

Advanced Java programming

A 5 day **Hands on** training course



Description

A tour of the more advanced features of Java following on from the Introduction to Java course. JDBC and JavaBeans are covered in separate courses.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Use Java to implement OOA/D.
- ✓ Use within Java programs:
 - Internationalisation
 - Object serialisation
 - Reflection
 - RMI
 - Swing
 - JAR files
- ✓ Write Servlets and Java Server Pages.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Those wishing to program in Java.

Prerequisites

Introduction to Java programming.

Duration: 5 days

Overall rating:



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

Advanced Java programming

Course Content

OO features in Java

static initialisers, object destruction, finalisation, constructor chaining, shadowing, Abstract classes and interfaces, inner classes, nested classes, member classes, local classes, anonymous classes.

Internationalisation

Locales, Unicode, local customs, localising messages.

Object Serialisation

Simple and custom serialisation, class versioning,

Reflection

Obtaining class and member information.

RMI

Restrictions, RMI architecture, Stubs, skeletons, rmic, the registry server, The RMI API.

Swing

An overview, examples, comparison vs. AWT, data transfer cut & paste.

Servlets

Servlet API, Java Web server, The servlet life cycle, chaining servlets, Hybrid servlets.

JAR files and signed applets

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!"

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

