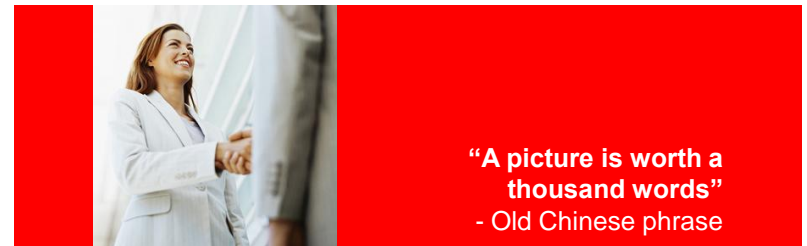




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Visualize Your Data on the Web - The Oracle Fusion Way

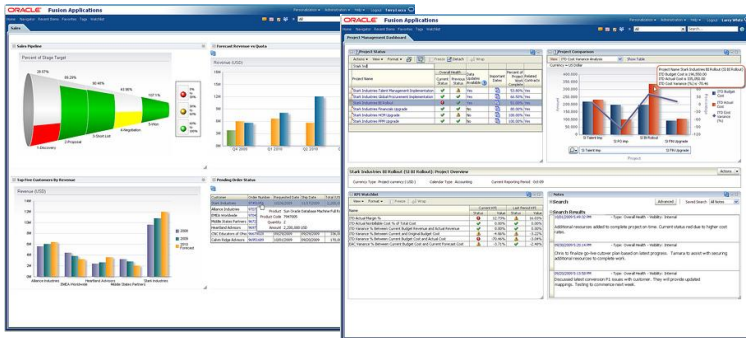
Shay Shmeltzer
Senior Group Manager – Oracle JDeveloper and Oracle ADF
<http://blogs.oracle.com/shay>



“...But it consumes 3 time the memory.”
- Old geek phrase

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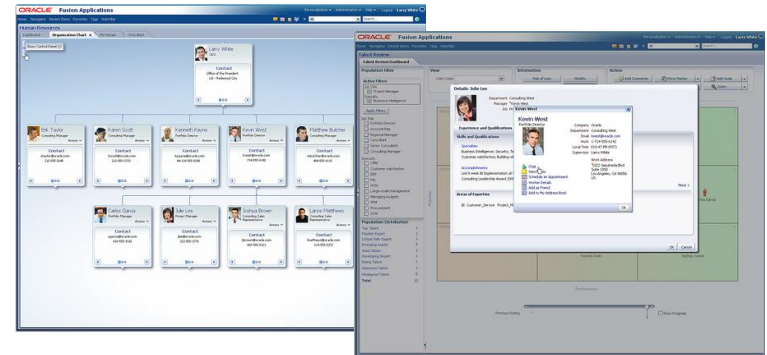
What Oracle is Doing - Oracle Fusion Applications



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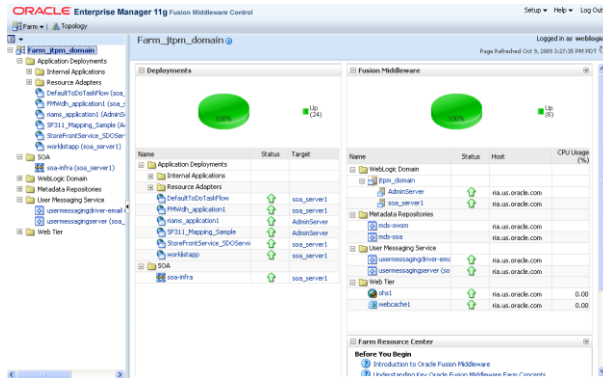
Oracle Fusion Applications



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Oracle Enterprise Manager

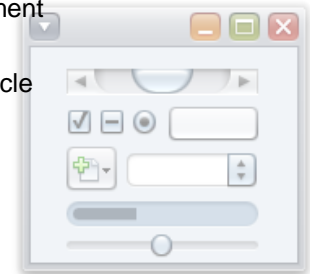


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ADF Faces Rich Client Components

- Component approach to page construction
- Visual and declarative development
- Ajax baked-in the component
- The standard UI platform at Oracle
 - Oracle Fusion Applications
 - Oracle Products
 - Web Center
 - SOA
 - Enterprise Manager
 - More...



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Oracle ADF Faces DVT* Components

- Visualize data in meaningful ways
 - Graphs
 - Gauges
 - Maps
 - Hierarchy Viewer
 - Pivot Table
- Interactive interaction
- Easy data binding

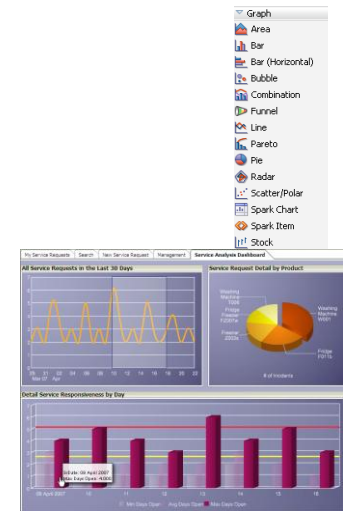
*DVT = Data Visualization Toolkit

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Graphs

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

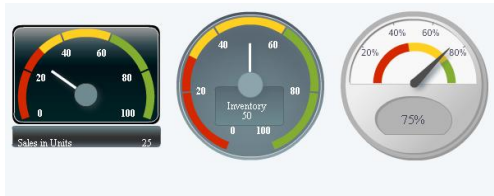


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Gauges

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

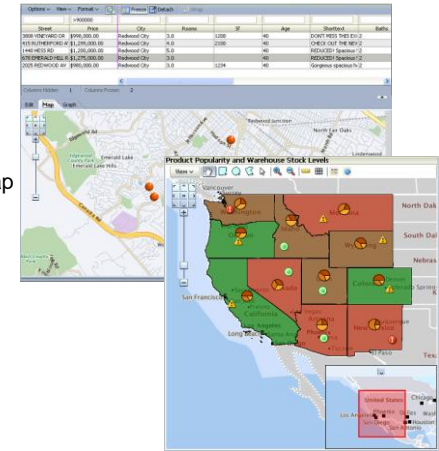


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Geographic Maps

- 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



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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						Time Total (sum)
		All Channels						
		2005	2006	2007	2008	2009	2010	
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	

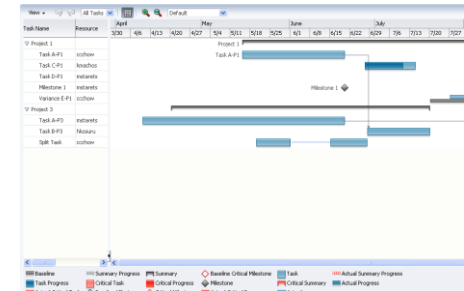
	First Quarter			Second Quarter
	January	February	March	
Direct	5,000	5,400	5,800	7,200
Indirect	500	540	580	1,711

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Gantt Chart

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

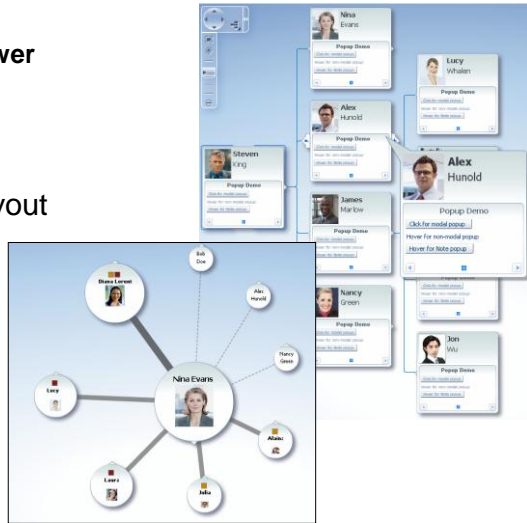


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Hierarchy Viewer

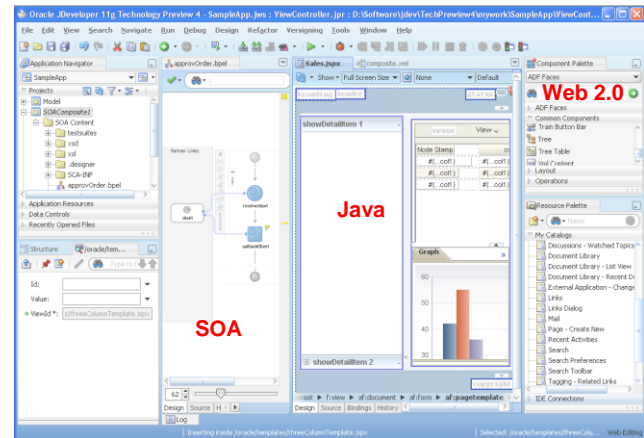
- Drill
- Change Layout
- Zoom
- Cards
- Pop-up



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Oracle JDeveloper - Unified Visual Development Tool



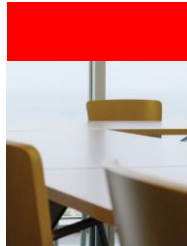
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Demo

Developing Your Dashboard



Define Your Data Model

- Using Oracle ADF Business Components
- Define Read-only View Objects
- Provide SQL to get the data
 - (Make sure you have a key attribute)
- Connect Master/Detail data with View Links
- Expose Model in an Application Module



Create Your Pages

- Define page layout
 - Using layout components to define regions
- Drag view objects from data control palette
- Decide how to display data

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Refine Our Page

- Set Graph properties
 - 3D, Size, Animation, color scheme
- Update one item based on another
 - Define dependence using partialTrigger Property

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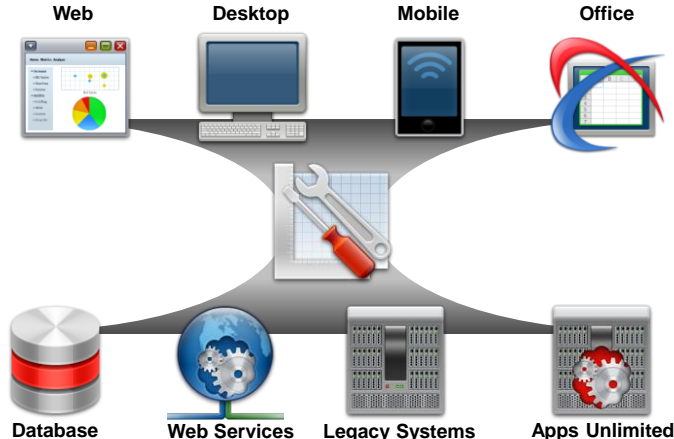
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Oracle ADF – What We've Seen



Oracle ADF – A More Complete View





Summary

- Images makes data easier to understand
- Oracle ADF Faces makes Web 2.0 UI development easy
- You can get from data to Web dashboard very fast with Oracle JDeveloper

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Learn More Online – JDeveloper and ADF on OTN

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

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