

Java EE 5 Platform /JavaBeans 3.0 -Expert-to-Engineer - Online Course

Duration: 0 Days

What you will learn

Get the latest information on the Java EE 5 Platform and Enterprise Java Beans 3.0 in this series of interviews with the experts.

Topics include: Java Persistence, Web Services, Web Tier and JSF, Java BluePrints for AJAX-Enabled Web 2.0 Applications, the Application Server 9 PE, and Tools.

Presenters include: Bill Shannon, a Distinguished Engineer at Sun Microsystems Ken Saks, the EJB Container Lead for the Java EE 5 platform and Sun Application Server 9 Linda DeMichiel, the Specification Lead for EJB 3.0 in the Java Community Process Roberto Chinnici, a senior staff engineer working on the Java EE 5 platform Rajiv Mordani, the specification lead for Common Annotations for the Java Platform and co-specification lead for JAX-WS 2.0 Dhiru Pandey, the lead for JSR-109 (Enterprise Web Services) and JSR-267 (JSP Tag Library for Web Services) Ed Burns, a Senior Staff Engineer and currently the co-spec lead for JavaServer Faces Jan Luehe, a Senior Staff Engineer who has been involved with the specification and implementation of web technologies Inderjeet Singh, a Senior Staff Engineer and architect for the Java BluePrints program Greg Murray, the Servlet specification lead Ludovic Champenois, a Senior Architect and one of the tech leads and architects on Sun's Application Server Jerome Dochez, the GlassFish architect and overall technical lead

Students that can benefit include:

* Java Developers interested in the latest updates on the Java EE 5 Platform and Enterprise JavaBeans 3.0.

Course Topics

Java EE 5 Overview - Bill Shannon

An overview of the Java EE 5 platform

The many improvements that make it easier to develop Java EE applications.

EJB 3 - Linda DeMichiel and Ken Saks

Simplifying the tasks of the Java EE application developer.

Improvements in the EJB 3.0 release

Making server-side components easier to use and in adding flexibility and power to the EJB programming model.

The role played by metadata annotations in these simplifications; and new features, such as interceptors.

Java Persistence - Linda DeMichiel

Key aspects of Java Persistence

Use of the EntityManager API, persistence units and persistence contexts

Object/relational mapping using Java metadata annotations, and extensions to EJB QL.

Web Services - Roberto Chinnici, Rajiv Mordani, and Dhiru Pandey

Java API for XML Web Services (JAX-WS) 2.0

Support for asynchronous clients; protocol and transport independence; messaging; and REST-style web services.
Support for document-oriented web services and the XML Schema standard with Java Architecture for XML Binding (JAXB)
Support for SOAP 1.2 and MTOM/XOP
Demos that highlight the new features of JSR-109/JAX-WS with the Netbeans IDE.

Web Tier and JSF - Ed Burns and Jan Luehe

New features in the Web Tier in Java EE 5.
Cohesion between the layers of web-tier: servlet, JSP, JSTL, and JSF
Code samples and demonstrations of new technologies, such as AJAX to showcase the effectiveness of the Java Web T

Java blueprints for AJAX-Enabled Web 2.0 Applications - Inderjeet Singh and Greg Murray

How the Java Platform, Enterprise Edition (Java EE) 5 technologies can be used to create next-generation Web 2.0 appli
Designing rich, interactive GUI's with Asynchronous JavaScript Technology and XML (AJAX)
Enabling features, such as mash-ups, tagging, and user participation
Patterns for using Java API for XML Web Services (JAX-WS) to design AJAX backends using REST-based web services

Java EE 5 SDK and Tools Support - Ludovic Champenois

An introduction to the GlassFish Project
NetBeans 5.5 IDE features
Deployment to GlassFish and Sun Application Server 9 Java EE 5 platform servers
Demo of annotations and Ease of Development features of the Java EE 5 platform spec
Demo of Java Persistence APIS (in standalone applications and Web Applications)
Demo of Web Services 2.0
Demo of GlassFish Server Integration in NetBeans 5.5