

Run Oracle Forms Business Process from Any UI

Integrate, Go Mobile, SOA or BPM



Mia Urman
CEO, OraPlayer
miaurman@oraplayer.com

Agenda

- **Where are we?**
- **Future of Forms**
- **Where do we need to go?**
- **What is OraPlayer?**
 - Integrate Forms to Any Technology - DEMO
 - Enable Forms as Services
 - Forms Business Logic to Mobile – DEMO
- **Next Steps**



Where Are We ?



- We have a HUGE Forms investment
- Mission critical, complex systems
- VERY productive development with trained developers
- System has been around and stable for over 10 years
- Complex, undocumented, low maintenance system
- We want to leverage our existing investment
- Costs too much / not in our roadmap to migrate/redev.



Forms Isn't Dead It Just Smells Funny

Francois Degrelle, on www.oracleformsinfo.com

The Future of Forms is ...

“Oracle has no plan to discontinue support of Oracle Forms.”

“...allows customers to continue to leverage their existing investments for many years while offering a path to incrementally move to Java EE, at their own pace.”

Oracle Application Development Tools SOD , March 2012

<http://www.oracle.com/technetwork/issue-archive/2010/toolssod-3-129969.pdf>

“Oracle Forms remains a viable and valuable technology asset for mainstream IT strategies, but has limited scope in next-generation”

Gartner: Modernization and Migration Strategies for Oracle Forms Nov. 2011

<http://www.gartner.com/technology/reprints.do?id=1-198LN9P&ct=120208&st=sb>



Where Do We Need To Go?

- **Exploit New Opportunities**
 - SAAS, Service Based Models, Mobile / Tablet Platforms
- **Modernization of Legacy Systems**
 - 21st century usability, UI
- **Increase System Agility**
 - Centralize Business Services
- **Reuse of Development Resources**
 - Share Services Across Technologies
- **Reduce Technology Landscape Complexity**



What is OraPlayer ?

OraPlayer *wraps Forms systems to run with advanced interfaces in modern environments*



OraPlayer - How We Do It?



Step 1 - RECORD

- Recording Forms business scenario using OraPlayer toolbar
- Choose Input / Output parameters



Step 2 – PUBLISH to WEB or API

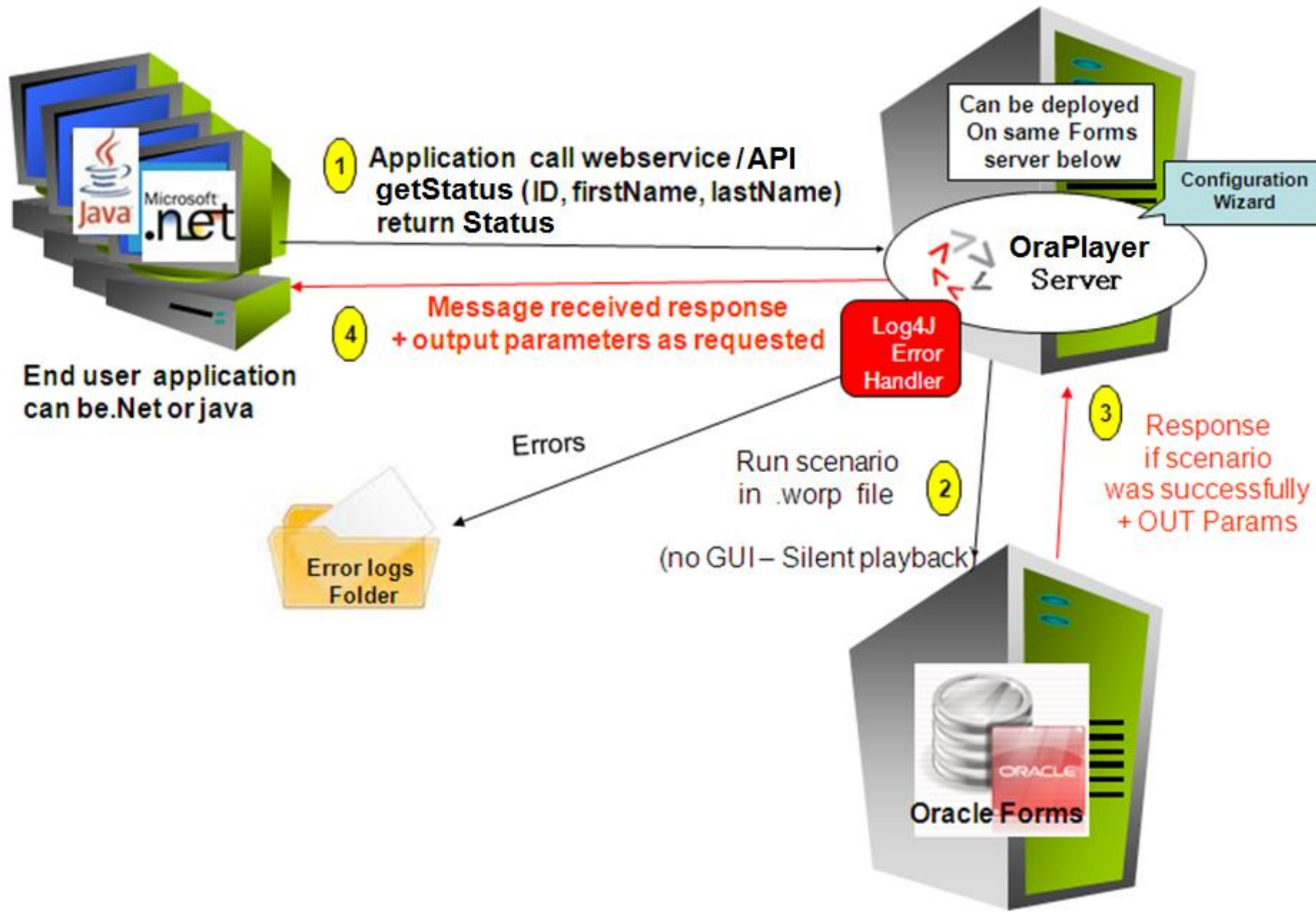
- Edit Data Parameters
- Define Application Defaults
- Save and Deploy Scenario



Step 3 – DEVELOP or PLAYBACK

- Create UI in ANY Technology
- Playback on ANY platform (Mobile Wizard)
- UI Independent

Architecture - Playback



Components of the Solution

- OraPlayer Recording Toolbar
- Orp File – Scenario definition file
- OraPlayer Deployment Wizards
 - Web Application Wizard
 - Webservice Java Wrapper Wizard
- OraPlayer Server – Runs scenarios.



A New Approach Forms Business Logic to Mobile

Consideration For Going Mobile

- What business logic / processes do we need to expose ? Data to expose
- What platforms do we need to deploy to?
- What is the size of the screen
- Where does the business logic sit today? How easy / possible is it to expose this business logic?
- What is the timeline? Budget?



Step 1: Record Forms Scenario

OraPlayer Toolbar

The screenshot displays the OraPlayer interface. On the left is a vertical toolbar with buttons for Record, Edit, Simulator, Settings, and Help. The main window shows a 'Record Scenario' dialog box with the following details:

- Record Scenario**
- ☒ Record as a Web Service
- URL: `http://sachar-test1.customers.jer/forms/firmservlet?c`
- Recording will start automatically
- Start** button

Below the dialog is the **Recording Toolbar** with buttons for Record, Stop, Clear, and Exit. The background shows a web form with various input fields and buttons.

An **Edit Parameters** dialog box is open in the foreground, displaying a table of recorded parameters:

Dynamic	Window Title	Action	Field Name	Label	Recorded Value	Value	Alias
☒	עדכון עובדים	SetValue	CTRL_NBT_ID_I	מספר זרות	48819		CTRL_NBT_ID
☒	עדכון עובדים	Set Focus	ACTION_BUTTON	רכון פרטי עובד		null	ACTION_BUTTON
☒		Set Focus	INPUT_PERSON	Value 3	48819		INPUT_PERSON
☒		Set Focus	CTRL_LOV_OFF	מ/ש...		null	CTRL_LOV_OFF
☒		Set Focus	CTRL_NBT_ID_I	תעודת זרות	48819		CTRL_NBT_ID
☒	עדכון פרטי עובד	Set Focus	CTRL_NBT_OFF		1990		CTRL_NBT_OFF
☒	עדכון פרטי עובד	Set Focus	LEFT_TOOL_BUTTON	כספיים לעובד		null	LEFT_TOOL_BUTTON

At the bottom of the Edit Parameters dialog are buttons for View hidden parameters, Print, Save As, Save, Defaults, and Close.

Step 2: Define Application and Deploy

Deployment Wizard

Bean Attributes From .orp File x

localhost:8080/OraPlayerADFPluginCraetor/MacroFileHandler

ORAPLAYER OraSoa Deployer

Page data

General data

Form URL:

Direction:

Page title:

Table Name:

Button Label:

Background Color:

Logo Path: No file chosen

Header\Footer data

Header Text:

Header font Color:

Header Background Color:

Footer Text:

Footer font Color:

Footer Background Color:

Request Page

Visible	Name	Recorded Label	Label	Default Value
☒	MAIN_USERNAME_0	User name	User name	MIA
☒	MAIN_PASSWORD_0	Password	Password	ORACLE
☒	REQ_REQUESTS_REQ_ID_0	Request ID	Request ID	732

Response Page

Visible	Name	Recorded Label	Label	Recorded Value
---------	------	----------------	-------	----------------

start Java - http... OraSoaDepl... C:\Oracle\I... OraPlayerR... public_html Bean Attribu... Clipboard01 ... EN 19:06

Step 3: Run Generated App



Scenario Can Be Deployed To :

- > Mobile
- > Notebook / iPad
- > Web Browser
- > ADF
- > Java
- > .Net

We DO NOT run Forms on the mobile We run your BUSINESS on the mobile





Demo Time
Let's See it LIVE



Integrate Forms to ANY Technology
Enable SOA / Services

Integration Needs

- **Living Side By Side - Co-Habitation**
 - Running Forms Business Logic from external applications
- **Visual / UI Integration**
 - Integrating Oracle Forms and Other Technologies Into One Visual Platform
- **Process / Service Integration**
 - Running Forms workflows as API or Webservice

OraPlayer Integration / SOA Features

- Wraps Forms scenarios (macros) in Java APIs / Webservice
- Runs a business process not a forms screen – SOA
- Provides framework for visual integration and automation
- Separates Forms UI from Logic - Facilitates phased migration
- Runs Native business logic silently on the forms server
- Develop, test and maintain one core system.

www.oraplayer.com

Forms ADF Data Control

The screenshot displays the Oracle JDeveloper 11g Release 2 IDE. The main window shows a JSP page titled 'untitled1.jsp' with a form containing three input fields: 'output_Name', 'output_Status', and 'output_Priority'. The 'RunService' button is visible. The 'Component Palette' on the right shows various ADF Faces components. The 'Data Controls' section on the left shows a tree of data controls under the 'handson' data control. The 'Bind to ADF Control' dialog is open, showing a tree of data controls under 'handson'. The 'Id' field in the 'Common' section is set to 'plam3'. The 'Label' field is set to '#{bindings.output_Priority.hin...'. The 'ShowRequired' field is set to '<default> (false)'. The 'Appearance' section is also visible.

Oracle JDeveloper 11g Release 2 - TestOraPlayer.jws : ViewController.jsp

File Edit View Application Refactor Search Navigate Build Run Versigning Tools Window Help

Application Navigator x TestOraPlayer Overview x handson.java x DataControls.dcx x untitled1.jsp x

TestOraPlayer

Projects

- Model
- ViewController

Application Resources

- Connections
- Descriptors
- Maven POMs

Data Controls

- handson
 - Constructors
 - output_MafNotes
 - output_Status
 - output_Priority
 - output_FinalNotes
 - output_Comments
 - input_RequestID
 - output_DBANotes
 - output_Telephone
 - input_Name
 - output_Name
 - input_Password

Design Source Bindings Preview History

Running: IntegratedWebLogicServer - Log x

<21:51:13 EST 13/05/2012> <Warning> <Management> <BEA-1...>
Disconnected from weblogic server: DefaultServer

Exiting WebLogic Scripting Tool.

Recently Opened Files

- Delete handson.jsp
- No usages found - Delete untitled1.jsp
- Delete handson.jsp
- Running: IntegratedWebLogicServer

Web Editing

start Oracle JDeveloper 11... OPDemo EN 11:06



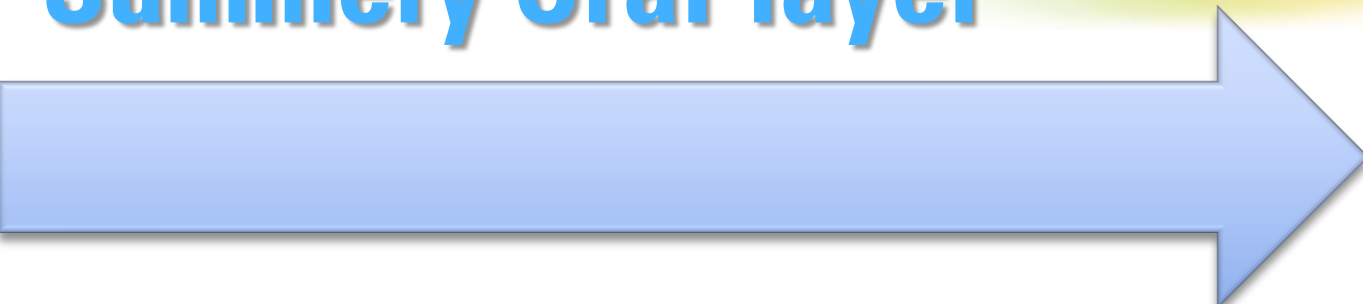
Demo Time
Let's See it LIVE

Demo: Running Forms From ADF

- **Step 1:** Uniquely record Forms scenarios (macros) using the OraPlayer toolbar
- **Step 2:** Convert the scenario to a Java API (OP API) using the OraPlayer API Generator
- **Step 3:** In your ADF application use the data control created from the OraPlayer API
 - Set data parameter values in the Form
 - Run the Forms business processes
 - Get data values returned from the Form
- **Step 4:** Run the ADF application to see Native Forms business logic running from your ADF system



Summery OraPlayer



**NO
Migration
Required**

- Wraps Forms business logic as service – UI Independent
- Runs Forms as a process not as only as a screen
- Runs Forms from any UI - ADF/Java/APEX/.Net/script
- Runs Forms without applet silently on Forms server – Native
- Supports Oracle Forms 9i, 10g, 11g
- Get modernized systems without redevelopment/migration/QA

Want to See More?

TODAY:

19:00-21:00 **Hands-On**

Create HTML, ADF and Mobile UI's for an existing Forms business processes.

***** On-Site Trial *****

Want to run OraPlayer on YOUR SYSTEM?

Ask me how or Contact us info@oraplayer.com



Questions?

Mia Urman

Miaurman@OraPlayer.com

More Information

Mia Urman (Me 😊)

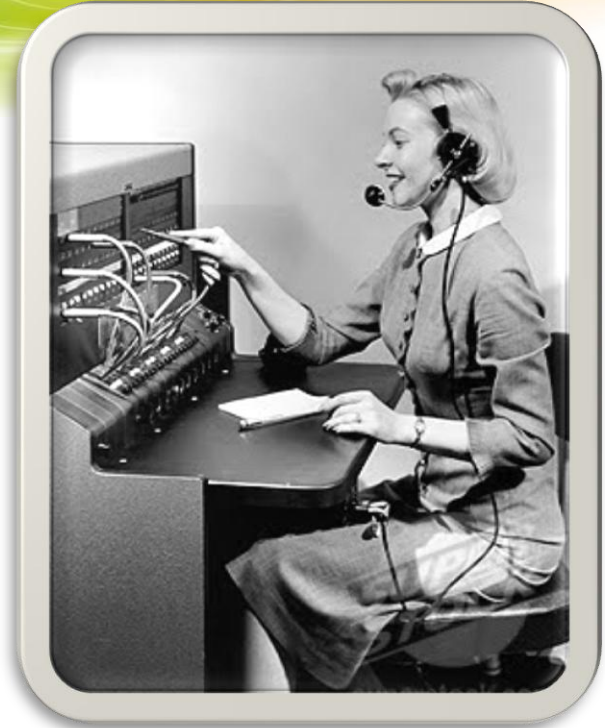
miaurman@oraplayer.com

Forms Community Blog

www.oracleformsinfo.com

OraPlayer

www.OraPlayer.com



MasterCard Uses OraPlayer to Provide Superior Customer Service

http://oraplayer.com/PR/Success_Isracard.pdf

Demos

<http://www.youtube.com/user/adminoraplayer?>

