

ABAP Programming for Eclipse

Course Summary

Objectives

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

- Develop custom ABAP applications using the ABAP Development Tools for Eclipse (ADT).

Topics

- Introduction to Eclipse
- The ABAP Development Cycle in Eclipse
- Function Groups and Function Modules
- ABAP Dictionary Objects in Eclipse
- ABAP Objects and Eclipse
- Web Dynpro Development
- Utilities in Eclipse
- Testing and Analysis
- Eclipse: An Extensible Toolkit

Audience

Those who can benefit from this ABAP Programming for Eclipse course include:

- Developer
- Developer Consultant

Prerequisites

Essential:

- Basic ABAP Programming Knowledge

Recommended:

- Basic Knowledge of Object-Oriented Programming

Duration

Three days

ABAP Programming for Eclipse

Course Outline

I. Introduction to Eclipse

- A. Understanding How SAP Uses Eclipse
- B. Installing Eclipse
- C. Defining an ABAP Project
- D. Working With the Eclipse Workbench

II. The ABAP Development Cycle in Eclipse

- A. Creating Repository Objects
- B. Editing a Repository Object
- C. Debugging ABAP in Eclipse

III. Function Groups and Function Modules

Creating a Function Group and a Function Module

IV. ABAP Dictionary Objects in Eclipse

- A. Working With Data Elements
- B. Working With Structures
- C. Modelling Views with ABAP Core Data Services

V. ABAP Objects and Eclipse

- A. Creating a Global Class
- B. Refactoring

VI. Web Dynpro Development

Creating Web Dynpro Components

VII. Utilities in Eclipse

- A. Navigating in Eclipse
- B. Searching in Eclipse
- C. Managing Version Control
- D. Identifying Sources of Help and Information

VIII. Testing and Analysis

- A. Performing Static Testing with the Syntax Check
- B. Performing Static Testing with the ABAP Test Cockpit
- C. Performing ABAP Unit Tests
- D. Analyzing Performance with the ABAP Profiler

IX. Eclipse: An Extensible Toolkit

Extending Eclipse Functionality with Other SAP Tools