

Eclipse RCP, Plug-in development

Basic Course

Eclipse Platform

Eclipse SDK is both, a leading Java Integrated Development Environment (IDE) and the single best tool available for building arbitrary tools and applications.

The SDK is composed of several Eclipse projects, including the Platform, Java Development Tooling (JDT), and the Plug-in Development Environment (PDE). Using a subset of these projects, you can build powerful IDE's and applications that work in conjunction with application servers, databases, and other backend resources to deliver a rich user experience.

Workshop

This workshop is an in-depth introduction to the Eclipse Rich Client Platform (RCP), and the Plug-in development capabilities. In this course, we'll cover all the key fundamental topics described in the course content with appropriate hands-on exercises.

Prerequisite

Knowledge of Java and experience of using Eclipse IDE for Java development is essential.

Modalities

Duration: 2 days

Structure: Instructor-led with 100% hands-on labs

Participants: Maximum 10 per workshop

Equipment: Participants supply their own computer with the latest Eclipse installed.

Agenda

Introduction

- Introduction - Eclipse Platform
- Workbench - Window, Menu, Page, Perspective, Views, and Editors.

Standard Widget toolkit

- Basic Structure
- Layout and Layout Managers
- SWT Events - Key, Mouse, Selection.

JFace Components

- Viewers - Tree, Table, and List
- Content and Label providers
- Views and Editors
- Custom Dialogs and Wizards
- Perspective and Preferences.

Command framework

- Command framework
- Expression framework

Jobs framework

- Using the Jobs API for long-running operations.