SETC Training Corporate Logo

Java Training: Distributed Messaging Applications with JMS (JJMS, 4 jours)

Description

The course Distributed Messaging Applications with JMS (Java Training) focusses on the Java Messaging Services API (JMS). The training includes an introduction to JMS before moving to hands-on usage of the Java messaging API. Ordering, filtering, fault-tolerance, transaction and security are covered in details. The course wraps up with an integration of JMS with business processes.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

JMS Essentials

- The Need for High Availability
- JMS Architecture
- About JMS Integration with JEE Servers
- Messaging Models
- Connection Factories
- Connections
- Destinations
- Session
- Message Producers and Consumers
- Messages
- Distributed Messaging: A Typical Scenario

The BEA WebLogic JMS Provider

- JMS Servers Features and Capabilities
- Clustering
- Connection Routing
- Load Balancing
- FailOver
- Distributed Destinations

WebLogic JMS Configuration

- Connection Factories
- Templates
- Destination Keys
- Time to Deliver Extension
- Persistent Stores
- Other Configuration Options: Overrides, Quotas and Controls

JMS Application Design

- Destination Types
- Locating Destinations
- Message Types
- Dealing with Large Messages
- Message Acknowledgements
- Message Selectors

Message Expiration
Ordering and Filtering
Overview of Filtering
Filter Implementation in JMS
Overview of Ordering
Defining Message Delivery Order
Correlating Messages
Monitoring and Fault Tolerance
Subscriptions Defined
Implementing Durable Subscriptions
Persistence Defined
Implementing Persistence in JMS
Fault Tolerance: Message Re-Delivery and Poison Messages
Fault Tolerance: Guaranteed Delivery
Transactional Messages
Transaction Essentials
Architecture of JMS#39; Transactional Model
Why Use Transactional Messages
JMS Transaction Implementation
Optimal Transactions
JMS Security
Overview of JMS Security
JMS Security Architecture
Authentication
Authorization
Roles
Using Encryption: Java Encryption Extensions
Distributed Destinations
Clustering Overview
JMS Distributed Messaging Architecture
Building Bridges
Multicast Communications
Business Process Implementation
Business Processes
Overview of JMS Business Process Implementation
Designing a Business Process
Messages in a Business Process
Starting a Workflow
Consumer Interactions in a Workflow
Business Process Management