## Oracle Developer Day Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.00 am</td>
<td>SOA &amp; The Agile Enterprise</td>
</tr>
<tr>
<td>9:55 am</td>
<td>Developing Enterprise JavaBeans EJB 3.0</td>
</tr>
<tr>
<td>10:45 am</td>
<td>Developing Web Services</td>
</tr>
<tr>
<td>11:35 am</td>
<td>Integrating Services with BPEL</td>
</tr>
<tr>
<td>12.20 pm</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1.15 pm</td>
<td>Developing JavaServer Faces Applications</td>
</tr>
<tr>
<td>2.00 pm</td>
<td>Install Fest</td>
</tr>
<tr>
<td>2.30 pm</td>
<td>Hands-on Labs</td>
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</table>
“A service-oriented platform into which we can very easily plug both newly developed and existing IT systems, is a very attractive value proposition.”

Michael Herr, Senior Director of IT, Deutsche Post
“Our industry is very competitive. My team is constantly looking for ways to improve customer service, introduce new product offerings, and make an impact to the bottom-line.”

Serge Bauve, Manager, Belgacom

Today’s Challenges

- Changing Business Requirements
- Emerging Technologies
- Growing Complexity
User Interfaces
JavaServer Faces

Device
Render Kit

View
JSF/JSP

Controller
JSF/Struts

DEMONSTRATION
JavaServer Faces
Business Components
Enterprise JavaBeans 3.0

Device
- Renderer

View
- JSF/JSP

Controller
- JSF/Struts

Model
- EJB 3.0

EJB 2.1 Bean Class

```java
public interface Calculator extends EJBObject {
    int add (int a, int b) throws RemoteException;
    int subtract (int a, int b) throws RemoteException;
}
public interface CalculatorHome extends EJBHome {
    Calculator create() throws CreateException, RemoteException;
}
public class CalculatorBean implements SessionBean {
    private SessionContext ctx;
    public void setSessionContext(SessionContext s) {ctx = s;}
    public void ejbCreate() {}
    public void ejbActivate () {}  
    public void ejbPassivate () {}
    public void ejbRemove () {}
    public int add (int a, int b) {return a + b;}
    public int subtract (int a, int b) {return a - b;}
}
```
EJB 3.0 Bean Class

```java
@Stateless public class CalculatorBean implements Calculator {
    public int add (int a, int b) {return a + b;}
    public int subtract (int a, int b) {return a - b;}
}
public interface Calculator {
    int add (int a, int b);
    int subtract (int a, int b);
}
```

EJB 2.1 Deployment Descriptor

```
<session>
    <ejb-name>CalculatorEJB</ejb-name>
    <home>com.example.CalculatorHome</home>
    <remote>com.example.Calculator</remote>
    <ejb-class>com.example.CalculatorBean</ejb-class>
    <session-type>Stateless</session-type>
    <transaction-type>Container</transaction-type>
</session>
```
Service-Oriented Architecture

Integrate Services

Develop
Orchestrate
Secure
Change
Manage
Monitor

Publish Services

Framework
JSR 227

WSIF & JBI
In Memory
REST
JCA
COM+
SOAP

ORACLE
Integrate Services

Service-Oriented Architecture
Orchestrate Services

Order Entry

Credit Rating

United Loan

Fulfillment

Service Bus

Application Server

Star Loan

DEMONSTRATION

EJB and BPEL
Service-Oriented Architecture

Secure Services

- Federate Users
- Authorize Users
- Authenticate Users
- Manage Identities
- Provision Users
- LDAP
Monitor Services
Business Activity Monitoring

Service-Oriented Architecture
Change Services
Dynamic SOA

Develop
Monitor
Change

Management Policy
Monitoring Policy
Security Policy

JSF
EJB 3.0
BPEL

Common Metadata Repository

SOA Blueprint

Develop
Manage
Monitor
Collaborate

Common Metadata Repository

JSF
EJB 3.0
BPEL

Enterprise Service Bus
J2EE 1.4
WSIF & JBI

ORACLE
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