

RAD for the BlackBerry Enterprise using MDS Studio 2.0 and Visual Studio – 3 days



Course Objectives

This is a practical course which explains the process of developing BlackBerry applications to be deployed using MDS-IS using real world application examples.

Intended Audience

Consultants and developers that are looking to leverage the RAD tools provided by RIM to quickly develop and deploy business critical applications to their user community.

Exercises

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

Course Contents

Introduction To BlackBerry Application Development Options

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

Your first MDS Studio project

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

Comparing the Visual Studio PlugIn

- Enhanced features
- Designing a UI
- Working with controls
- Coding the actions and events
- Displaying results

Testing and Debugging MDS Studio Applications

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

Deploying MDS Studio Applications

- Installing the MDS Runtime on the device
- Deploying an Application to the repository
- Making the application available to users
- To sign or not to sign?

Adding features to your Application

- Working with persistent data
- Interacting with Web Services

Building an Offline database application

- Connecting to a database
- Executing SQL
- Working with Cursors
- Transaction Management
- Server Side Database Synchronisation

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 MDS Runtime version
- Upgrading firmware