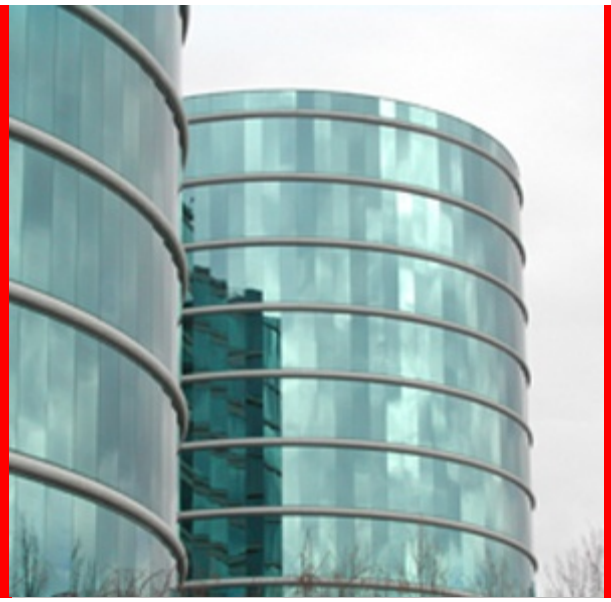


Enterprise 2.0 Professional Community

Product Management Webcasts

ORACLE®

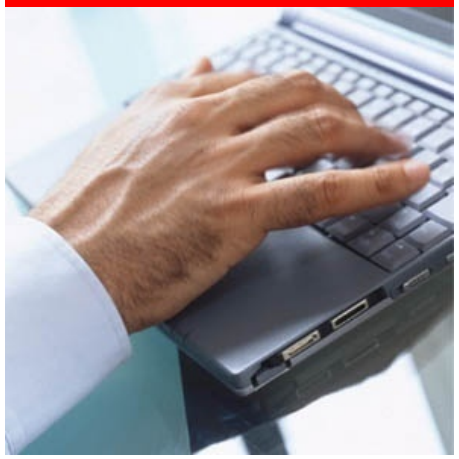
Consuming ADF Task Flows & WebCenter Services in WCI

Brian C. Harrison
Principal Product Manager

Announcements

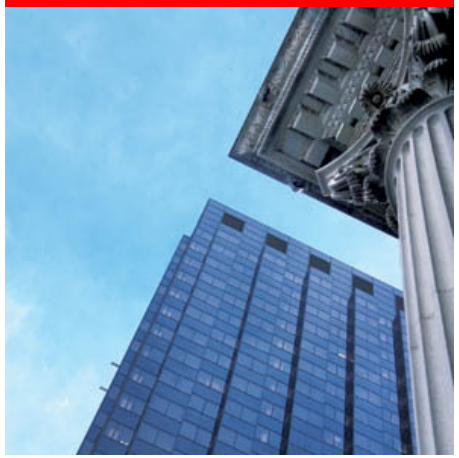
- WebCenter 11g PS1 now available
  - Oracle WebCenter 11.1.1.2.0
  - Social Networking, REST APIs, Content Presenter
  - Software download: http://www.oracle.com/technology/software/products/middleware/index.html
  - Documentation http://download.oracle.com/docs/cd/E15523_01/index.htm
  - VM Image - ftp://webcenter-ftp.us.oracle.com/WebCenterVMImages/OWCPS1/
- AutoVue+WebCenter+UCM VM Image - ftp://rstetcupload.us.oracle.com/abrahim.noor

Agenda



- Enterprise 2.0 Strategy
- WebCenter Services Overview
- Integrating Services into WCI
- Questions?

Enterprise 2.0 Strategy



Enterprise 2.0 Product Strategy

- Complete Multi-Channel, User Interaction Environment
  - Unify development of Rich Media Web, Rich Internet Applications, Enterprise Portals, and Social Computing
- Integrated Enterprise Content Management
  - Capture & manage entire Content Lifecycle
- Transforming how users work individually and with others, within Organizations and across Organizations
  - Using the Internet & E2.0 technology as communication medium

Enterprise 2.0: Portals and User Interaction

Broad Spectrum of Use Cases

Enterprise Portals

- Employee intranets
- Customer/supplier Extranets
- Multi-channel access
- Dashboards
- Document collaboration
- Content integration
- Composite applications
- Custom application development

Transactional Websites

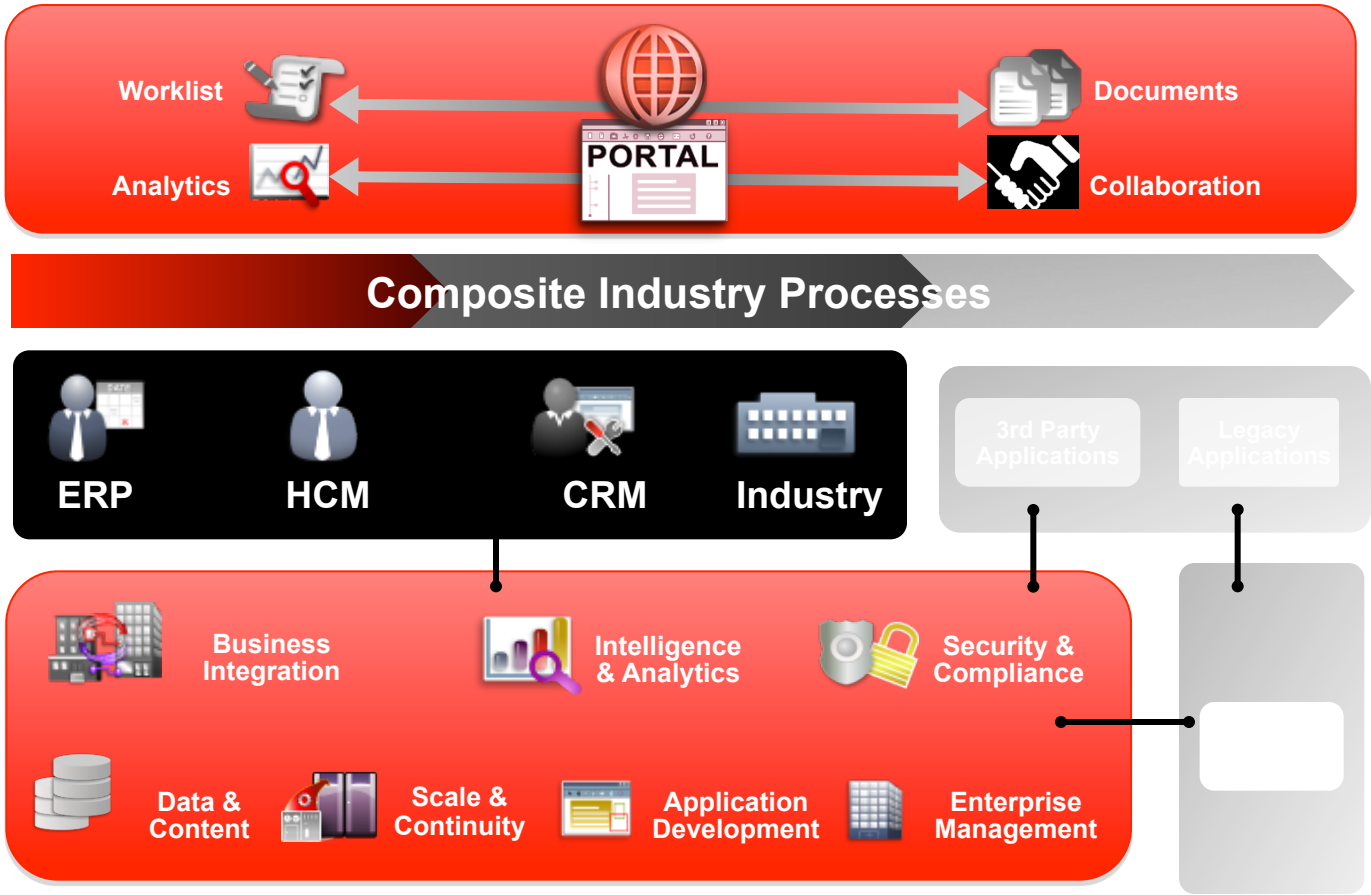
- Online stores with portals and Web applications
- Targeted online marketing
- Process workflow integration
- Composite applications
- Custom application development

Social Networking & Web 2.0

- Expert location
- Social search
- Enterprise mashups
- Blogs and wikis
- Social networks
- Communities and discussion forums
- Collaborative workspaces

Oracle Strategy

Portals User Experience for Applications



WebCenter Enterprise 2.0 Services

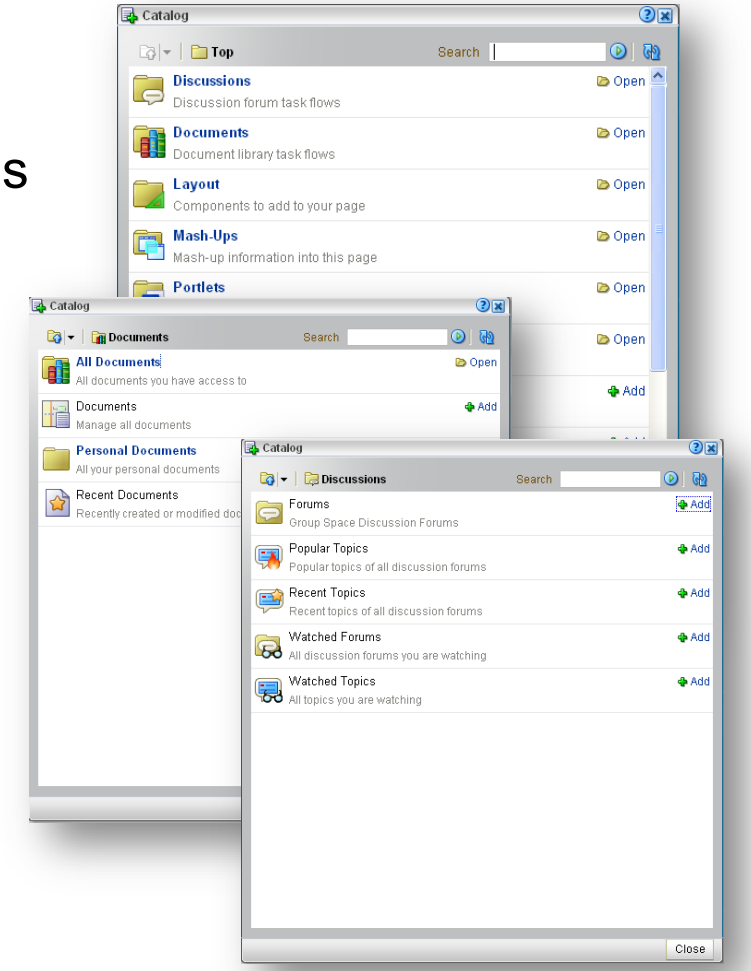
Enterprise 2.0 Services for Portals and Applications

- Rapidly inject into applications, business processes or portals
- Immediately available also for WebLogic Portal, WebCenter Interaction and Oracle Portal
- Standards-based, customizable and pre-integrated with Oracle's middleware and application solutions

WebCenter Enterprise 2.0 Services Maximize and Optimize Connection

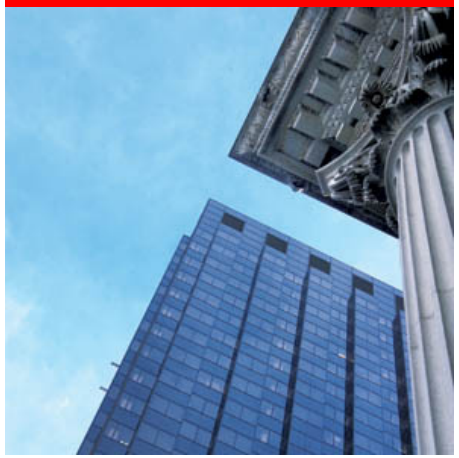
- Announcements
- Discussions
- Blogs
- Tags
- Links
- Wikis
- IM & Presence
- Documents
- Events
- RSS

- Worklist
- People Connections
- Activity Graphs
- Recent Activities
- Mail
- Notes
- Search
- Mashups
- Analytics
- And many more…



100's of pre-built, customizable portlets for these services

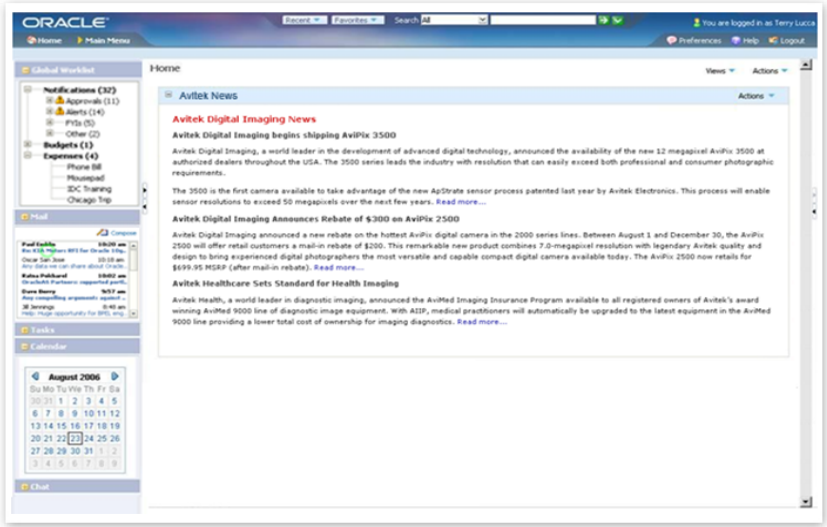
WebCenter Services



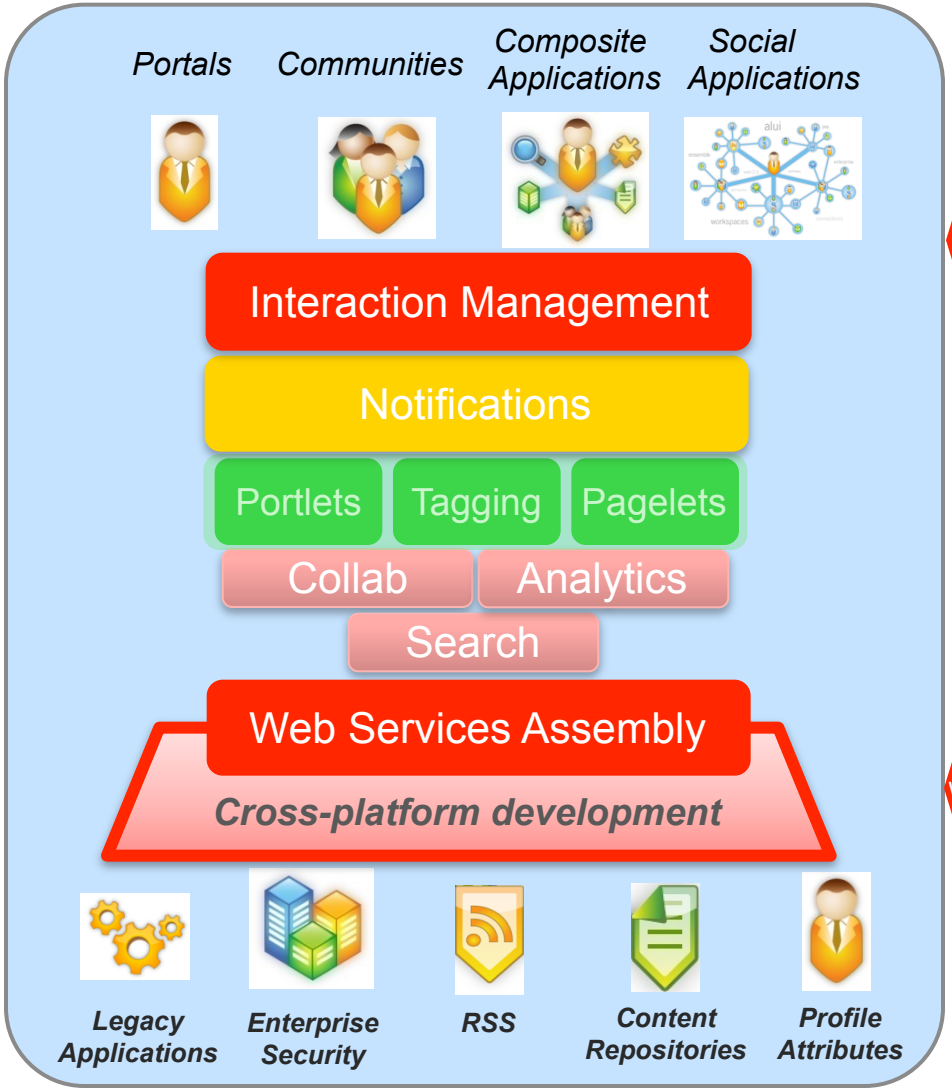
WebCenter Services – Value Add to WCI

Inject Enterprise 2.0 Capabilities into your Portal

- **Key Capabilities**
  - Minimize management effort and risk with integrated and secure application components
  - Delivers greater individual and team productivity with comprehensive social networking capabilities
  - Includes:
    - Social Networking
    - Mashups
    - Analytics
    - Content Integration
    - Integrated Workflow
    - Portlet Interoperability



WCI Consuming WebCenter Services



Ensemble

Oracle WebCenter Services

- Discussions
- Announcements
- IM and Presence
- Mail
- Document Library
- Worklist

WS and /or Java APIs

Oracle WebCenter Services

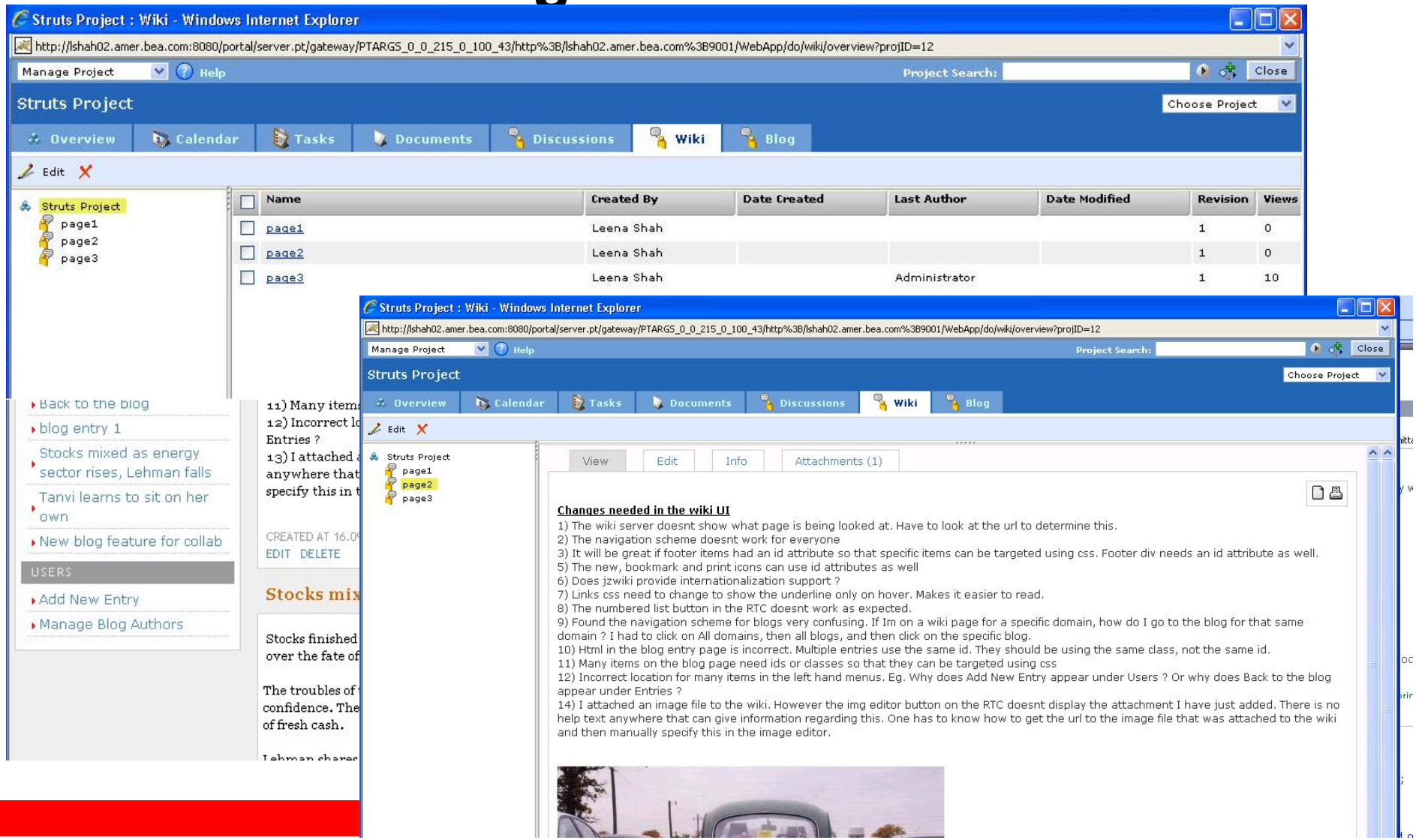
- Wikis/Blogs
- People Connections
- Discussions
- Announcements
- UCM
- IM and Presence

Wikis, Blogs and Discussions

User-Generated Content and Collaboration

	Key Features	Integration Options
Wikis	•Multiple domains; Search •Versioning; Trackbacks •Access metrics; Macros •RSS; Attachments	•Web service •JSR-168 portlets •iFrame •HTTP
Blogs	•Permalinks; Versioning •Search; Attachments •RSS	•Web service •JSR-168 portlets •iFrame •HTTP
Discussions	•Supports forums, topics, posts •Organize by favorites, popularity •RSS •Web-based administration	•JSR-168 portlets •Multiple Business Dictionary Components

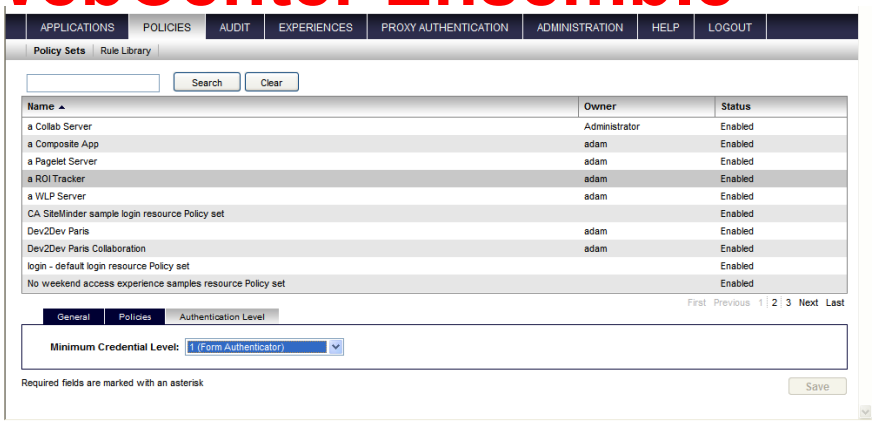
Leverage Oracle WebCenter Services for Wikis and Blogs in WebCenter



WebCenter Services

Mashups with Oracle WebCenter Ensemble

- Mashup HTTP-based services to create or extend the value of applications
- Build libraries of reusable widgets, UI components, and programmable functions
- Centralize authentications, provisioning, analytics for Web apps

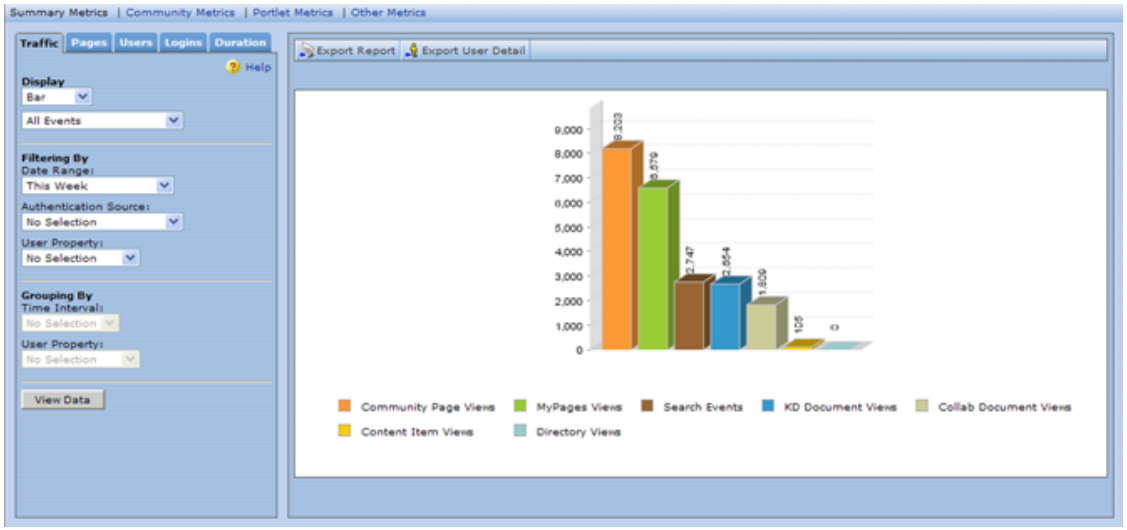


- **New features as part of WebCenter Services 10gR3**
  - **Widget Production for WebCenter Interaction and Universal Content Management.**
  - **Web Injection – Enables Web page alteration via Ensemble's runtime proxy; alterations can include insertion of widgets, changing styles, removing content etc.**
  - **JavaScript Widgets – Insert a portlet into any page via JavaScript and integrate with the portlet's authentication mechanism.**
  - **Lightweight Clipping – Render any page or sub-section of a page as a widget.**
  - **REST-based extensibility – APIs for resource and widget introspection (including CRUD operations), widget discovery, and credential management.**
  - **Enhanced federated identity – Improved SPNEGO integration for primary and resource authentication.**

WebCenter Services

Portal Intelligence with WebCenter Analytics

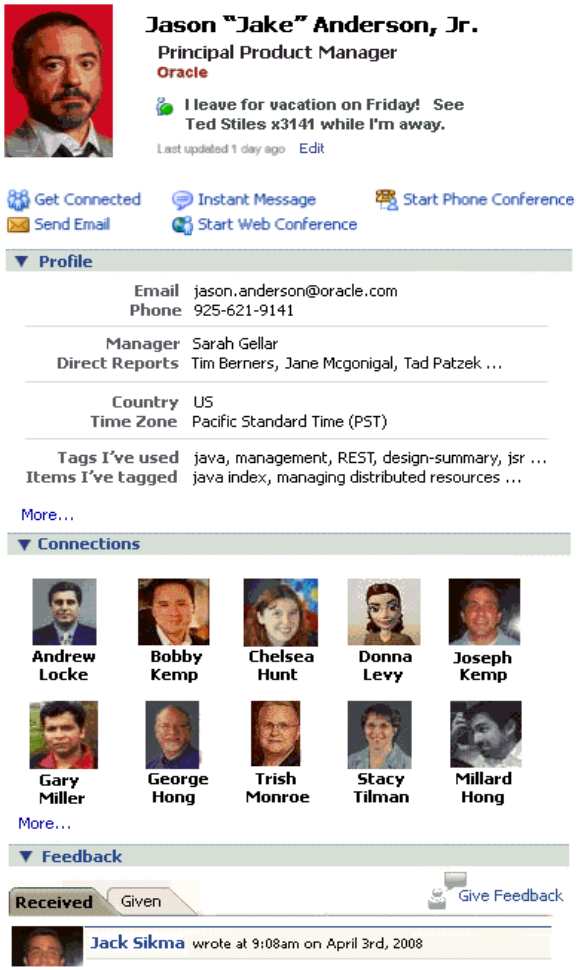
- **Key Capabilities**
  - Track all portal activity
  - Filter by user, group, IP address
  - Real-time data capture & reporting
  - Packaged portlet templates
  - API for analytics-driven applications

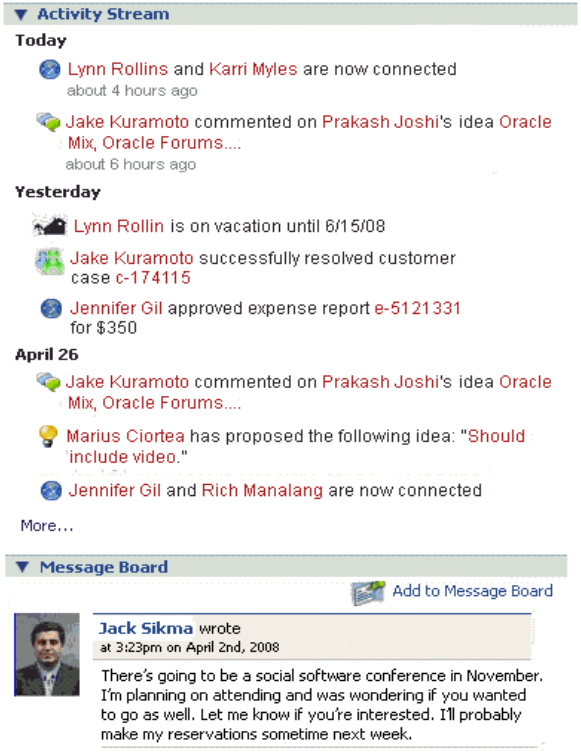


- **Benefits**
  - Identify successful applications and communities
  - Locate & remove stale content
  - Prevent sprawl
  - Improved governance
  - Better measure ROI

People Connections

- Profiles
- Connections
- Activity Stream
- Message Board
- Feedback
- Galleries

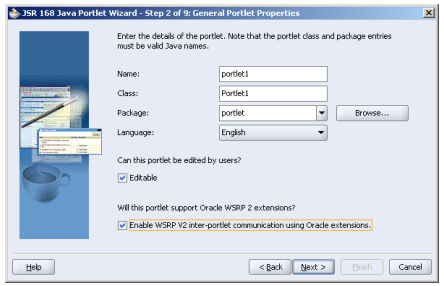


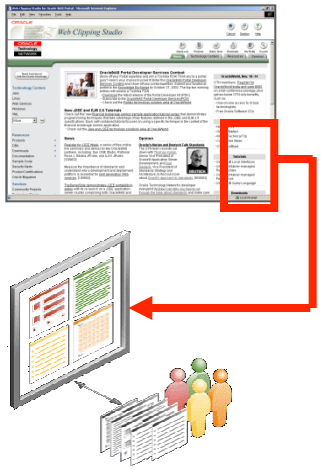


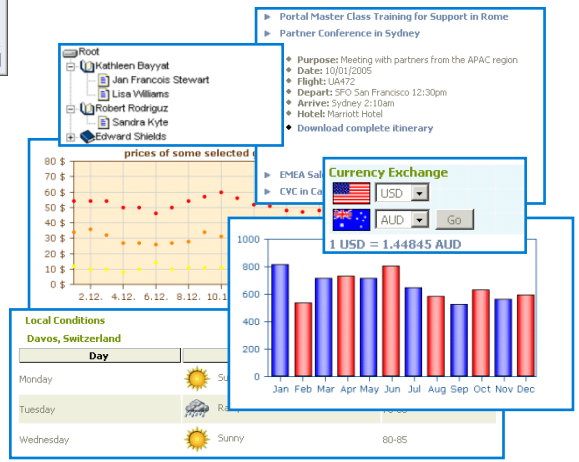
WebCenter Services

Portlet Interoperability

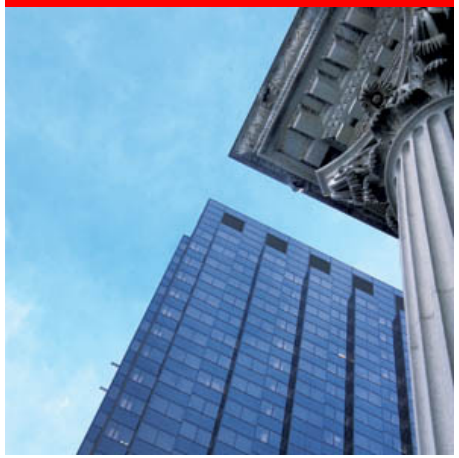
- **Key Capabilities**
  - Portlet standards
    - JSR-168
    - WSRP 1.0, 2.0
  - JSF Portlet bridge
    - JSF apps as portlets
  - Included portlets
    - Web clipping
    - Omniportlet
    - Rich text portlet







Live Demo Integration



Environment Pre-Requisites

- WCI 10gR3 and above
- Ensemble 10gR3 with Patch 8693571
- JDev 11g
  - WebCenter Services ADF Taskflow Add-On
  - Embedded WebLogic Server 10.3.1
- OPTIONAL Backend Servers depending on Task Flows being deployed

Integration Pre-Requisites

- Deploy Portal SSO Integration Application
- Enable “Remember Me” Cookie on WCI
- Enable SSO Login feature within Ensemble
- Verify Login Tokens for Ensemble
- Set ALUI Directory to be ALI

Creating the ADF Application

- Create New Application: WebCenter Application (ADF)
- Model – As Is
- ViewController – As Is
- Create new JSF Page (JSPx)
- Drag/Drop ADF TaskFlow onto page (DocLib)
  - Add a Region
  - Surround by a Form
- Modify web.xml file in ViewController

```
<context-param>
   <param-name>oracle.adf.view.rich.security.FRAME_BUSTING</param-name>
   <param-value>never</param-value>
</context-param>
```

- Start Integrated WebLogic Server

Create Ensemble & WCI Resources

- Create Resource – Points to JDev WebLogic
- Create Pagelet – Points to Deployed Application

- Create Remote Server – Points to Ensemble Proxy
- Create Portlet Web Service
  - inject/v2/portlet/<pagelet_library>/<pagelet_name>?csapi=true&content-type=iframe
  - Pass Login Tokens
  - Increase Timeouts
  - Remove Caching
- Create Portlet

Questions?

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WebCenter Interaction & WebCenter Services

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Blog: http://blogs.oracle.com/WCI

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