
Title: **Eclipse Rich Client Platform development**

Target audience: Programmers, system designers

Duration: 3 days, 8 hours/day

Description This course introduces the Eclipse Rich Client Platform. The audience will get an overview of the system architecture, the application development guidelines, and the most important APIs. The course also offers a hands-on lab part that helps to get used to Eclipse RCP-based development.

Learning objectives At the end of the course, students will be able to:

- Understand the basic concepts and architecture of Eclipse RCP
- Design and implement RCP applications

Outline

Day 1: INTRODUCING The Eclipse Rich Client Platform

1. Introduction, rich client development concepts
2. Eclipse RCP architecture
3. Eclipse extension point system basics, OSGi basics

Day 2: Basic RCP Development

1. Creating a simple RCP application
2. RCP Design patterns
3. GUI basics, JFace, Eclipse Forms
4. RCP-specific Eclipse extension points

Day 3: Hands-on-lab: Implementing an RCP business application

1. GUI building, data binding
2. Persistence management using JPA
3. Adding help and branding

Prerequisites To complete this course, you need:

- A Pentium IV, 1 GB RAM computer with Java SDK 5.0 or later
- Eclipse 3.4
- Java knowledge