

Java Application Development for BlackBerry Enterprises – 3 days



Course Objectives

This is a practical course which explains the process of developing Java Applications for BlackBerry Enterprises using real world application examples.

Intended Audience

Consultants and developers that are looking to leverage the potential to develop Java applications that run on BlackBerry Smartphone's using the JDE tools provided by RIM.

Exercises

This course is instructor led, involving the utilisation of examples and exercises in a workshop environment.

Please note that this course outline is provided as an indication of the content to be provided on the course and is subject to change without notice.

Course Contents

Introduction to BlackBerry Application Development

- Overview
- Web based applications
- MDS Studio
- Visual Studio plug-in
- Native Java
- Hybrid developments

Introduction to JDEs

- Comparing the BlackBerry JDE with the Eclipse plug-in
- Using component packs with other Java Development Environments

Introduction to the JDE plug-in for Eclipse

- Pre-requisite software
- Installing the Eclipse environment and JDE plug-in
- Working with different component packs
- Adding a new component pack to the JDE
- Navigating the Eclipse environment

Your first BlackBerry Java Application project

- Creating a new BlackBerry project
- Designing a UI using screens
- Working with controls
- Coding the actions and events
- Displaying results

Testing and Debugging Applications

- Running your applications on the simulator
- Setting breakpoints
- Watching code flow
- Watching variables
- Using the immediate window

Deploying Java Applications

- Installing the application on a device
- Wireless deployment
- Application security
- Using the Application Signing Tool

Adding features to your Application

- Working with persistent data
- Interacting with Web Services

Building a BlackBerry Database Application

- Connecting to a database
- Executing SQL
- Working with Cursors
- Transaction Management

Using Location Based Services

- Choosing an LBS Mode
- Getting the current location
- Setting up an LBS timer event

Interfacing with Built-In BlackBerry Applications

- Using the Contact Data Component
- Querying the contact list
- Working with other built-in data components

Supporting Legacy Devices

- Checking compatibility with firmware versions
- Upgrading firmware