

BEA ALBPM 6.0 Programming 1: Essentials

Lo que aprenderá:

This course teaches developers the essential programming concepts they need to develop rich, interactive business processes using BEA's AquaLogic Interaction Business Process Management (ALBPM) product suite.

Developers work with the activities that make up a business process, developing the code that implements business logic, integration with external systems, and the UI for end-user interactions. They explore the Process Business Language in depth (the language you use to code the functionality behind business process activities), covering its syntax and structures, its use of Business Process Management (BPM) objects (a fundamental mechanism for abstracting your code), and exception handling. Finally, they learn about the development lifecycle - from business model development, to testing and deployment in a production environment.

Prerequisites

Prerequisites Requeridos

- Experience with C#, Java or other Object Oriented programming language
- Web Programming technologies and issues
- BEA ALBPM 6.0 Foundations

Objetivos Del Curso:

- Create projects and processes using ALBPM Studio
- Develop code using the ALBPM Process Business Language (PBL)
- Describe and use the basic design patterns
- Develop code for all activity types, including split/join split-N, subflows, and notification wait
- Use ALBPM Studio to define and manage users and roles
- Debug PBL code
- Develop BPM objects
- Implement exception handling at the business process and code levels
- Develop business process UI (screenflows and presentations)

Temas Del Curso:

Architectural Overview

- Define the ALBPM Solution
- Identify the components of the ALBPM Product Suite
- Describe the purpose and functionality of the ALBPM Product Suite

Building the Basic Process

- Launch ALBPM Studio and create a new project
- Create a new process
- Create activities and transitions in a process
- Create process roles
- Create the initial trigger for a process
- Define documentation for a process

ALBPM Activity Types

- Identify the different types of activities that can exist in an ALBPM process
- Describe the functional differences between activity types

Using Variables

- Identify the different scopes of variables used in an ALBPM process
- Declare variables
- Understand the purpose of Business and Project Variables
- Use variables in conditional transitions

Process Business Language (PBL) Basics

- Use the Studio method editor to write process logic for conditional transitions
- Generate user inputs and displays by writing PBL code
- Use Studio code templates to quickly generate PBL code
- Explain the use of Time datatypes
- Use the various control flow constructs of PBL
- Use the Studio debugger

Roles and Participants

- Understand the Process organization structure
- Access the Organization elements in Studio
- Define Organization units, Roles, Groups, and Participants

Using the Workspace to Test a Process

- Configure the Workspace engine
- Describe the process of publishing and deploying a process to production runtime environments
- Participate in a business process using the Workspace

Building Screenflows

- Explain how screenflows are used in a process
- Use Business Process Management (BPM) Object presentations in a screenflow

Split/Join Circuits

- Explain how Split / Join circuits work to improve the performance of a process
- Describe the purpose of a Split-N activity and how it differs from a Split activity
- Create a Split / Join circuit
- Write Join activity code to persist changes to variables
- Create a Split-N circuit
- Write code to create copies in Split-N

Subprocesses

- List the benefits of using subprocesses
- Explain how a subprocess can be made to run synchronously or asynchronously
- Create a subprocess and call it from a subflow activity
- Create a set of subprocesses and call them dynamically

Handling Exceptions - The Basics

- Describe the types of exceptions common to processes
- Describe what an Exception Handler Flow is
- Identify the different types of Exception Handler Flows
- Discuss how to use Exception Handler Flows

Integrating Database Components

- Access database tables, views, and stored procedures directly from your PBL code and integrate them into your process
- Expose tables for direct access
- Integrate embedded SQL statements with your PBL code
- Create SQL and SQL Query components
- Display database data in your business process application

Coding Dashboards

- Code a Dashboard with two dimensions of data
- Use different chart types in a dashboard
- Code a Drill-down Dashboard
- Work with server-side and client-side methods
- Combine several charts in a single dashboard
- Code a Dashboard with three dimensions of data

Nombre Oracle: BEA ALBPM 6.0 Programming 1: Essentials

Nombre Sence: BEA ALBPM 6.0 Programming 1: Essentials

Duración: 24 Horas

Código Sence: En tramite

Manuales de acuerdo al curso

Perfil Relator

- Especialista en Ciencias de la Informática y SW Oracle
- Certificación en los temas de la especialidad Oracle correspondiente a cada curso
- Experiencia en Consultoría