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Developing Applications in IBM Business Process Manager Advanced V8.5.7 - II
Information

Length:	40.0 Hours
Ref:	WB861G
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

This course is also available as self-paced virtual (e-learning) course *Developing Applications in IBM Business Process Manager Advanced V8.5.7 - II* (ZB861G). This option does not require any travel.

This course continues to build the skills and concepts that are learned in courses *Developing Applications in IBM Business Process Manager Advanced V8.5.7 - I* (WB860G) and *Developing Applications in IBM Business Process Manager Advanced V8.5.7 - I* (ZB860G). Those courses introduced the service-oriented architecture (SOA) approach to business process management (BPM), and covered how to build a basic process integration solution. In this course, you learn how to extend the functionality of that solution to accommodate more process integration scenarios.

Through presentations and hands-on lab exercises, you learn about the Service Component Architecture (SCA) programming model and runtime environment, XML (business object) support, Business Process Execution Language (BPEL) handlers, business state machines, and SCA transactions. You also learn about business process dynamicity and flexibility, relationships, and mediation primitives. Other topics include creating versions of SCA components, test environment capabilities, and approaches to securing SCA applications.

You use the IBM Process Center repository to add process model artifacts in a complete and integrated development solution. You learn how to apply governance to process applications.

In addition, you use IBM Integration Designer to design, develop, and test comprehensive process integration solutions that use the SCA programming model, the Service Data Object (SDO) data model, and the mediation flow programming model. You learn how to deploy these solutions to the IBM Process Server runtime environment, maintain them in the IBM Process Center repository, and test them in the IBM Integration Designer test environment.

The course also covers how to use the tools of IBM Business Process Manager for iterative (model-driven) application development. For example, you learn how to develop a process diagram in IBM Process Designer, store it in the IBM Process Center repository, and associate it with modules and libraries in IBM Integration Designer.

The lab environment for this course uses the Windows 2012 server R2 64-bit platform.

For information about other related courses, see the IBM Training website:

ibm.com/training

Public

This course is designed for integration developers and other application development specialists.

Prerequisites

Before taking this course, you should successfully complete *Developing Applications in IBM Business Process Manager Advanced V8.5.7 - I* (WB860G) or *Developing Applications in IBM Business Process Manager Advanced V8.5.7 - I* (ZB860G). You should also have:

- Basic Java and Java 2 Platform, Enterprise Edition (Java EE) skills
- Experience with, or prior education on, WebSphere Application Server, or experience with Rational Application Developer
- Basic Extensible Markup Language (XML) skills

Topics

Course introduction

Introduction to IBM Business Process Manager V8.5.7

Exercise: Using iterative development to create applications

Course business scenario

Version control and testing of SCA applications

Exercise: Version control for SCA applications

SCA bindings, the SCA runtime, and SCA quality of service qualifiers

Exercise: Working with SCA bindings and qualifiers

Fault handlers

Exercise: Applying fault handlers

WS-BPEL compensation and event handlers

Exercise: Applying a compensation handler to WS-BPEL

Business state machines

Exercise: Working with business state machines

Transactional behavior of SCA applications

Exercise: Defining transactional behavior in SCA applications

Business process flexibility

Exercise: Creating flexible business processes

Relationships

Exercise: Working with static relationships

Mediation primitives

Exercise: Implementing a mediation flow

Mediation flow control

Exercise: Writing a generic error handler for IBM Process Server

Security

Exercise: Implementing security

Governance of process applications

Exercise: Applying governance to process applications

Integrating with IBM Business Process Manager

Exercise: Integrating other applications with IBM Integration Designer

Course summary