IBM WebSphere Lombardi Edition 7.1-7.2 Process Implementation

Duration: 3 Days  Course Code: WB002G

Overview:

This 3-day, instructor-led course teaches delivery best practice patterns and IBM WebSphere Lombardi Edition implementation practices that improve the speed and quality of process definition and implementation efforts. In this course, students use IBM WebSphere Lombardi Edition to implement functionality in a business process definition (BPD). First, students examine the architecture of WebSphere Lombardi Edition to provide contextual information for the rest of the course. Students then learn how variables in Lombardi are scoped and used to exchange information between services and business processes. After learning about variables, students examine process flows to learn about routing and gateways. Students then build user interfaces (Coaches) and leverage the integration capabilities that Lombardi provides. The focus of this course is on reuse, ease of maintenance, and using best practices. After completing the integration exercises, students implement message events. Finally, students learn best practices for snapshots, toolkits, and organizing process assets.

This course uses an interactive learning environment, with hands-on demonstrations, class activities to reinforce concepts and check understanding, and labs embedded in each of the course units that enable hands-on experience with BPM tasks and skills. This course is designed to be collaborative, and students can work in teams to perform class activities.

For information about other related WebSphere courses, visit the WebSphere Education Training Paths website:
http://www.ibm.com/software/websphere/education/paths/

Target Audience:

This course is for project members who implement detailed logic, data models, and external system integrations for an executable business process.

Objectives:

- Define the Lombardi Edition object model and extend it with custom data types
- Create process variables to represent complex data, such as arrays and nested objects
- Describe variable scoping in Lombardi Edition and map flow of data between process activities, nested services, and sub-process definitions
- Use the Lombardi Edition user interface (Coach) designer to create screens to capture user input for a process activity
- Use data binding and events to control population of data within a Coach control
- Configure visibility options to customize Coach appearance based on user role or other conditions
- Define and implement guided user interactions using Lombardi Edition Coaches
- Describe how Lombardi Edition Integration components interact with Lombardi Edition Services
- Use a Lombardi Edition Integration Service to query data from a relational database
- Describe how to model a business rule in Lombardi Edition
- Implement gateways that manage conditional activity flow and parallel activity execution
- Identify the components of the Lombardi Edition Message Event architecture
- Describe how to implement message events in Lombardi Edition
- Trigger the start of a Lombardi Edition process based on a message event
Identify the most common types of exceptions

Identify the parts of the Lombardi Edition Service Modeler

Map variables between a nested service and an activity in the overlying BPD

Identify when to use exception handling in Lombardi Edition

Describe possible exception handling patterns

Identify the components of the Lombardi Edition integration architecture

Define the basic functionality of a Lombardi Edition Integration Service

Prerequisites:

Students should have:

- Practical knowledge of data structures
- Understanding of SQL syntax
- Working experience with XML, XSLT, HTML, and Javascript
- Basic understanding of Web services
- Experience with modern programming techniques
Content:

- WebSphere Lombardi Edition architecture
- Managing data
- Managing process flow
- Building Coaches
- Integration Services
- Message Events
- Snapshots, toolkits, and organizing assets
- Course summary

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Further Information:

For more information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931
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