

# Advanced Java using RAD7

WT1642

This course teaches how to develop advanced Java applications using RAD 7.0. The advanced features of Java that developers may be using in many different types of programs are covered.

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## Audience

- This course is intended for programmers who are familiar with Java and want to learn about the advanced features of Java. Analysts

## Prerequisites

- A good understanding of object-oriented programming using Java.

## Course Length

- Five Days

## Learning Objectives

- Test Java code using JUnit
- Understand how to connect to databases and work with data
- Use the logging capabilities built into the Java language Use the support for multiple languages provided by Java
- Use the reflection API to programmatically obtain details on Java classes
- Provide better architecture for Java programs
- Work with multi-threaded Java applications
- Use networking and distributed technologies of Java
- Work with XML from Java code
- Use Java capabilities to intergrate with non-Java code
- Use the security APIs provided with the Java language

## Teaching Methods

- The labs cover many advanced topics that students will encounter when programming Java applications. Together these labs give students practical hands-on experience in creating and deploying advanced Java technologies using RAD 7.0

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## Course Outline

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- JavaBeans
- JUnit
- JDBC
- Java Logging API
- Internationalization
- The Reflection API
- Architecture
- Threads
- Networking
- Distributed Objects
- Parsing XML with SAX
- Parsing XML with DOM
- JNI
- Security
- Summary of Recent Java Changes