Today’s Agenda - Morning

• 09:00 – 09:45 Session 1: The Strategy: From Client Server to SOA
• 09:45 – 09:55 Break
• 09:55 – 10:40 Session 2: Oracle Application Development Framework
• 10:40 – 10:45 Break
• 10:45 – 11:30 Session 3: Familiar Development Techniques and Styles
• 11:30 – 11:35 Break
• 11:35 – 12:20 Session 4: Adding Business Logic
• 12:20 – 13:15 Lunch

Today’s Agenda - Afternoon

• 13:15 - 14:00 Session 5: Focusing on the UI

Workshop 14.00 - 17.00

• 14:00 – 14:30 Install fest...
• 14:30 – 15:00 Planning the Application
• 15:00 – 15:30 Building the Business Components
• 15:30 – 16:00 Implementing Business Rules
• 16:00 – 16:30 Creating Pages
• 16:30 – 17:00 Adding Navigation and Enhancing the User Interface
Today’s Agenda – Morning
(Alternate Agenda)

- 09:00 – 09:45 Session 1: The Strategy: From Client Server to SOA
- 09:45 – 09:55 Break
- 09:55 – 10:40 Session 2: Oracle Application Development Framework
- 10:40 – 10:45 Break
- 10:45 – 11:30 Session 3: Familiar Techniques: Modeling and Frameworks
- 11:30 – 11:35 Break
- 11:35 – 12:05 HOS 1: Planning the Application
- 12:05 - 12.35 HOS 2: Building the Business Components

Today’s Agenda – Afternoon
(Alternate Agenda)

- 12:35 – 13:30 Lunch
- 13:30 - 14:15 Session 4: Adding Business Logic
- 14.15 - 14.30 Break
- 14:30 – 15:00 HOS 3: Implementing Business Rules
- 15.00 - 15.45 Session 5: Focusing on the UI
- 15.45 - 16.00 Break
- 16:00 – 16:30 HOS 4: Creating Pages
- 16:30 – 17:00 HOS 5: Adding Navigation and Enhancing the User Interface
Session 1
The Strategy
From Client Server to SOA

Speaker
Speaker Title

Agenda

• Positioning Oracle Forms today
• An introduction to SOA
• A roadmap for Oracle Tools
  – Oracle Forms
  – Oracle Designer
• Development Tools Strategy
• Case studies
• More information

Oracle Developer Day

Page 4
Common Questions....

“I've heard Forms is going away, is that true?”

“I am using Forms Client/Server today, what is my path forward?”

“Is Oracle providing a path to J2EE for Forms developers?”

“I am going to J2EE, what should I do with my Forms?”

Oracle Forms Today

- Very active customer base
- 7,000+ OTN downloads/month
- 4,000+ postings/month on OTN forum
- Many customer references
- Oracle E-Business Suite
- Forms Upgrade Developer Days
Applications Evolving With Oracle Forms

What’s Next?
Applications Integration

Customer accessing order status
Warehouse uses wireless devices

Customer advisors using Forms Application

Courier firm provide order shipping info via a Web service

Page 6
SOA Defined

**Service Oriented Architecture** is an architectural style whose goal is to achieve loose coupling among interacting software agents. A service is a unit of work done by a service provider to achieve desired end results for a service consumer.

*Dr. Hao He, W3C Web Services Architecture Working Group*

- Collection of Services that communicate with each other
- Simple data passing
- Activity coordination

*Dr. Hao He, W3C Web Services Architecture Working Group*
What about SOA in a Forms World?

- Avoid developing monolith applications
- Maximize reuse by building services independent of:
  - Application
  - UI
  - Technology consuming the service
- Simplify development by allowing:
  - Developers to build applications by wiring services together
- Make development more effective by allowing:
  - Some developers to work on building services
  - Some developers to work on consuming these services

Best Practice SOA

*Presentation Layer*
- JSP
- JSF
- Controller
- View

*Process Layer*

*Service Layer*
- Data Binding
- Interface (WSDL)

*Business Layer*
- Business Component
- EJB
- Java Classes

*Persistence Layer*
Why SOA?

- Develop new applications that are integratable
- Unlock existing application investments
- Build applications from existing applications

Understanding the SOA Lifecycle
From Client/Server to SOA

- Allow Forms Applications to be part of SOA
  - Upgrade
  - Integrate
- Allow Forms Developers to reuse their skills when developing new services
  - Visual and Declarative J2EE Development
  - JDeveloper and ADF
  - Familiar environment for Forms developers

Roadmap for Forms Applications

Upgrade & Integrate
Roadmap for Forms Applications

**UPGRADE**
- To web based deployment
- To the latest release of the product

**Why?**
- Centralized deployment
- Ease of maintenance
- No training for end-users
- Interoperate with other applications
- Supported Environment

**Example: Oracle E-Business Suite**
- Moved to the web in 2000
- Upgrading now to the latest Forms release

---

Roadmap for Forms Applications

**INTEGRATE**
- Forms and J2EE applications
- Single Application Server
- Share business logic and common services

**Why?**
- Don’t live in isolation anymore
- One infrastructure for all applications
- Seamless integration for the end user
- Leverage your existing investment

**Example: E-Business Suite**
- Mixed environment: Forms & J2EE
- Interoperate and share business logic
Upgrade and Integrate

Oracle Application Server

Forms

J2EE

Common Security

Common Business Logic

Common Administration

Oracle Forms Roadmap

Focus Areas

- Application Server Integration
  - OC4J
  - Single Sign-on
  - LDAP
  - Enterprise Manager
  - Other components (Reports, Graphics, Portal,...)
Oracle Forms Roadmap
Focus Areas

• Applications Interoperability
  – Ability to call out to Java (Java Importer)
    • Web Services
    • BPEL (Oracle magazine March 2005)
  – JVM Pooling
  – Support for Sun Java Plug-in 1.4
  – Java Script API

Oracle Forms Roadmap
Focus Areas

• Ease of Upgrade
  – To the web
    • Webutil
    • Tuning Utility
  – From one version to another
    • Limit the Forms recompilation
    • Forms Migration Assistant
Oracle Development Tools Strategy

From Client/Server To SOA

Oracle Development Tools Strategy

- Make J2EE development accessible to Forms & Designer developers
  - Visual
  - Declarative
  - Productive
- Provide a migration of the skills
- Allow to reuse existing investments
- Certify partners for Forms migration solutions
JDeveloper 10g and Oracle ADF

- Simplify J2EE Development
  - Visual and declarative
  - As productive as Forms
  - One tool for Java, XML, Web Services, SQL, PL/SQL

JDeveloper 10g and Oracle ADF

- Implement Best Practices
  - Oracle Application Development Framework
  - Open, Standard
  - Focus on the application, not the “plumbing”
JDeveloper 10g and Oracle ADF

- Productivity with Choice
  - Choice of technology
  - Choice of development style
  - Choice of deployment platform
- Customer proven
  - 3,000+ developers in the E-Business Suite Development
  - Many customers in production, many coming from Forms

Case Study
CMiC

- Financial Application, Hundreds of Forms
- Upgrade and Integrate
  - Upgraded to the web
  - Integrated with J2EE application
  - Integrated with the Application Server (Portal, SSO)
- Use Forms skills for J2EE development
  - J2EE Applications developed with JDeveloper and ADF
  - Easy transition for Forms Developers
  - Significant productivity gains

Oracle Magazine February 2005
Integrating Designer & JDeveloper

- Designer ADF Business Components Generator
  - Maximizes the re-use of existing metadata content
    - Designer has a content rich repository
    - Table definitions include UI details
- Import table definitions from Designer into JDeveloper for schema design and generation
- Provide a framework for customers to migrate metadata from Designer to JDeveloper (to come)
- JHeadstart includes a bridge from Designer to enable
  - Generation of ADF applications out of Designer
  - Migrate Forms to J2EE/ADF
- Build your own extensions

Modeling with JDeveloper

- Pure UML diagrams
  - Activity, Use Case, Sequence, Class
- Other diagramming
  - Database, Business Components
Development Tools Strategy

- Long Term Commitment to Oracle Forms
  - For existing and new applications
  - Upgrade and Integrate
- Bring Forms productivity to J2EE development
  - Visual, Declarative
  - Leverage your Forms skills

Additional Information

- Otn.oracle.com/products/forms
  - Tools Statement of Direction
  - Java Migration Statement of Direction
  - Forms Upgrade center
- Otn.oracle.com/formsdesignerj2ee
  - Focus site for J2EE development for Forms and Designer developers
- Otn.oracle.com/products/jdev
  - JDeveloper and ADF resources
Summary

- Oracle Forms and Designer still widely used today
- SOA is an accessible strategy for all
  - Maximize reuse
  - Simplify development
  - Develop applications by wiring services together
  - Effective development: Some developers build services, others consume them.
- The message: Upgrade and Integrate
- J2EE development accessible to all developers
  - Provide a migration of the skills
  - Allow to reuse existing investments