

BEA ALBPM 6.0 Programming 2: Integration

Lo que aprenderá:

This course builds on the ALBPM Programming 1 course, giving developers the core technical programming knowledge and skills needed to develop mission critical business processes using BEA's AquaLogic Interaction Business Process Management (ALBPM) product suite. This course builds on the ALBPM Programming 1 course by introducing deeper content on selected topics and covering details of how to integrate business processes with enterprise systems, web services and other components like databases, file systems, COM and .NET components. Developers learn additional details of the Notification/Wait activity and interprocess communication, allowing them to develop business processes that depend on actions from external systems. Finally, students learn exception handling techniques to use when integrating external components.

Prerequisitos

Prerequisitos Requeridos

- Experience with C#, Java or other Object Oriented programming language
- Web Programming technologies and issues (HTML, JavaScript)
- BEA ALBPM 6.0 Foundations
- BEA ALBPM 6.0 Programming 1: Essentials

Objetivos Del Curso:

- Develop code to integrate business processes with components like Databases, XML files, and web services
- Use Business Process Objects in integration code
- Develop complex Notification/Wait activity code
- Work with Interprocess Communication in activity code
- Use appropriate exception handling techniques in integration code
- Debug integration code

Temas Del Curso:

External Components Overview

- Define and explain the relationship between external components and external resources
- List and describe the types of external technologies you can integrate into process as external components
- Describe the benefits of using BPM Objects with external components

Integrating Java Components

- Describe the different types of packaged Java components available to you in Studio
- Catalog an external Java application to be used as a component in your process
- Describe the way Enterprise Java Beans can be integrated into your ALBPM application

Working with Database Components

- Wrap a database component in a BPM Object
- Explain how you would use the inherited methods of the SQLObject to process an update
- Describe the difference between server side and client side methods
- List several situations in which you might use the DynamicSQL component

Exception Handling and Compensation

- Handle exceptions within your method code
- Describe how to wrap a system exception in a user defined business exception
- List the components involved in compensation
- Explain how compensation works

Using the File I/O Components

- Identify the major Fuego I/O components
- Describe how to use the Fuego I/O components
- Describe some of the best practices around developing I/O functionality in a process

Integrating XML Components

- Describe two ways to read XML data
- Identify what an XSD file is
- Describe the two ways to use XML data in a process
- Describe how to introspect an XSD file
- Describe how to load XML data and later work with it
- Describe how to create an XML wrapper object

Integrating COM and .NET Components

- Describe how COM and .NET technologies are integrated into an ALBPM application
- Introspect a COM component and use it within an ALBPM process
- Introspect a .NET component and use it within an ALBPM process

Integrating Web Pages

- List some ways you can integrate external web pages into your ALBPM process
- Explain how BPM Objects are used to communicate with JSPs using BPM Object Interactive Calls
- Link JSP form fields to the attributes of a BPM Object through the use of special tag libraries

Notifying a Process

- Describe the different ways that Interprocess notification can occur
- Explain the purpose of the Notification Wait and the Process Notification activities
- Describe how to programmatically notify a process
- Explain how Notification with Interrupt works

Interprocess Communication

- Describe some of the different ways that Interprocess communication can be accomplished with an ALBPM process
- Explain the differences between PAPI, PAPI-WS, and WAPI
- Describe how a process can be exposed as a Web Service and be made available to other processes or applications

Nombre Oracle: BEA ALBPM 6.0 Programming 2: Integration

Nombre Sence: BEA ALBPM 6.0 Programming 2: Integration

Duración: 16 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

