
- Web Tier Frameworks

Objectives

By the end of the course attendees will:

- Understand what J2EE is and how modern application servers support it
- Be aware of the restriction of the J2EE specification
- Be able to work within the Model-View-Controller (MVC) architecture and be able to explain its benefits
- Understand the structure of EJB's, and to know when and when not to use them
- Be able to write a webservice and a client consumer application
- Be able to write applications based on the Java Messaging Service (JMS)

Each theory session is followed by a practical session.

Prerequisites

A good working knowledge of Java; as a minimum you should be confident with the syntax of Java, be able to write classes and have a grasp of Exceptions and Object Orientation.

If you do not have hands-on experience of Java, then the Java Programming course is a good warm up but we recommend a few weeks between the two courses to gain maximum benefit.