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Building Visually Appealing Web 2.0 Data Dashboards

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Program Agenda

- Overview of Data Visualizations

- Demo: Building a Web 2.0 Dashboard

- Q & A

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Take Aways

- Learn how to build visually-appealing dynamic Web dashboard

- Learn how you can create interactive graphs, geographic maps, pivot tables, gauges and more

- Learn how to use declarative SQL queries and the power of the Oracle ADF Faces data visualization components to extract meaning from your data

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Oracle Fusion Applications

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Oracle Fusion Applications

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JDeveloper - Unified Visual Development

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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ADF Data Visualization Graph

More than 50 types including pie, bar, line, bubble, funnel, and stock graphs

- Interactivity
  - Active Data Enabled
  - Animation
  - Data Highlighting
  - Dynamic Reference Objects
  - Interactive Pie Slices
  - Master-Detail
  - Scrollable Legend
  - Selection
  - Time Selector
  - Zoom and Scroll
- Sparkcharts

ADF Data Visualization Gauge

- Quickly track key performance indicators

- Available Types:
  - Dial
  - Status Meter
  - Vertical Status Meter
  - LED
    - Arrow, Bulb, Rectangle, Triangle

- Animation and Interactivity

- Custom Graphics Support

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ADF Data Visualization Geographic Map

- Functionality of Oracle Spatial within ADF

- View business data on a map

- Format by:
  - Color
  - Pie
  - Bar
  - Point

- Active data support

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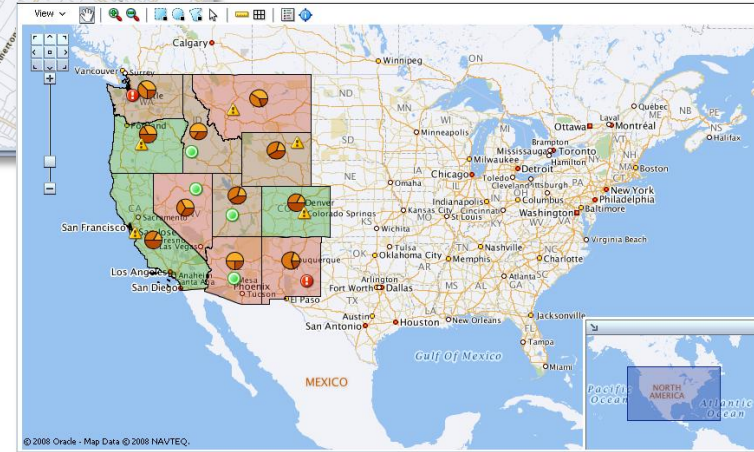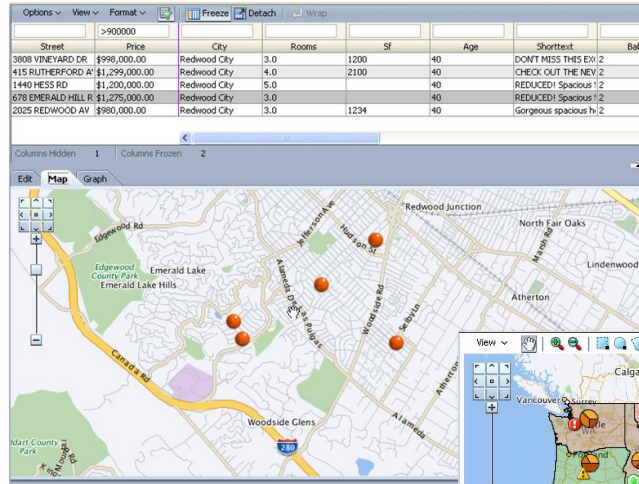
ADF Data Visualization Pivot Table

- Multiple layers on row and column edges

- Supported features include:
  - Drag and drop pivoting
  - Horizontal and vertical scrolling
  - Cell, row and column selection
  - Header and cell formatting
  - Automatic totals/subtotals
  - Data filtering
  - Drilling
  - Sorting
  - Cell editing
  - Stamping, e.g. data bars in cells

- Pivot Filter Bar

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ADF Data Visualization Gantt Chart

- Track tasks and resources over time for project planning

- Project Gantt (project management)
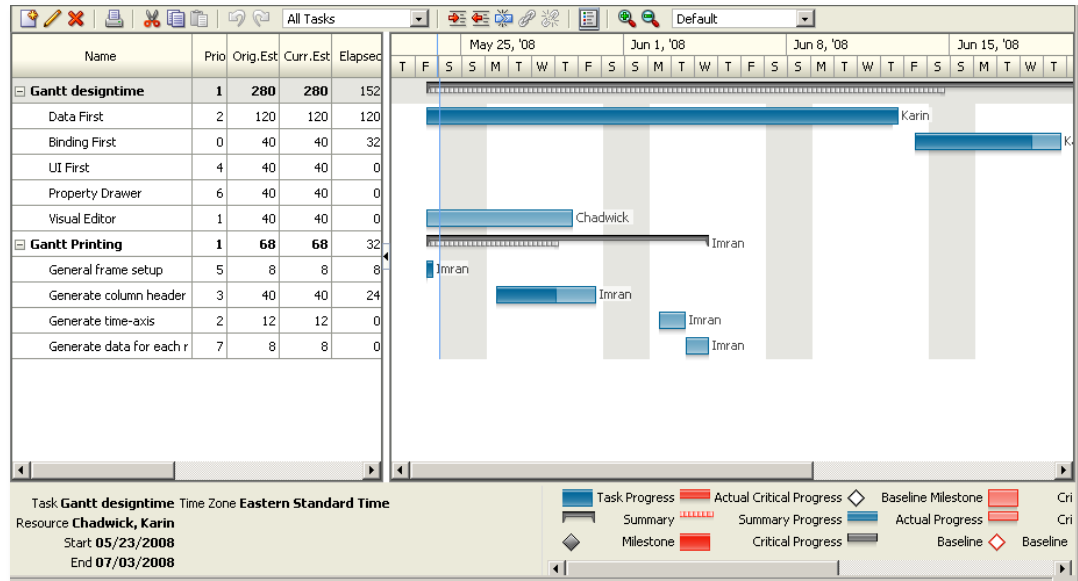
- Scheduling Gantt (resource management)

- Resource Utilization Gantt (resource utilization)

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ADF Data Visualization Hierarchy Viewer

- View hierarchical data

- Often used for org charts

- Features:
  - Multiple PanelCards for details
  - Multiple layouts
  - Progressive disclosure of details
  - Expand/collapse nodes
  - Rendering simple ADF components inside the nodes
  - Search
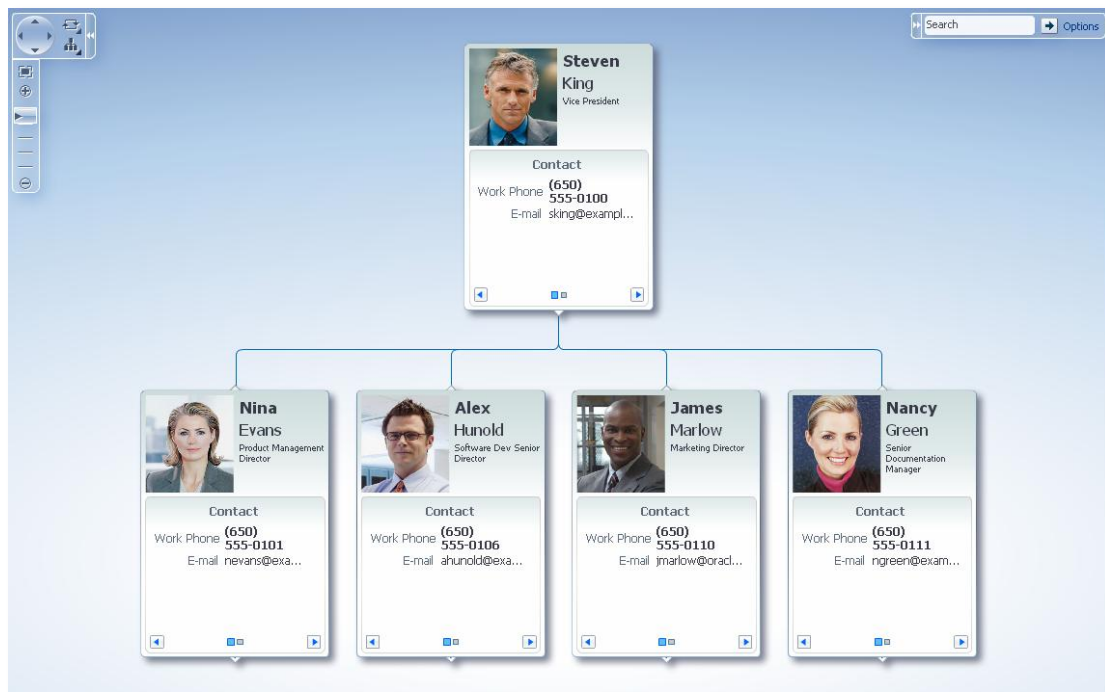
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Demo
Building a Web 2.0 Dashboard

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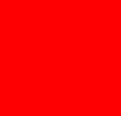
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Q & A

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