



SOA & The Agile Enterprise

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SOA Evangelist

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“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**

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“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

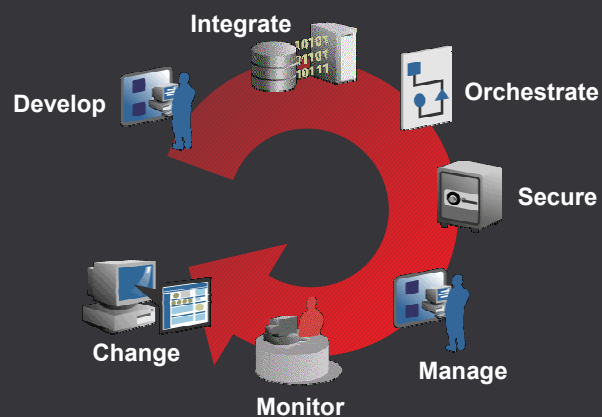
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Today's Challenges

- Changing Business Requirements
- Emerging Technologies
- Growing Complexity

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SOA – Blueprint For Success



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Service-Oriented Architecture



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User Interfaces

JavaServer Faces



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Oracle and JavaServer Faces

- Key contributor to JSF Expert Group
- Contribute components to Apache MyFaces
- Lead Eclipse JSF project
- JSF in JDeveloper and Oracle Application Server
- 100+ Faces components

Meet the Oracle JSF Experts

 Adam Winer - [JSF, a look from the inside - An interview with Adam Winer](#), Oracle representative to the JSF Expert Group.

 Chris Schalk - Principal Product Manager for JDeveloper introduces JSF in an Online Seminar: [Introduction to JSF](#)

 Jonas Jacobi - Principal Product Manager for JDeveloper [introduces ADF Faces](#) in an upcoming Online Seminar.

<http://www.oracle.com/technology/jsf>

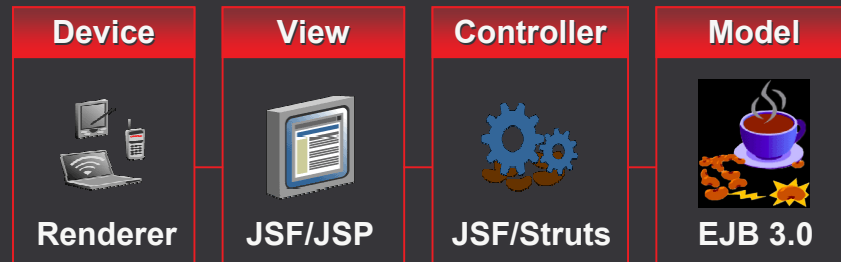
D E M O N S T R A T I O N

JavaServer Faces

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Business Logic

Enterprise JavaBeans 3.0



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EJB 2.1 Bean Class

```
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;}
}
```

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EJB 2.1 Bean Class

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public interface Calculator extends EJBObject {
    int add (int a, int b) throws RemoteException;
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    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;}
}
```

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EJB 3.0 Bean Class

```
@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);
}
```

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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>
...
```

EJB 3.0 Deployment Descriptor

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Oracle and EJB 3.0

- Expert in persistence through TopLink
- Co-Specification Lead for EJB 3.0
- TopLink Essentials Contributed to Glassfish as EJB 3.0 Persistence RI
- Lead Eclipse EJB 3.0 project
- EJB 3.0 in JDeveloper and Oracle Application Server

Meet the Oracle EJB Experts

 **Mike Keith** - EJB 3.0 Architect for Oracle, gives you an [overview of EJB 3.0](#) in this online seminar.

 **Debu Panda** - Principal Product Manager for the EJB 3.0 Server talks about [migrating from older EJB versions to 3.0](#)

 **Raghu Kodali** - Consulting Product Manager for JDeveloper, gives EJB 3.0 a spin to verify ease of use

<http://www.oracle.com/technology/ejb3>

Service-Oriented Architecture

Integrate Services



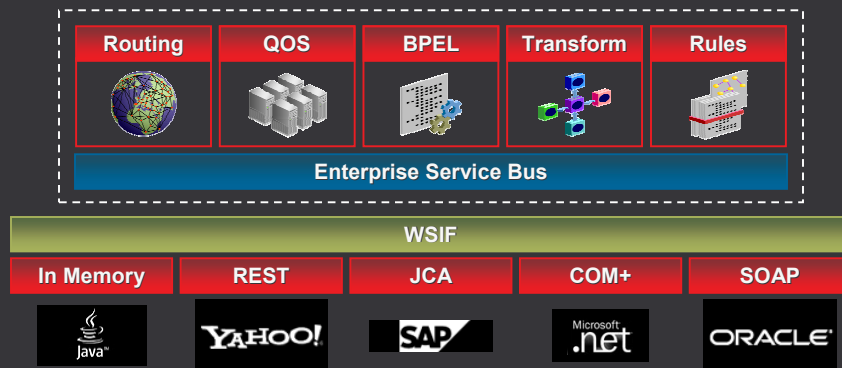
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Publish Services



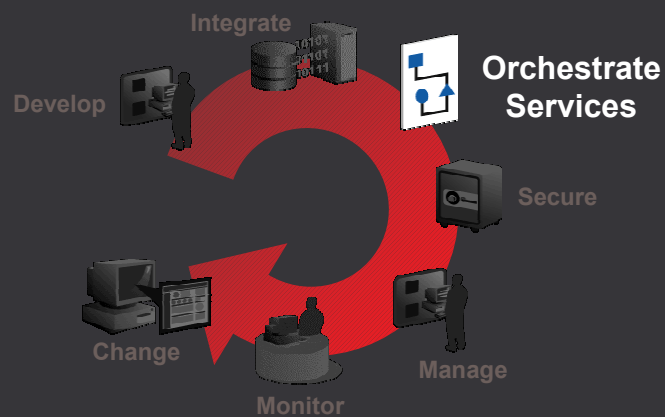
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Integrate Services



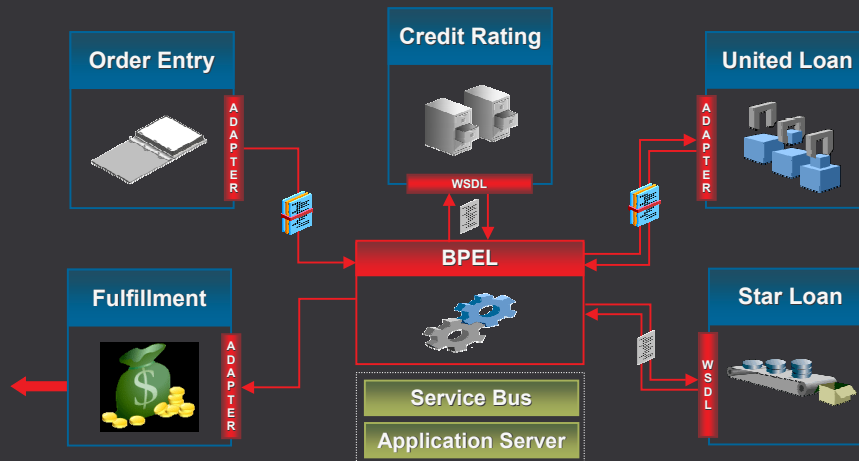
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Service-Oriented Architecture



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Orchestrate Services



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Oracle and BPEL

- Expert in BPEL through Collaxa acquisition
- Core contributor to BPEL4WS specification
- Co-Lead BPEL tooling project for Eclipse
- BPEL Support in Oracle JDeveloper and Oracle BPEL Process Manager

**Oracle BPEL Process Manager**
BPEL PROCESS MANAGER
BPEL is emerging as the standard for assembling a set of discrete services into an end-to-end process flow, radically reducing the cost and complexity of process integration initiatives.

Getting Started

- 2-Minute Product Tour
- BPEL: Learn by Example (PDF)

FREE DOWNLOAD
Download (v10.1.2)
Oracle BPEL Process Manager

Developer Support

- BPEL Tutorials
- BPEL Forum

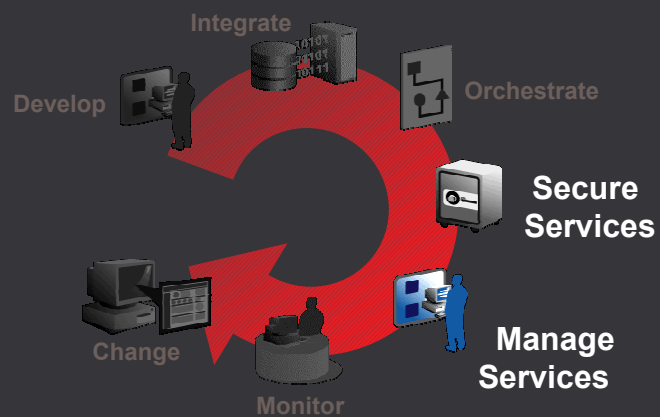
<http://www.oracle.com/technology/bpel>

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EJB and BPEL

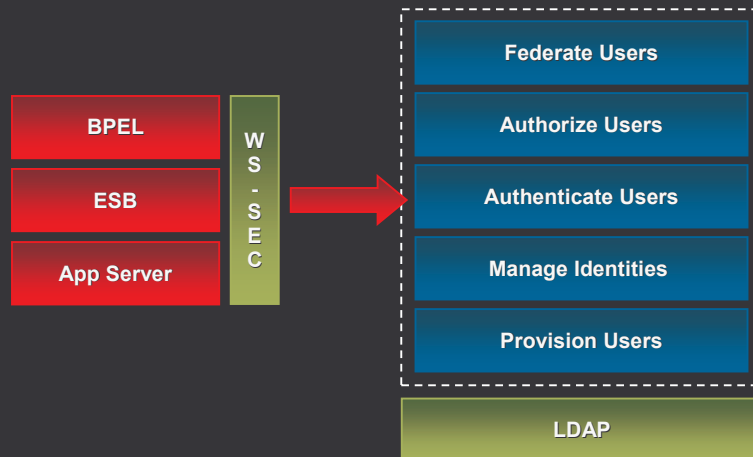
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Service-Oriented Architecture



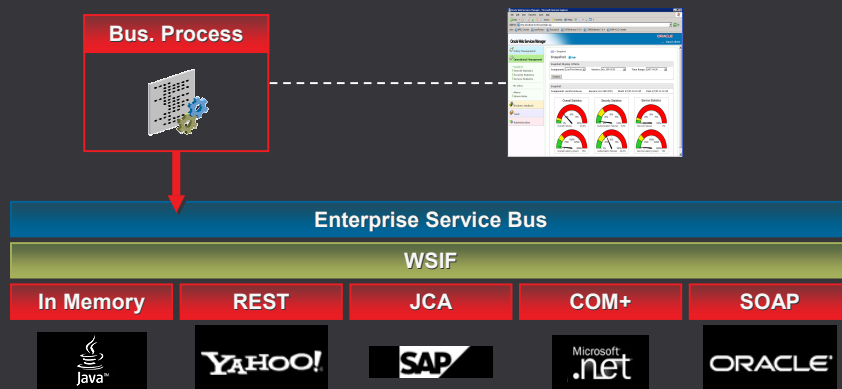
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Secure Services



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Manage Services



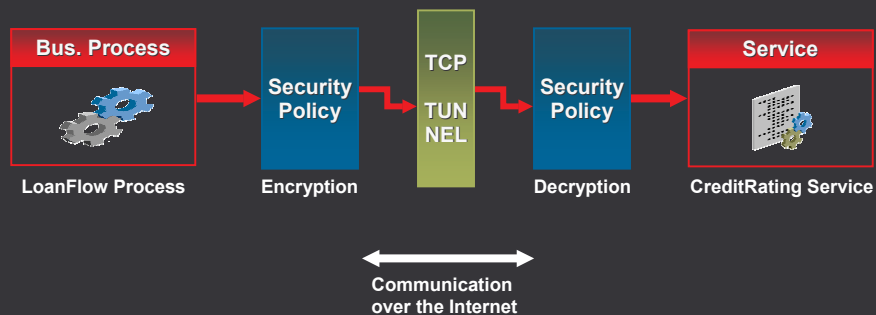
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Security and Management

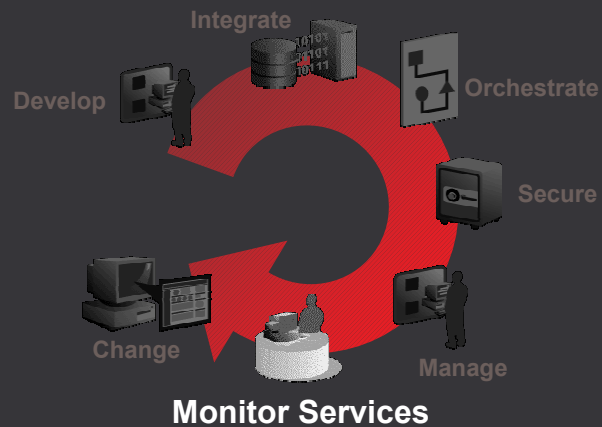
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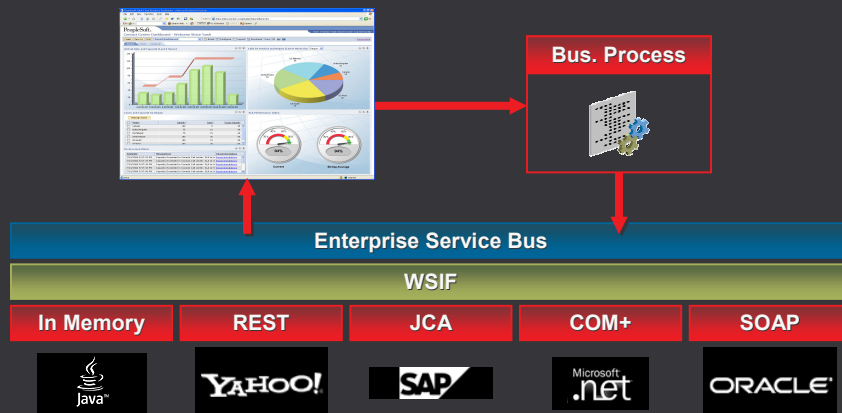
Service-Oriented Architecture



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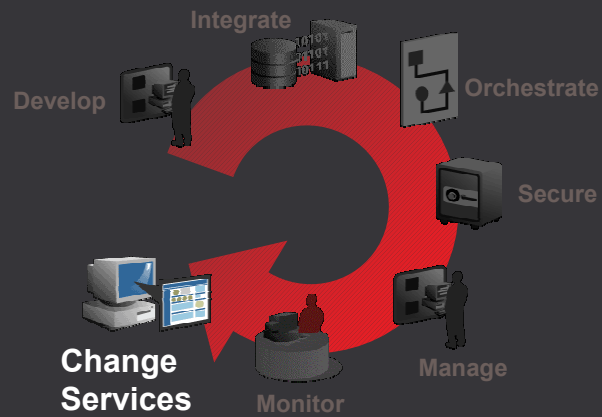
Monitor Services

Business Activity Monitoring



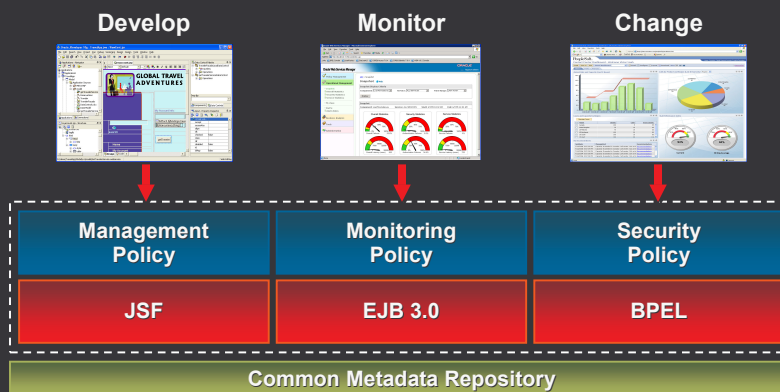
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Service-Oriented Architecture



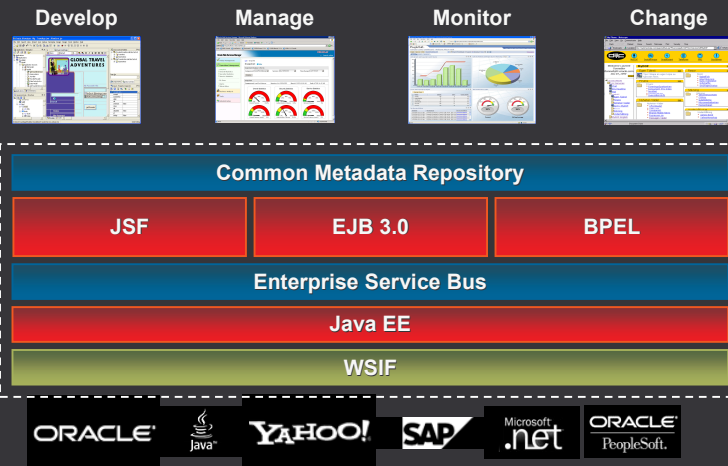
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Change Services Dynamic SOA



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SOA Blueprint

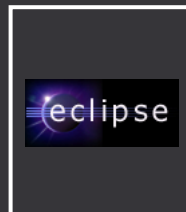


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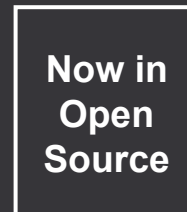
Community Contributions



Free!



EJB 3.0
JSF
BPEL



EJB 3.0
JSF
More...

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