

Rich Enterprise Applications

Powered by Oracle Application
Development Framework
(Oracle ADF)



ORACLE[®]

Rich Web UI made simple – an ADF Faces Overview

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Agenda

- • Comparison: New vs. Old
- JDeveloper Provides
- JSF Overview
- ADF Faces Rich Client Components
 - Layout Components
 - Common Components
 - Operation Components
 - DVT Components
- OEPE

Your Users are Using These at Home:

YAHOO! MAIL Hi, shay Sign Out My Yahoo! Mail Cl... Search the Web...

Check Mail New Search Mail... Go

Fly to Orlando from \$39

Inbox (5582) Drafts Sent Spam (156) Empty Trash (1) Empty Contacts Add

Netflix Only \$4.99/mo. 3 Credit Scores? View Yours: \$0 Free Phones

Home Inbox 5865 mes Mobile

Delete Reply Forward Spam

From	Subject
Threadless Newsletter	Two c...
KFOG Radio	Fogh...
Zagat Buzz	Seer...
Brainstormer	O'Nei...
Knowledge Services	BEA/...
Insound	New I...
Kyle Filson Keller	Kyle...

Two classic reprints! Plus \$3 off ... Threadless Newsletter <newslett...

TODAY: THU, 8/13 - SU

Print Send Link

Traffic More... Map Satellite Terrain

Address: 1835 Roosevelt Ave Redwood City, CA 94061

Street view

Get directions - Search nearby Zoom here - Save to My Maps - Send Edit

Google Analytics Settings

©2009 Google, Map data ©2009 Tele Atlas

Dashboard

- Saved Reports
- Visitors
- Traffic Sources
- Content
- Goals
- Custom Reporting **Beta**
- Settings



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How Do Your Applications Look?

The image displays three screenshots of enterprise applications. The top-left screenshot shows the Oracle Integration Repository interface with a tree view on the left and a central pane. The top-right screenshot shows the PeopleSoft Student Recruiting dashboard with a menu on the left and a main content area with various task cards. The bottom screenshot shows the Oracle Developer Forms Runtime - Web interface, featuring a table with employee data and a floating 'JForms options' dialog box.

Empno	Ename	Job	Sal	Mgr	Hiredate
7369	SMITH	CLERK	800	7902	17/11/1980
7499	ALLEN	SALESMAN	1600	7698	20/02/1981
7521	WARD	SALESMAN	1250	7698	22/02/1981
7566	JONES	MANAGER	2975	7839	02/04/1981
7654	MARTIN	SALESMAN	1250	7698	28/09/1981
7698	BLAKE	MANAGER	2850	7839	01/05/1981
7782	CLARK	MANAGER	2450	7839	09/06/1981
7788	SCOTT	ANALYST	3000	7566	09/12/1982
7839	KING	PRESIDENT	5000		17/11/1980
7844	TURNER	SALESMAN	1500	7698	08/09/1981

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What's The Difference?

- Better Looking UI
- Better User Interaction
- Better Feedback
- Better Data Visualization
- Better Process Flow

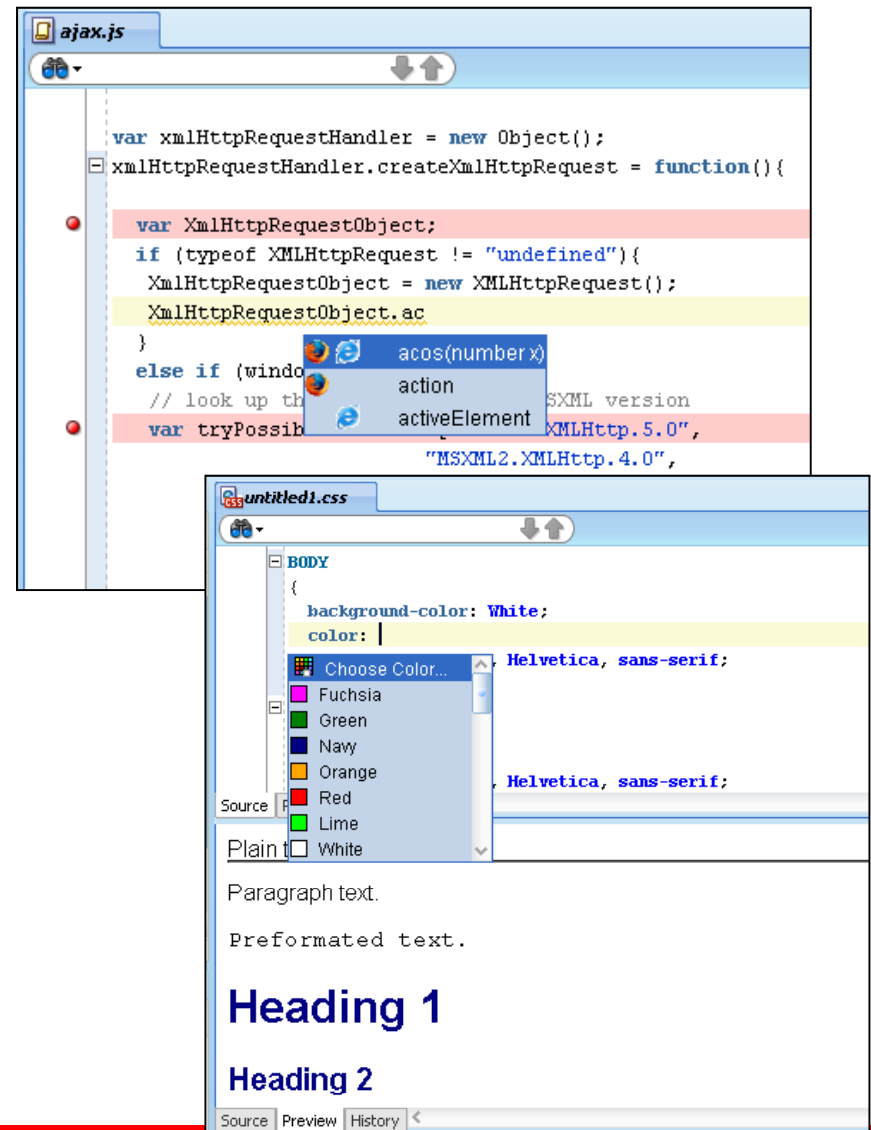


How Does It Work?

- AJAX
 - asynchronous JavaScript and XML
 - DOM
 - XHTML
 - CSS
 - XML/XSLT
 - XMLHttpRequest
 - JavaScript
- Maybe some Flash

We Have The Tools

- Oracle JDeveloper includes:
 - Visual HTML layout editor
 - JavaScript editor
 - Code insight
 - Refactoring
 - JavaScript Debugger
 - CSS editor
 - Preview tab
 - HTTP Monitor





But The Challenge

- Thousands of developers
- Most don't know Ajax technologies
- Most come from 4GL background
- Expecting a visual and declarative approach
- Don't have time to learn all the new Ajax technologies
- Need to focus on their specific application needs



THERE MUST BE A SIMPLER WAY...

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A Simpler Approach JSF and ADF Faces Components



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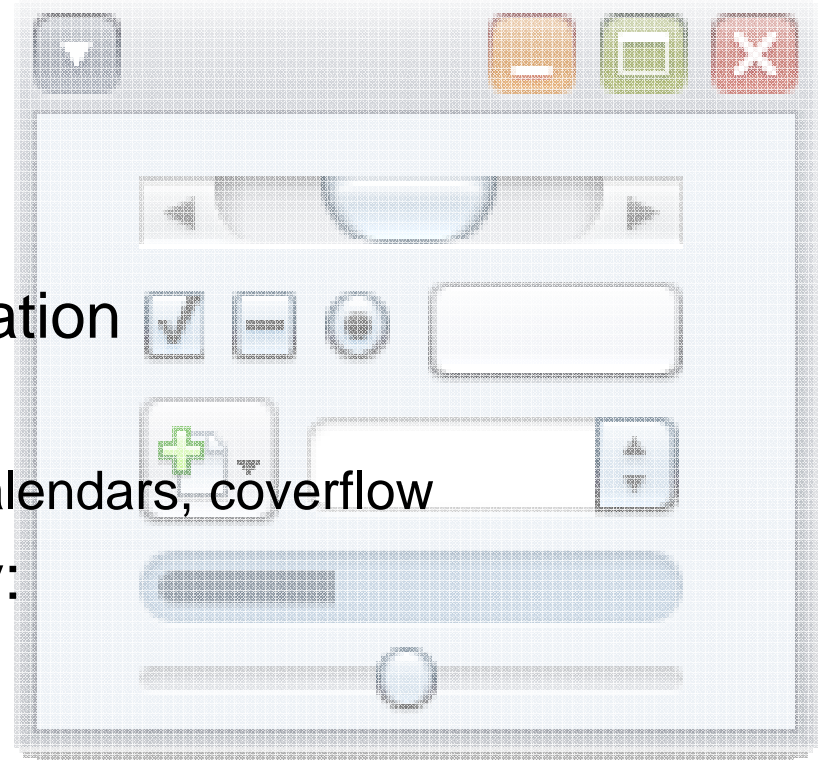


JSF In 60 Seconds

- Simplifying Web Development
 - Server side UI generation
 - **Component based** not mark-up
 - Automatic event and state handling
 - Diverse client base not just HTML
 - Designed with tooling in mind
 - Applicable to wide spectrum of programmer types
- A Java EE standard

ADF Faces Rich Client Components

- Over 150 components
- Ajax enabled
- Pluggable look and feel
- Accessibility & internationalization
- The usual components plus:
 - Charts, gantt, geo-map, pivot, calendars, coverflow
- Built in advanced functionality:
 - Drag and drop framework
 - Dialog and pop-up framework
 - “Active Data” - Dashboards / push updates (comet)
 - Templating and declarative components



Fusion Applications

HCM

This screenshot shows the Oracle Fusion HCM interface with a list of employee profiles. The profiles displayed are:

- Terry Lucca**, Sr. Accounting Manager, Corporate Accounting. Contact information: terry.lucca@vision.com, 352 555 3855, 647 555 4924.
- Anna Pascal**, Accounting Manager, Corporate Accounting. Contact information: anna.pascal@vision.com, 893 555 2028, 612 555 5980.
- Stella Hahn**, Technical Writer, Corporate Accounting. Contact information: stella.hahn@vision.com, 709 555 1539, 732 555 5589.
- Jason Blake**, Accounting Manager, Corporate Accounting. Contact information: jason.blake@vision.com, 293 555 2282, 487 555 8025.

The interface includes a navigation menu on the left with options like Search People, Hierarchy, and Details. The top navigation bar shows the user is logged in as Terry Lucca.

This screenshot shows the Oracle Fusion HCM interface displaying detailed information for Pat Miller. The details include:

- Personal Information:** E-Mail Address: pat.miller@vision.com, Supervisor: Anna Pascal, Location: San Francisco, CA, Work Country: US, Job: Accountant, Time: 15:27:58 PST.
- Employment Details:** Hire Date: 15-Mar-2000, Assignment Number: 8143152, Worker Number: 8143152, Office: San Francisco, CA, Working Hours: 42.5 / Week, Normal Start Time: 08:30, Normal Finish Time: 17:00.
- Salary History:** A bar chart showing Comparatio (left axis, 0.0 to 1.4) and Salary (right axis, 0K to 63K) from 3/15/00 to 3/1/05. The chart shows a general upward trend in salary over time.
- Performance v. Potential:** A 2x2 matrix with Potential (High, Medium, Low) on the y-axis and Performance (Meets, Exceeds, Outstanding) on the x-axis. Pat Miller's latest evaluation is in the High Potential/Exceeds Performance quadrant.
- Suitability:** A radar chart for the role of Accountant, comparing Pat Miller's performance against Minimum and Maximum levels across various competencies: Leadership, Teamwork, Creativity, Customer Service, Communication, Measurement, Motivation, and Peer Support.

The interface includes a navigation menu on the left with options like Search People, Hierarchy, and Details. The top navigation bar shows the user is logged in as Terry Lucca.

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Fusion Applications Projects

ORACLE Personalization Administration Help Logout Amy Marlin

Home Navigator Recent Items Favorites Tags Watchlist

Project List Manage Project Performance

Project View: My Projects

Name	Number	Overall Health	Project Status
Bear S. Financials Implementation	ADC	Active	Active
T&I Monitor Inc. Upgrade	TMI01	Active	Active
CRM Implementation for H&A	CRM	Active	Active
Seven Seas Financials Upgrade	SS-01	Active	Active
Seaport HR Implementation	Seaport HR-01	Active	Active
Kilowatt Saving Inc. Provisioning	KS-02	Active	Active
Little Giants Billing Optimization	LG-01	Active	Active
Marella Walker Inc. Proof of Concept	MWI-01	Active	Active
Credic Performance Data Warehouse	CPD01	Active	Active
AK Dossan Shared Project	DHL - 1	Approved	Active
Grey Stone Global Testing	Global Solution	Active	Active

Project Comparison: Nonbillable Cost

Amount in US Dollars

Project Number

Key Performance Area History

Score

Generation Date

Notes

Amy Marlin 25-Jan-2008
We are missing timecards in the system, which is the reason for this exception.

Amy Marlin 16-Nov-2007
First 2 weeks of project progress on track.

Amy Marlin 03-Dec-2007
Project cost on target, but I am worried when the hardware costs will come through AP.

Amy Marlin 10-Dec-2007
Began the development phase without any problem. Costs continue to be less than budgeted because we used less.

Amy Marlin 03-Jan-2008
Still waiting for the hardware costs to hit. Development tasks still on track for completion by end of January.

ORACLE Personalization Administration Help Logout Amy Marlin

Home Navigator Recent Items Favorites Tags Watchlist

Project List Manage Project Performance

Project CRM Implementation for H&A (CRM)

Key Performance Area Analysis

Overall Health: ▲ KPI Generation Date: Jan 15, 2008 5:37 PM

Financial Quality

Financial Score: 60

Key Performance Indicator Watchlist

Key Performance Indicator Name	Status	Current KPI Value	Target
Inception To Date Nonbillable Cost %	▲	52.56	63
Inception To Date Margin % Variance	▲	39.024	71.92
Period To Date Margin %	▲	-18.89	-90.77
Period To Date Cost Variance	▲	21,656.2	-5,000
Cost Performance Index (CPI)	▲	0.601	0.445

Contribution to Key Performance Area

Inception To Date Nonbillable Cost % of Total Cost: 83.33%

Variance: 16.67%

Key Performance Indicator History

Key Performance Indicator Value

Generation Date

Notes

Amy Marlin 19-Jan-2008
Certain invoices are non-billable because customer didn't agree to them in statement of work.

Amy Marlin 28-Jan-2008
Customer has agreed TO get billed FOR Video conferencing equipment.

Fusion Applications Procurement

The screenshot shows the Oracle Fusion Applications Procurement interface. The top navigation bar includes 'Tasks', 'Purchasing News', and 'My Worklist'. The main content area is divided into several sections:

- Search:** A search bar with 'Sparc T55520' entered and an 'Advanced' search option.
- Punchouts:** A section with icons for 'Dell Computers', 'Travel', and 'Standard Hardware', each with a brief description.
- My Recent Requisitions:** A table listing recent requisitions with columns for Requisitioning BU, Requisition, Description, Total (USD), Status, and Duplicate.
- Quick Links:** A section with links for 'Shopping Lists', 'Requestion Entry Form', and 'Non-Catalog Request'.
- Shopping Preference:** A section with a dropdown for 'Requisitioning BU' (set to 'Vision Operations') and a 'Location' field (set to 'HQ').

Requisitioning BU	Requisition	Description	Total (USD)	Status	Duplicate
Vision Operations	157	Sparc T55520	5,799.99	INCOMPLETE	
Vision Operations	156	Test run	36,009.05	IN PROCESS	
Vision Operations	155	test	36,009.05	IN PROCESS	
Vision Operations	154	Canon CP200 Photo Printer	209.99	IN PROCESS	
Vision Operations	153	Printers, servers and laptops	36,009.05	APPROVED	
Vision Operations	152	Printer Paper	199.99	IN PROCESS	

The screenshot shows the Oracle Fusion Applications Procurement interface displaying search results for 'server'. The top navigation bar is the same as the previous screenshot. The main content area is divided into several sections:

- Search Results:** A section with a search bar containing 'server' and a 'View' dropdown set to 'Detach'.
- BladeCenter JS22:** A product card for the Sun SPARC Enterprise T55520 server, including a description, supplier information (Sun, SUP009), and price (5,799.99 USD).
- Bladecenter JS22:** A product card for the IBM BladeCenter JS22 server, including a description, supplier information (IBM, SUP010), and price (6,199.99 USD).
- ProLiant DL:** A product card for the HP ProLiant DL580 G4 server, including a description, supplier information (HP, SUP011), and price (6,599.99 USD).

Oracle WebCenter Spaces

The screenshot shows the Oracle WebCenter Spaces interface for a workspace titled "11g FMW 11GR1 Launch". The user is identified as "Shay Shmeltzer" in their "Personal Space". The interface includes a navigation menu with tabs for "Home", "Documents", "Phase 2 Training", "Announcements", and "Useful Links". A left sidebar contains a tree view with folders like "Phase 2 Weekly Meeting Docs", "Phase 2 Training Docs", "Phase 2 Collateral", "Phase 2 Core Team", "Phase 2 Training Team", and "Recent Update to WorkSpace". The main content area displays a workspace description, contact information for Margaret.Lee@oracle.com, and meeting details for "WEEKLY TEAM MEETINGS" on Wednesdays. It also lists "ACTION ITEMS BEFORE NEXT MEETING" such as identifying a single point of contact, sending Margaret OFO/Wiki/WebCenter location, and determining training support. At the bottom, there is an "Events" calendar for October 2009, showing dates 01, 02, and 03.

ORACLE FUSION MIDDLEWARE **11g FMW 11GR1 Launch** Shay Shmeltzer | Personal Space | Help Logout

Home Documents Phase 2 Training Announcements Useful Links

Page Actions Tags Links

Phase 2 Weekly Meeting Docs
View
Name
FMW 11g_Phase 2_Kickoff.ppt
FMW11g_Phase 2_Rollout_Meeting_Sep_30_20

Phase 2 Training Docs
Phase 2 Collateral

Phase 2 Core Team
Phase 2 Training Team
Recent Update to WorkSpace

This is the Product Management workspace for **FMW 11g R1 Phase 2 Release Project**.
For questions regarding this workspace or this project, please contact Margaret.Lee@oracle.com (650.506.5917)

WEEKLY TEAM MEETINGS
Wednesdays, 11-12 PST

NEXT MEETING
Wednesday, October 21, 11-12AM PST
Intercall: 9296885/9296885
Conference.oracle.com

ACTION ITEMS BEFORE NEXT MEETING

- Identify single point of contact going forward
- Send Margaret OFO/Wiki/WebCenter location of your team's rollout planning
- Determine if your team is ready to and plans to support Hands-on based training in Jan/Feb time frame. (Awareness and Proficiency content will be required for all)

Events
Create Today Day Week Month List

October 2009

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				01	02	03

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MICROS

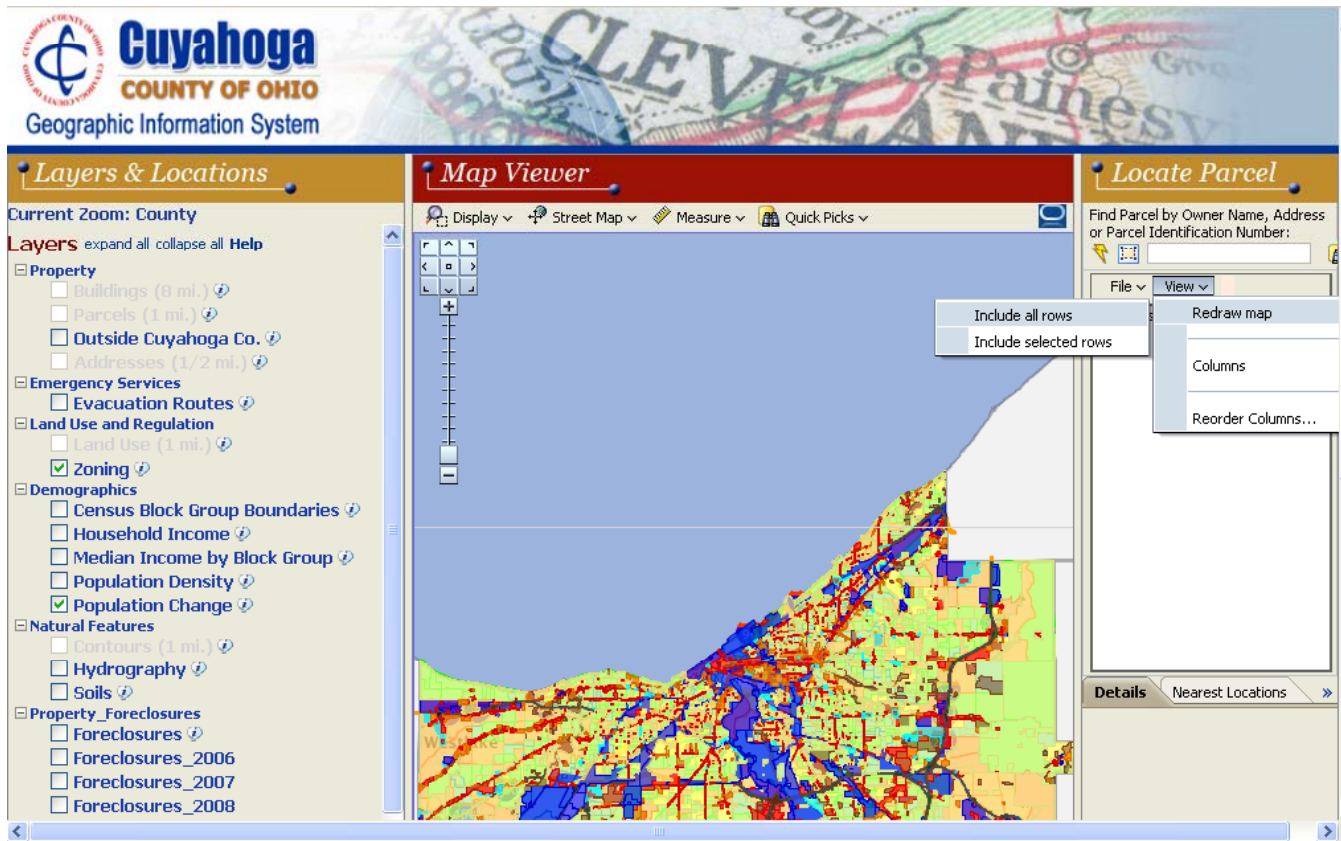


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Cuyahoga County



Over 150 Ajax Enabled Components

Tag Guide

A

- ActiveCommandToolBarButton
- ActiveImage
- ActiveOutputText
- AreaGraph
- AttributeDragSource
- AttributeDropTarget
- AutoSuggestBehavior

B

- BarGraph
- BreadCrumbs
- BubbleGraph

C

- Calendar
- CalendarDropTarget
- Carousel
- CarouselItem
- ChooseColor
- ChooseDate
- ClientAttribute
- ClientListener
- CollectionDragSource
- CollectionDropTarget
- Column
- ComboGraph
- CommandButton
- CommandImageLink
- CommandLink
- CommandMenuItem
- CommandNavigationItem
- CommandToolBarButton
- ComponentDef
- ComponentDragSource
- ContextInfo
- ConvertColor
- ConvertDateTime
- ConvertNumber

D

- DataFlavor
- DeclarativeComponent
- DecorativeBox
- Dialga
- Document
- DragSource
- DropTarget

E

- ExportCollectionActionListener

F

- FacetRef
- FileDownloadActionListener
- ForEach
- Form
- FunnelGraph

G

- Gauge
- GoButton
- GoImageLink
- GoLink
- GoMenuItem
- Group

H

- HierarchyViewer
- HorizontalBarGraph

I

- Icon
- Image
- InlineFrame
- InputColor
- InputComboBoxListOfValues
- InputDate
- InputFile
- InputListOfValues
- InputNumberSlider
- InputNumberSpinbox
- InputRangeSlider
- InputText
- InsertTextBehavior
- Iterator

L

- LineGraph

M

- Map
- MapBarGraphTheme
- MapColorTheme
- MapPieGraphTheme
- MapPointTheme
- Media
- Menu
- Manufacturer
- Message
- Messages

N

- NavigationPane
- NoteWindow

O

- OutputFormatted
- OutputLabel
- OutputText

P

- PageTemplate
- PageTemplateDef
- PanelAccordion
- PanelBorderLayout
- PanelBox
- PanelCollection
- PanelDashboard
- PanelDashboardBehavior
- PanelFormLayout
- PanelGroupLayout
- PanelHeader
- PanelLabelAndMessage
- PanelList
- PanelSplitter
- PanelStretchLayout
- PanelTabbed
- PanelWindow
- ParetoGraph
- PieGraph
- PivotFilterBar
- PivotTable
- PopUp
- ProgressIndicator
- ProjectGantt

Q

- Query
- QuickQuery

R

- RadarGraph
- Region
- ResetActionListener
- ResetButton
- Resource
- ResourceUtilizationGantt
- ReturnActionListener
- RichTextEditor
- RichTextEditorInsertBehavior

S

- ScatterGraph
- SchedulingGantt
- ScrollComponentIntoViewBehavior
- SelectBooleanCheckbox
- SelectBooleanRadio
- SelectItem

S (continued)

- SelectManyCheckbox
- SelectManyChoice
- SelectManyListbox
- SelectManyShuttle
- SelectOneChoice
- SelectOneListbox
- SelectOneListbox
- SelectOneRadio
- SelectOrderShuttle
- Separator
- ServerListener
- SetPropertyListener
- ShowDetail
- ShowDetailHeader
- ShowDetailItem
- ShowPopupBehavior
- ShowPrintablePageBehavior
- ShuttleTest
- Spacer
- SparkChart
- StatusIndicator
- StockGraph
- Subform
- Switcher

T

- Table
- ToolBar
- Toolbox
- Train
- TrainButtonBar
- Tree
- TreeTable

V

- ValidateByteLength
- ValidateDateRestriction
- ValidateDateTimeRange
- ValidateDoubleRange
- ValidateLength
- ValidateLongRange
- ValidateReqExp

X

- XmlContent

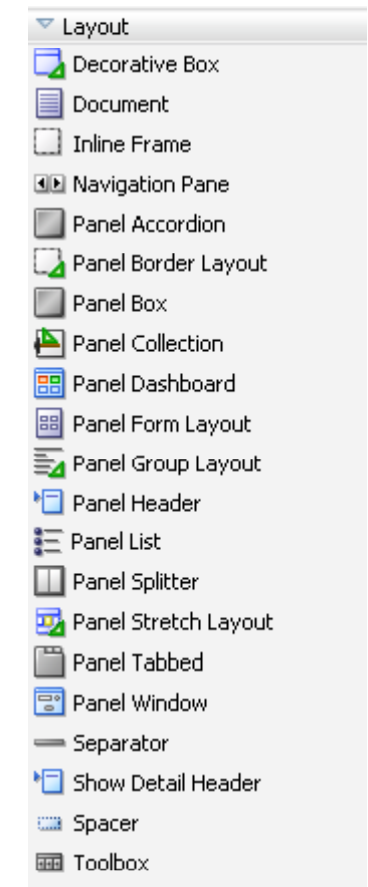
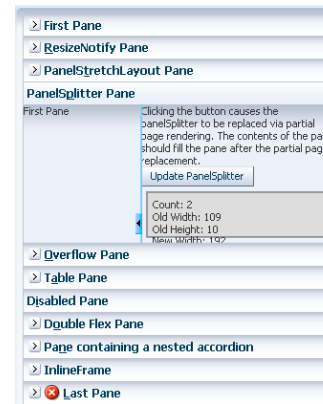


More Than Components – A Framework

- Dialog and popup windows
- Drag-and-drop
- Navigation menu
- Partial page rendering
- Active data framework – ajax communication
- Advanced data streaming – push communication
- Complete JavaScript API
- Templating
- Skinning
- Accessibility

Layout Components

- Arrange your page using areas
- Change page layout at runtime
 - Splitter
 - Accordion
 - Show detail
- Advanced layouts
 - Tabbed
 - Dashboards
 - Borders

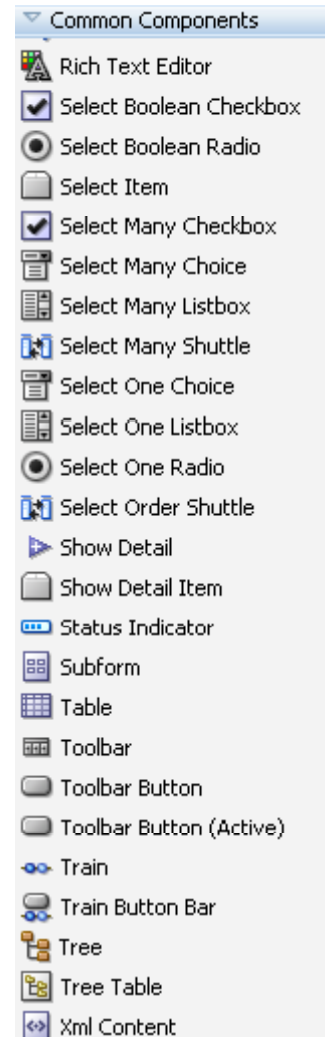
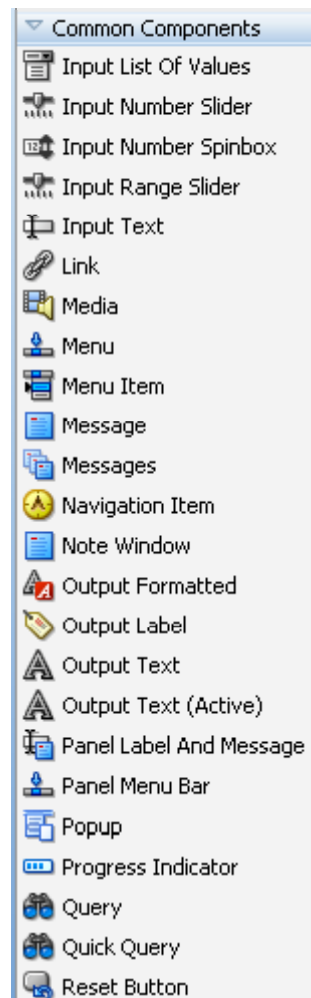
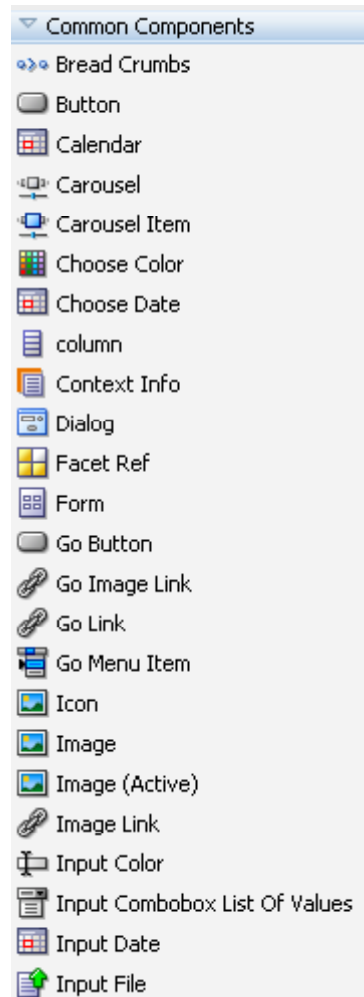




Demonstration

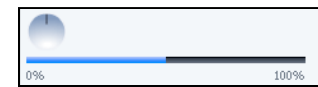
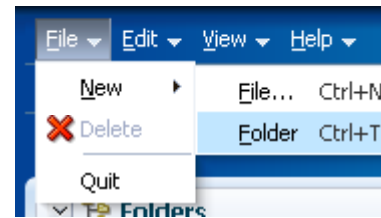
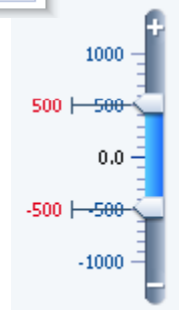
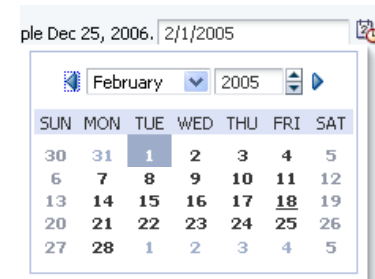
Arranging a Page with Layout Components

Common Components



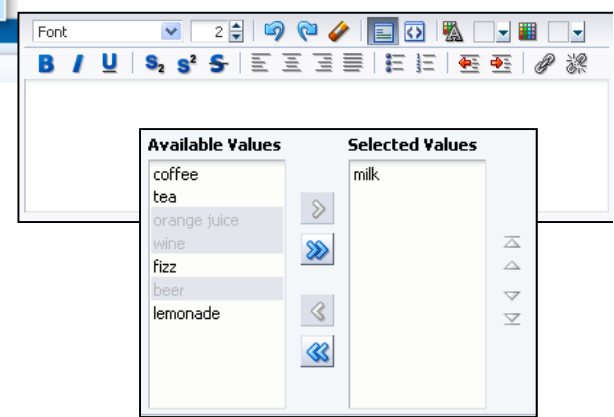
Common Components

- Input/Output components
 - Text items, check boxes, radio buttons, date
- Selection components
 - Single select, multiple select, combo box, LOV, shuttle
- Tables and Trees
- Navigation components
- Others
 - Progress bar
 - bread crumbs ...



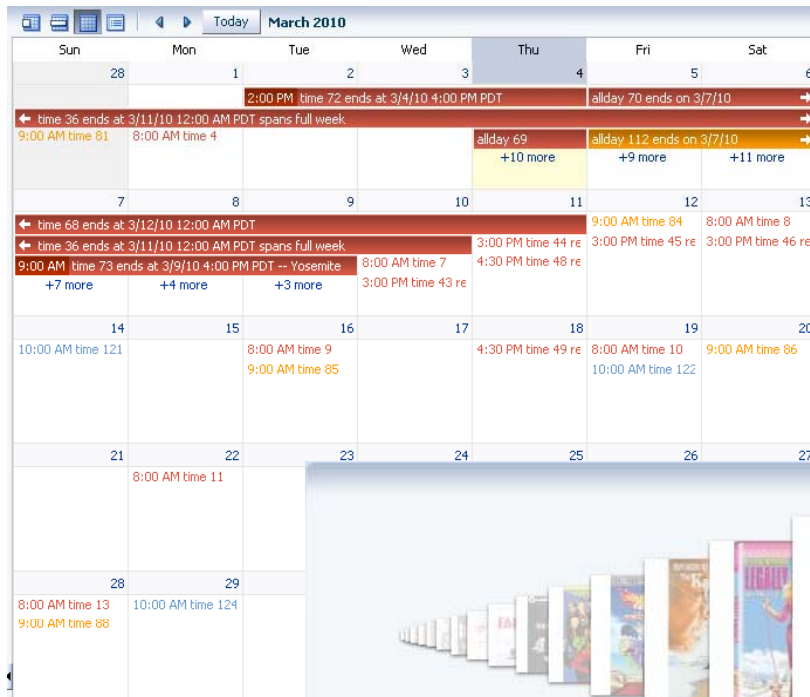
A screenshot of a tree view component. The tree is titled 'Basic treeTable' and shows a directory structure. The 'WEB-INF' folder is expanded, showing sub-items like 'classes', 'lib', and 'menu'.

Directory Name	Icon	Last Modified
My Files	/afr/folder_ena.png	
META-INF	/afr/folder_ena.png	11/10/2009 4:52 PM
WEB-INF	/afr/folder_ena.png	11/10/2009 4:55 PM
classes	/afr/node_ena.png	11/10/2009 4:52 PM
lib	/afr/node_ena.png	11/10/2009 4:52 PM
menu	/afr/node_ena.png	11/10/2009 4:52 PM
components	/afr/folder_ena.png	11/10/2009 4:53 PM
confusedComponents	/afr/node_ena.png	11/10/2009 4:53 PM
docs	/afr/folder_ena.png	11/10/2009 4:53 PM
Feature	/afr/folder_ena.png	11/10/2009 4:53 PM
fileExplorer	/afr/folder_ena.png	11/10/2009 4:53 PM
images	/afr/folder_ena.png	11/10/2009 4:53 PM
includes	/afr/node_ena.png	11/10/2009 4:53 PM



Some More Advanced Components

Calendar



Query

A screenshot of a query builder interface. The "Search" section is active, showing a "Basic" search type. The "Match" options are "All" and "Any". The search criteria are: "Employee Name" (Joe), "Department Number" (Equals 529), and "Hire Date" (Before 6/8/2007). The interface includes buttons for "Search", "Reset", "Save...", and "Add Fields".

Carousel



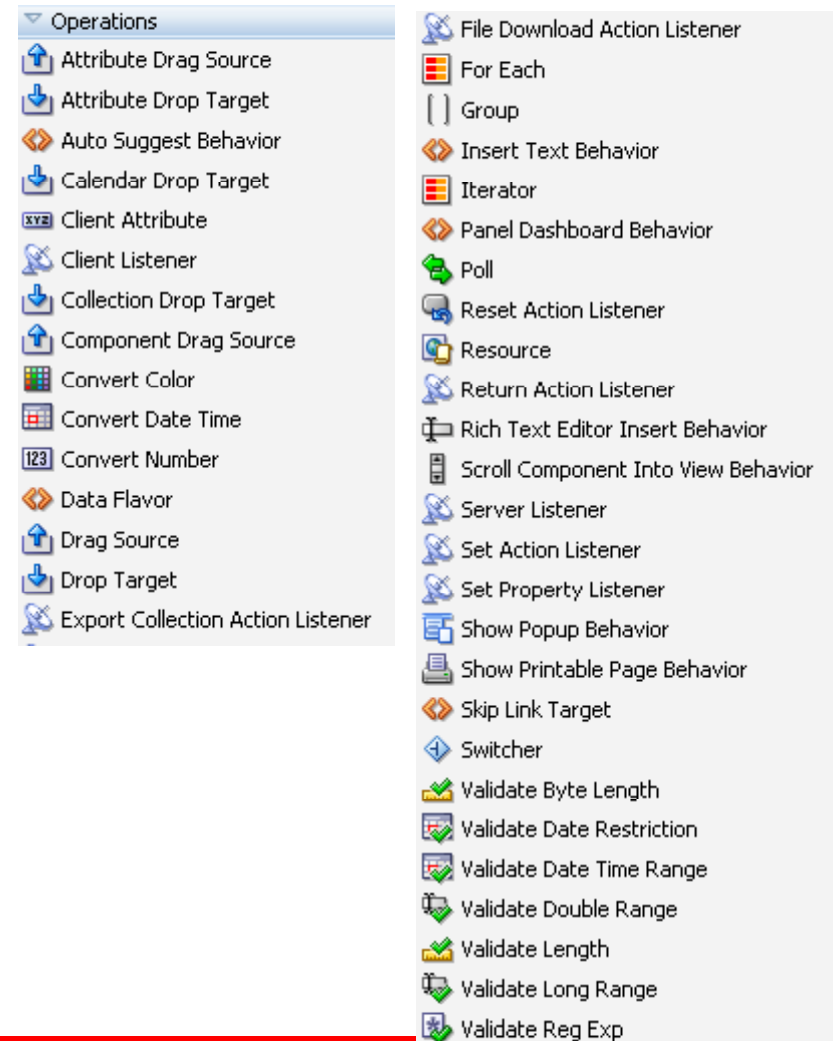


Demonstration

Displaying Data with Common Components

Operation Components

- Eliminate JavaScript Coding:
- Drag and drop
- Autosuggest
- Pop up
- Poll
- Validators
- Listeners
- Convertors
- Export
- Print



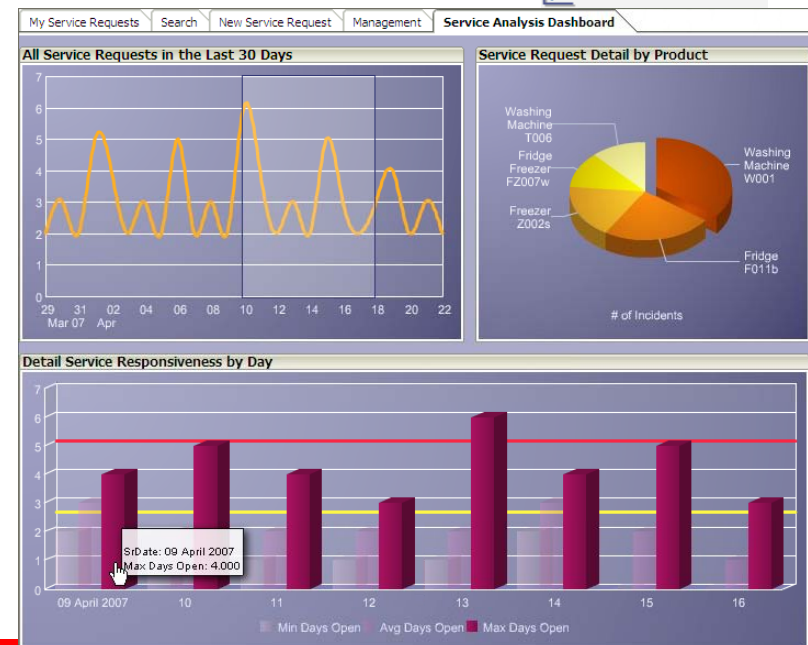
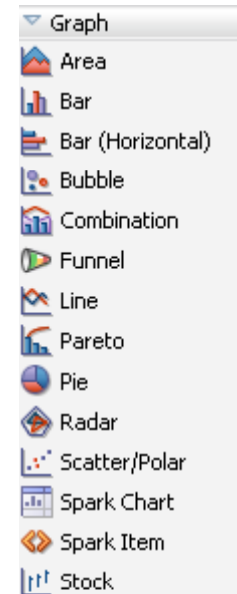


Demonstration

Framework Capabilities: Adding Client Functionality with Operation Components

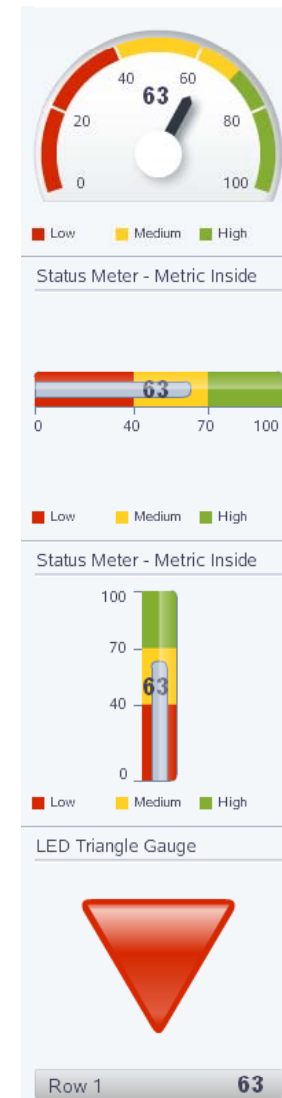
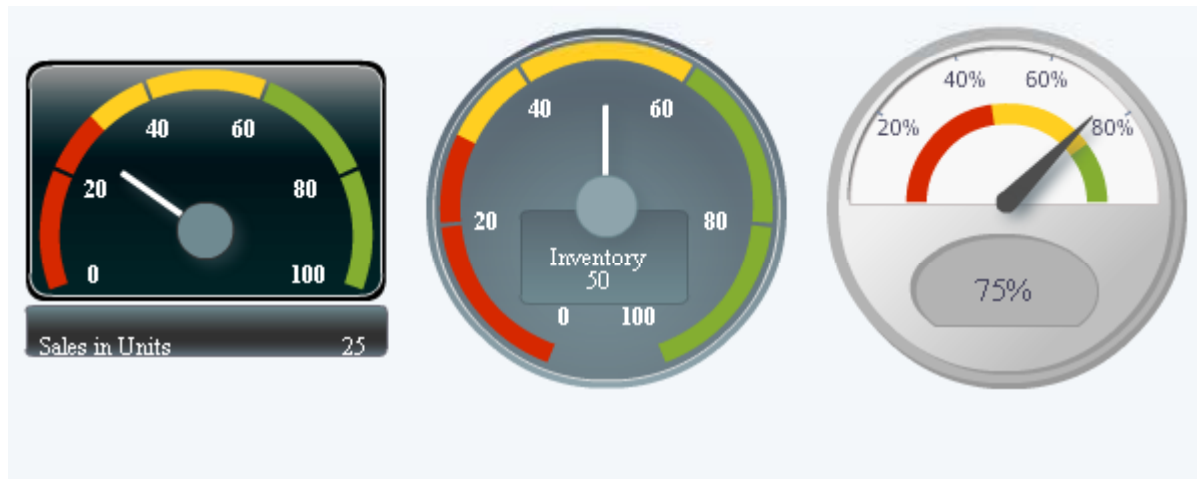
Graphs

- 50 graph types
- Flash or PNG rendering
- Interactive: zoom, scroll, time selector window, line and legend highlighting/fading, dynamic reference lines and areas



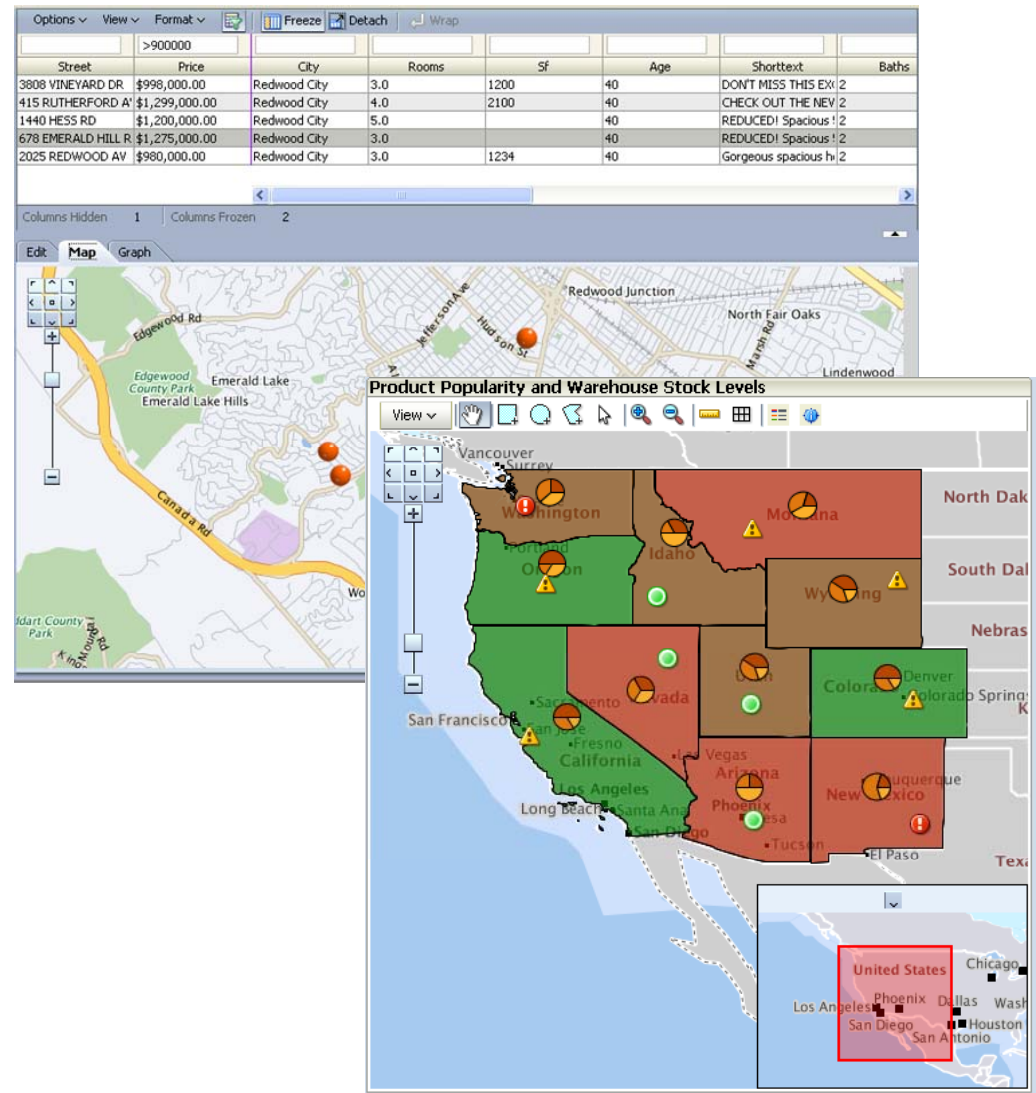
Gauges

- Dial: standard and threshold
- Status Meter: standard and threshold
- LED



Geographic Maps

- Represents business data on a geographic map
- Supports superimposing multiple layers of information on a single map
- Available Map types are:
 - Thematic
 - Pie
 - Bar
 - Point



Pivot Table

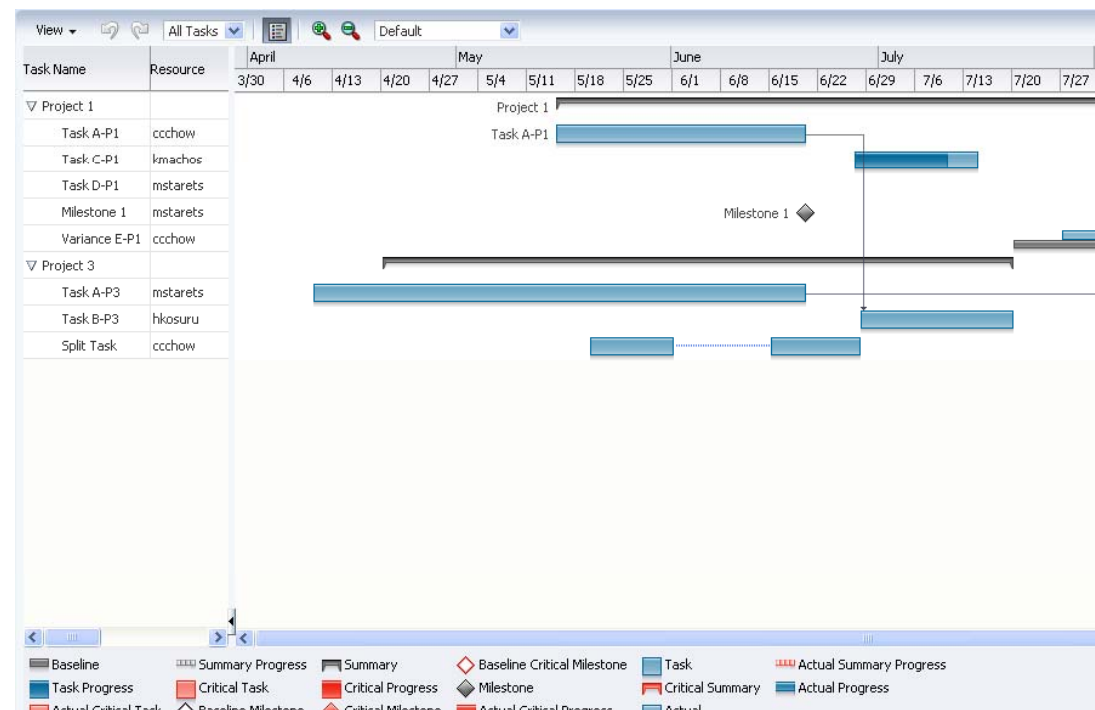
- Multiple layers of data labels on a row or a column edge
- Automatic calculation of subtotals and totals
- Drag and drop pivoting
- Drill and edit enabled

		Sales						
		All Channels						
		2005	2006	2007	2008	2009	2010	Time Total (sum)
Tents	World	5000.0	10000.0	20000.0	8000.0	18000.0	30000.0	
	Boston	125.0	250.0	500.0	200.0	400.0	900.0	
Canoes	World	3750.0	7500.0	15000.0	5000.0	12000.0	29000.0	
	Boston	375.0	750.0	1500.0	450.0	1100.0	3100.0	

	▽ First Quarter			▷ Second Quarter
	January	February	March	
Direct	5,000	5,400	5,800	7,200
Indirect	500	540	580	1,711

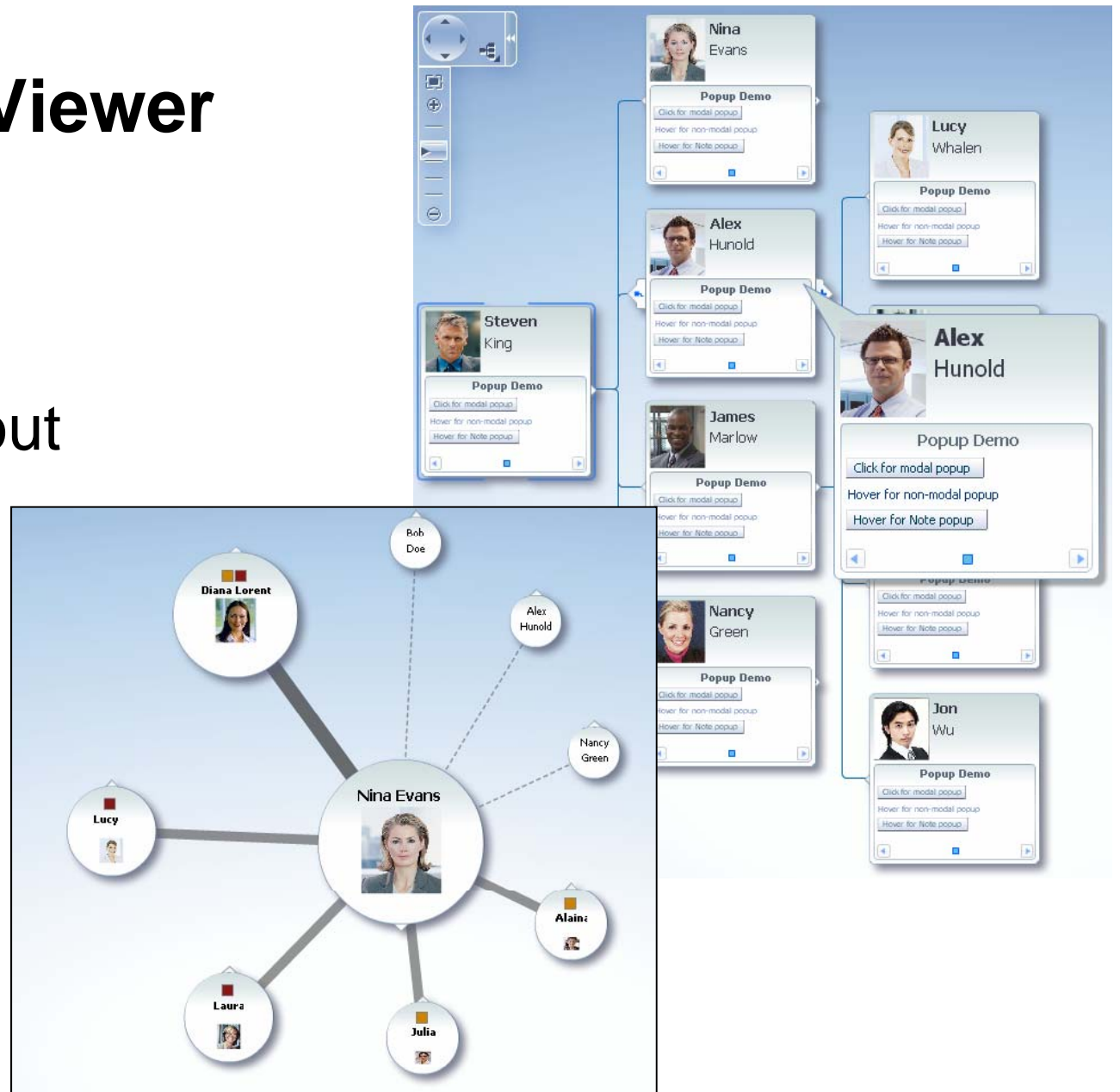
Gantt Chart

- Track tasks and resources on a Time
- Gantt Chart types
 - Project Gantt
 - Scheduling Gantt
 - Resource Gantt



Hierarchy Viewer

- Drill
- Change Layout
- Zoom
- Cards
- Pop-up





Demonstration

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ADF Faces Framework Capabilities



Declarative Partial Page Rendering (PPR)

Partial Page Rendering:

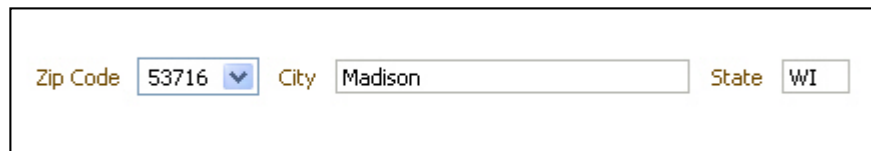
- Enables redrawing only a portion of a page
- Can be enabled declaratively or programmatically

Triggering component:

```
id="zipcode"  
autosubmit="true"
```



Zip Code City State



Zip Code City State

Target components:

```
partialTriggers="zipcode"
```



JavaScript API

- Interact with ADF Faces components from client side JavaScript
- Allows you to have a client representation of the component
- Catch events and react on the client side
- Invoke server side events from client side JavaScript code
- As a rule – try to minimize the usage of this feature



Templates

- Reusable ADF Faces page that contains place holders for custom page content
- Templates are interpreted at runtime
- Authors can change the template for an existing application without opening the application itself
- Templates can have their own ADF binding file
- Templates may accept parameters for passing information from the inheriting page to the template



Declarative Components

- Construct composite components from other components
- Can customize behavior using attributes, methods and facets
- Package components for reuse in other applications

Skinning – Customize Look and Feel

- Skins control the standard look and feel of the components
- Defined using CSS
- Control fonts, colors and images
- Extend an existing skin and override specific keys
- Skin selection can be changed at runtime

The screenshot displays the Oracle ADF Skinning tool interface. The main window shows a 'Basic table' component with a purple skin applied. The table content is as follows:

No.	Name	Size of the file in Kilo B	No.	Date Modified
0	.	0 B	0	07/12/2011
1	..	0 B	1	07/12/2011
2	admin.jar	1 KB	2	05/11/2011
3	applib	0 B	3	07/12/2011
4	applications	0 B	4	07/12/2011
5	config	0 B	5	07/12/2011
6	connectors	0 B	6	07/12/2011
7	database	0 B	7	07/12/2011

The skin applied is 'Skinning', which changes the font and colors of the table and its surrounding UI elements. The table header and body text are in a purple font. The surrounding UI elements, including the 'Tag Guide' and 'Basic table' labels, are also in a purple font. The 'Export All Rows to Excel' and 'Export Selected Rows to Excel' buttons are visible at the bottom of the table. The 'See also' section lists links to 'Table Feature Demo List', 'panelCollection', 'panelCollection with Column Group', and 'ColumnGroupTable'. The 'Print Content' button is also visible.



Agenda

- Comparison: New vs. Old
- JDeveloper Provides
- JSF Overview
- ADF Faces Rich Client Components
 - Layout Components
 - Common Components
 - Operation Components
 - DVT Components
- • OEPE

What's new in OEPE 11g (11.1.1.7)?

- **ADF Tooling**

- Configure & Install JRF with WLS 10.3.4 and Eclipse

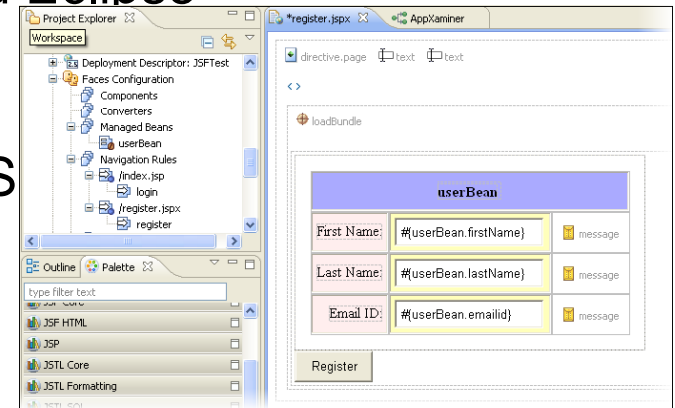
- Install into existing WLS
 - ADF Domain Templates
 - Run & Deploy to Remote and Local WLS

- ADF Project Configuration and Templates

- Oracle Application Project
 - Project Facets
 - ADF Shared Libraries

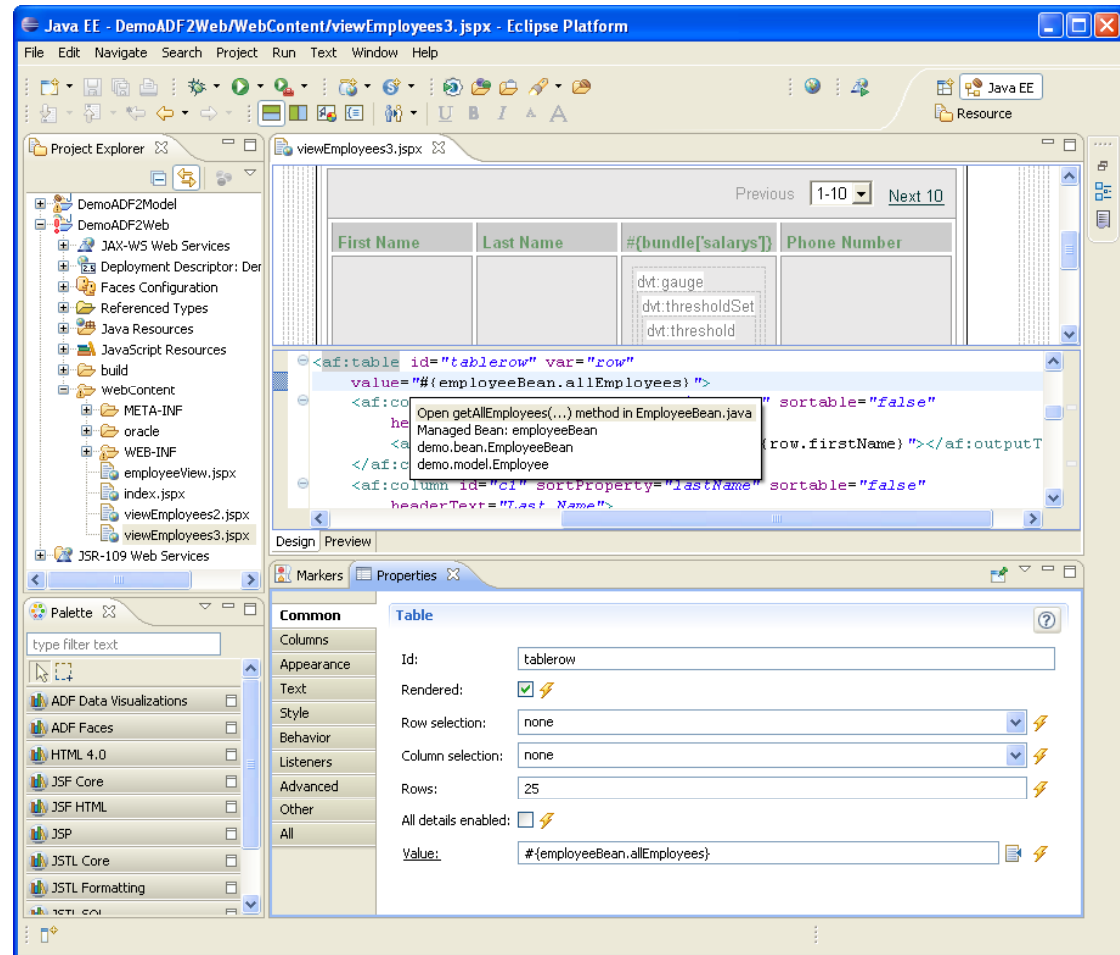
- ADF Faces Design Time Tooling

- New ADF page Templates
 - ADF Faces & DVT Enabled Palette
 - Tag Drop Editors for ADF Tags
 - Property Sheet enabled for ADF Tags
 - Syntax highlight, Code Assist, Navigation for ADF
 - AppXRay support for ADF Faces



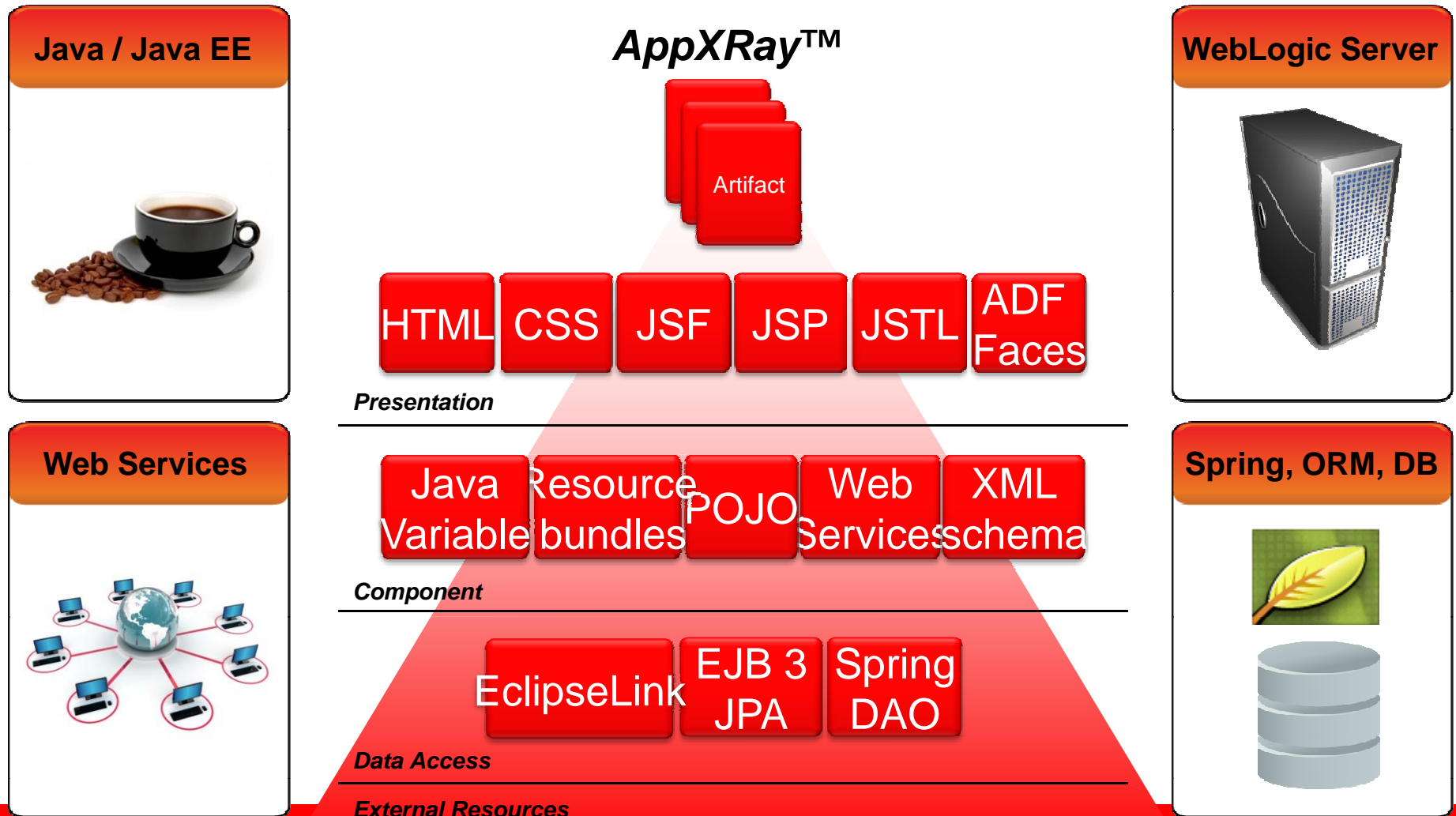
ADF Design Time Tools

- Web Page Editing
 - AppXRay Validation
 - Syntax Highlighting
 - Code Completion and Navigation
- Tag and Data Palette
 - ADF Faces
 - ADF DVT
- Smart Property Sheet
 - Easy Databinding
- Drag and Drop Tag Editors



AppXRay

Design time dependency analysis, validation and visualization



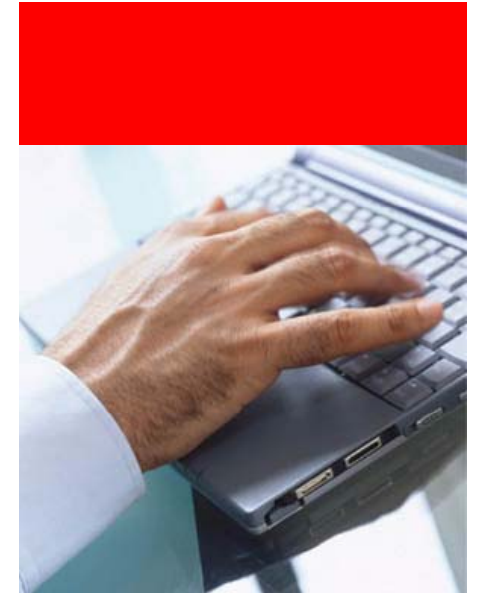
Virtual Developer Day: Rich Enterprise Applications


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Conclusion

- Oracle ADF Faces – a Simpler Way to RIA
 - Rich component set
 - Ajax built-in
 - Data visualization
 - Capable underlying framework
 - Easy to develop with





Learn More Online – JDeveloper and ADF on OTN

- <http://oracle.com/technology/jdev>
- Tutorials
- Demos
- Books
- Discussion Forum
- How-to's
- Samples
- More

Related Oracle Press Books



- Quick Start Guide to Oracle Fusion Development
- Oracle JDeveloper 11g Handbook
- Oracle Fusion Developer Guide



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Learn More at ODTUG K-Scope 2011

- <http://kscope11.com/>
- Special Fusion Middleware Track
- 50 dedicated sessions and hands on labs
- Presented by Oracle ACEs, developers and product managers
- ADF, WebCenter, SOA Suite and more




Virtual Developer Day: Rich Enterprise Applications

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Conference Tracks

Time	Basics	Advanced	Hands on Lab	Best Practices	Enterprise
8:00 – 8:15	Conference orientation				
8:15 – 9:00	Keynote: Rich Enterprise Applications				
9:00 – 10:00	Rich Web UI made simple - an ADF Faces Overview	Developing for Mobile Devices with Oracle ADF	LAB – Web Applications with ADF Part 1	Starting an Enterprise ADF project	Developing with Oracle WebCenter
10:00 – 11:00	Next Generation Controller for JSF	ADF Binding Internals	LAB – Web Applications with ADF Part 2	The bit every one forgets: Unit testing your ADF applications with JUnit	Build Killer Sites with Oracle WebCenter
11:00 – 12:00	From Forms to ADF - When, Why, How?	Advanced ADF Faces - Skinning & Javascript	LAB - Web Applications with Oracle WebCenter	ADF Security in a Project-Centric Environment - An ADF Case Study	Building Process Centric Applications with ADF and BPM
12:00 – 12:30	Survey & Event checkout				



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