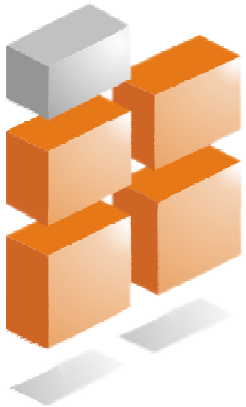
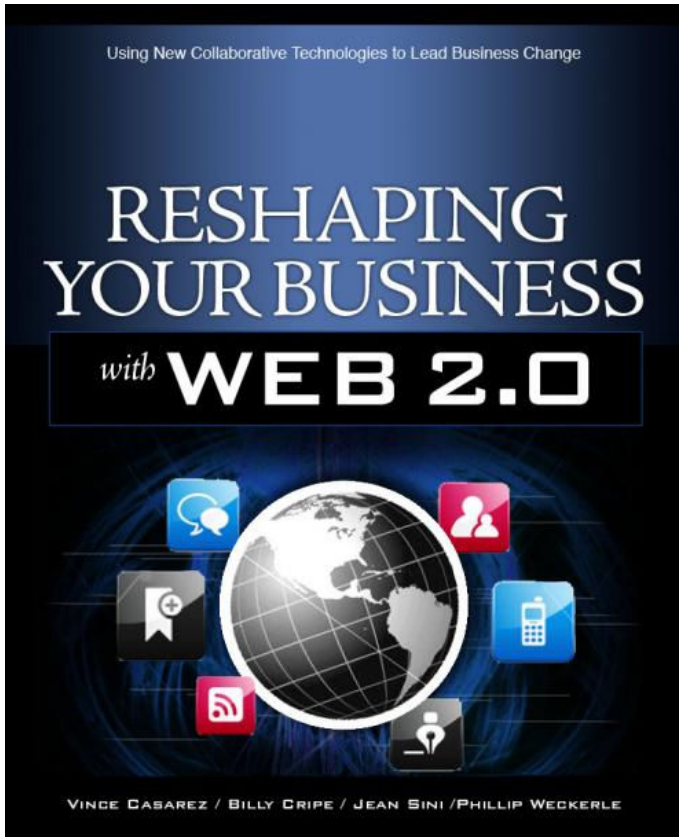


PERU ORACLE USERS GROUP

Enterprise 2.0 & Oracle WebCenter

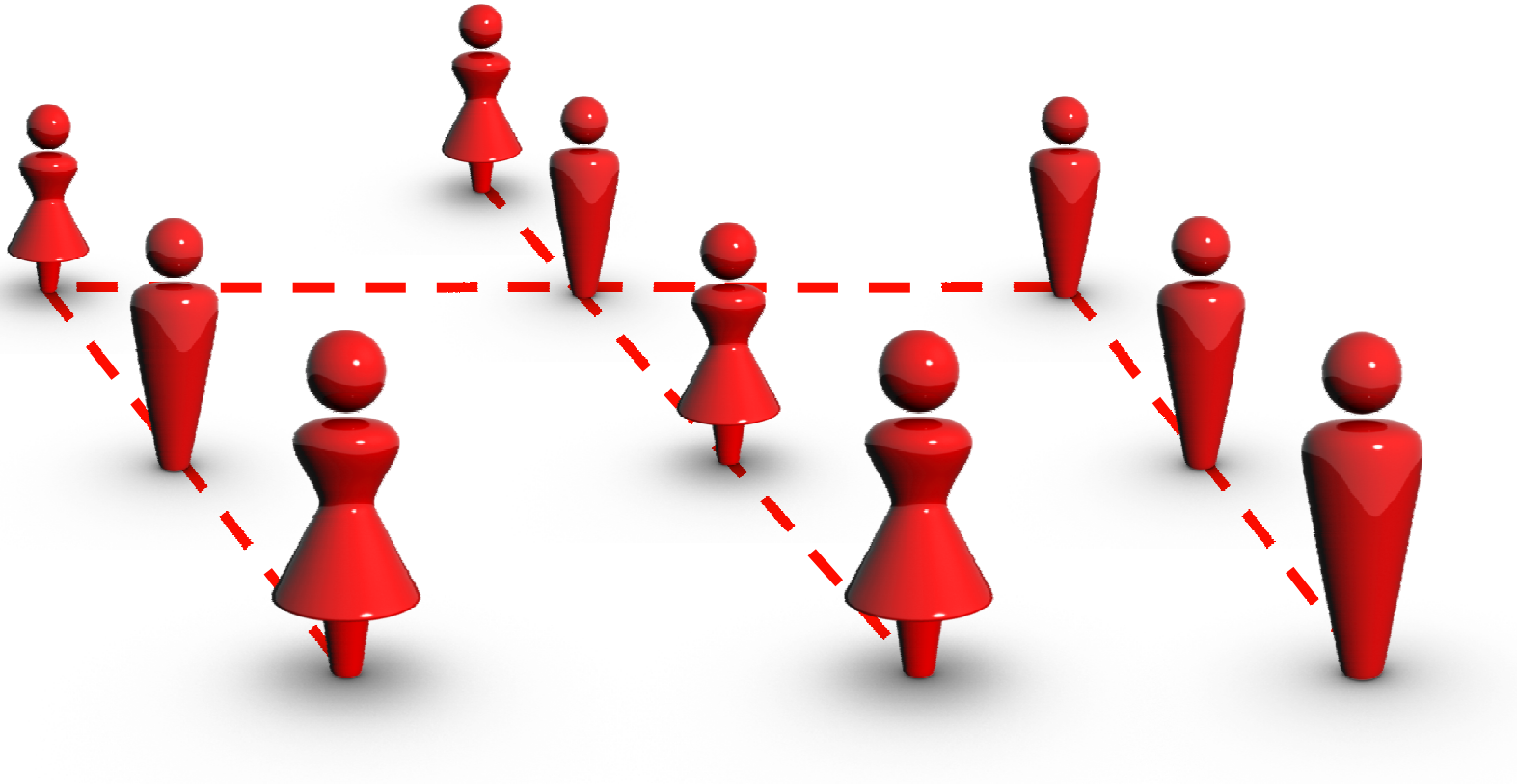
Plinio Arbizu
Consultor Senior – Global Business Solutions Perú
Oracle ACE Director
Noviembre 2009

Vince Casarez
Billy Cripe
Jean Sini
Philipp Weckerle



All Good Ideas Come From The Top

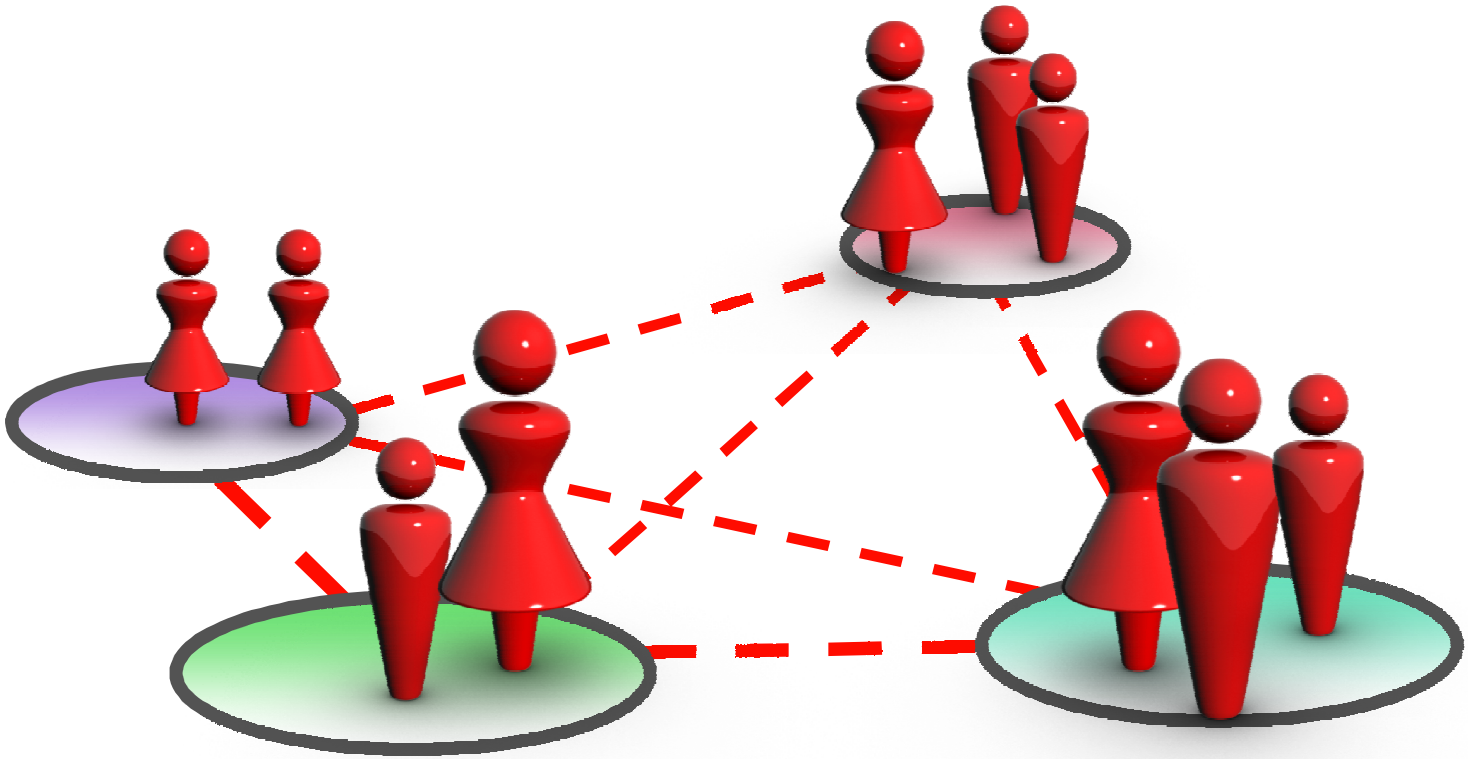
Employees are organized hierarchically…



Traditional Models Haven't Changed…

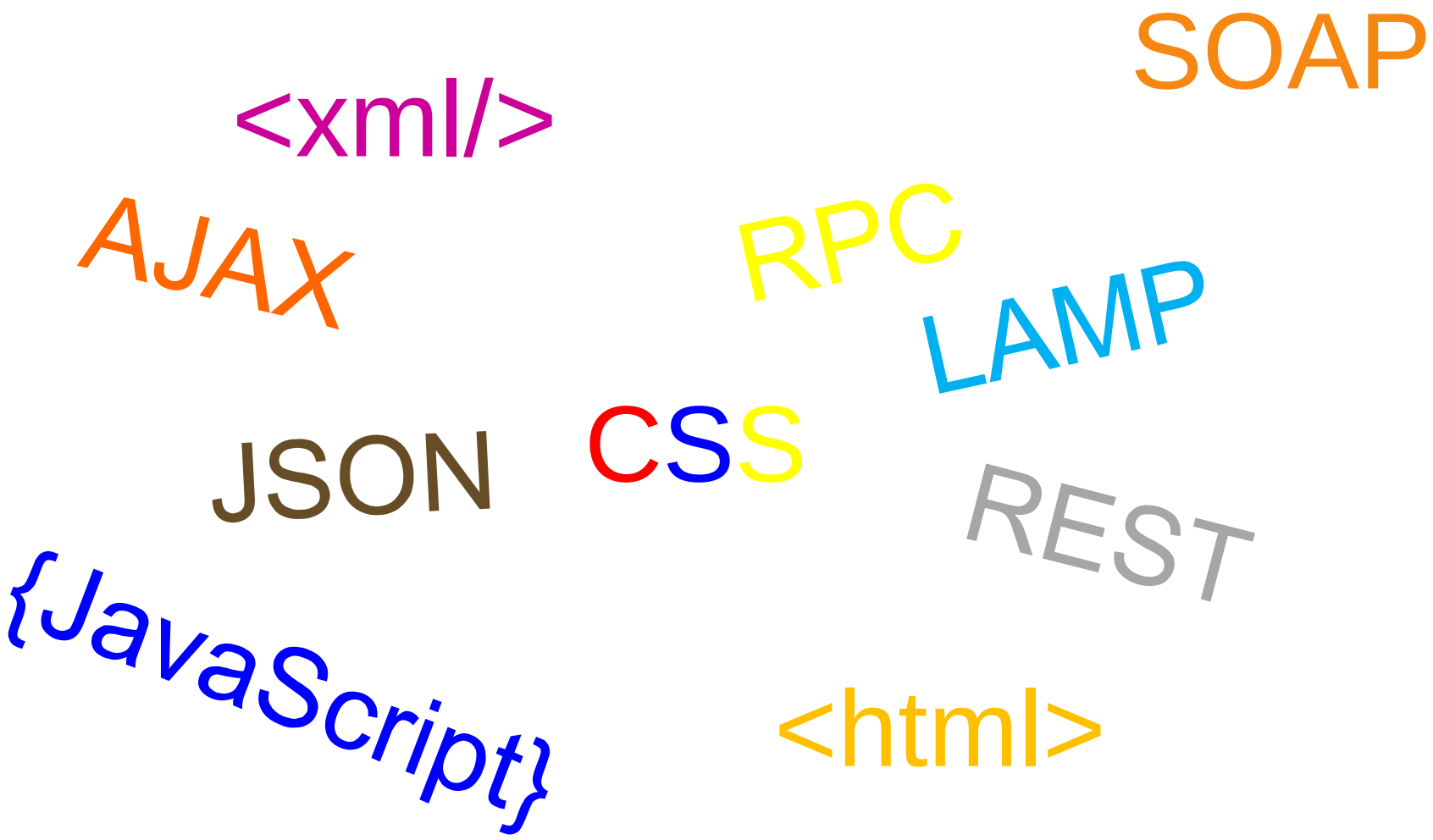
(Except, We've Changed…)

But work through social networks



Faster CPU

Scripting & API Advances



Ubiquitous Connectivity

Enterprise 2.0

- Flat Organization
- Ease of Organization Flow
- Agility
- Flexibility
- User-driven technology
- Bottom up
- Distributed
- Teams are global
- Transparency
- Information systems are emergent
- Simple
- Open
- On Demand
- Short time-to-market cycles

Enterprise 2.0

- Web as a Platform
  - Web based dynamic UI
  - Composition and BI mashups
- Read / Write Web
  - Audio and Video in business
  - Knowledge Networks
  - Search, Tagging and Metadata
- Social Web
  - Blogs for information dissemination
  - Discussion forums and sites
  - Project based wiki’s

Enterprise 2.0 Platform

- Rich experience
  - Ajax, Video, IM, VOIP, location, devices
- Content and community support
  - Blogs, discussion groups, Wiki's
  - Document, Content and Collaboration Management
- Security and search
  - Logon, IdM, local and global search, tagging
- Web delivery, Local and Hosted
  - SaaS
  - In house, Hosted and Managed

Traditional Portal

Proprietary knowledge

Passive users

Static Sites

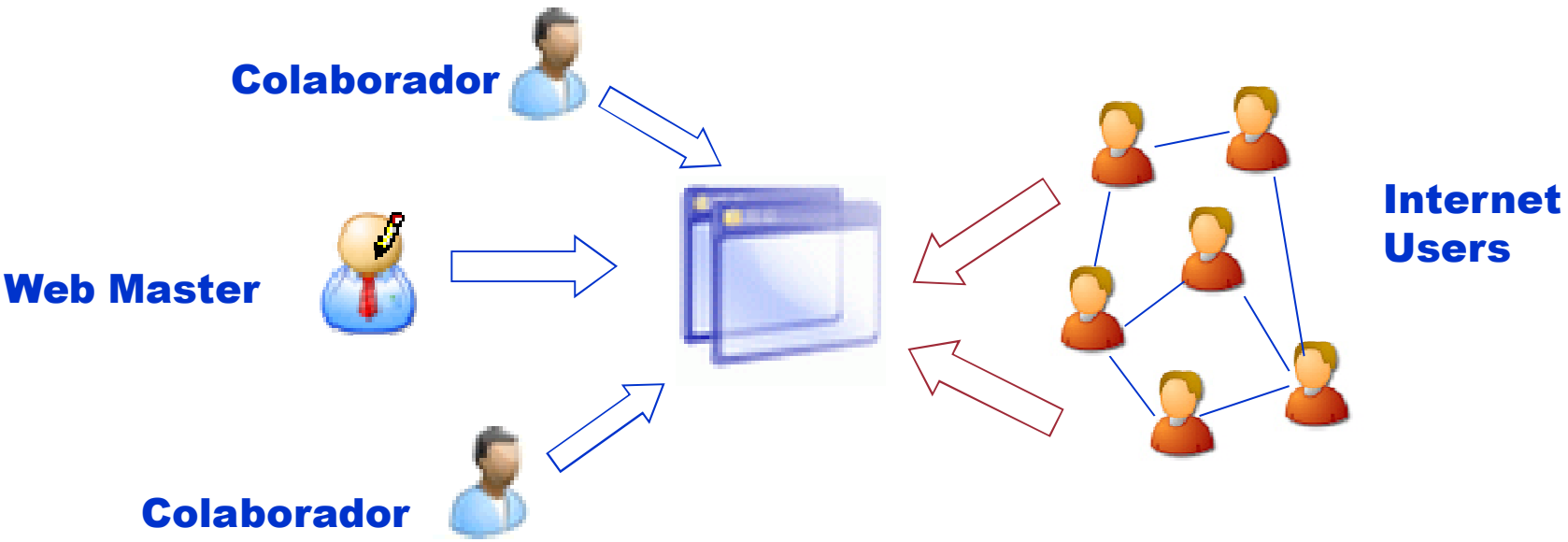
High Skill (HTML)

Limited Resources

Enterprise 2.0

Active Users

Collective Intelligence



Easy and Dynamic Sites

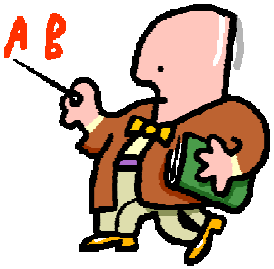
A Lot of resources (Gigas)

Enterprise 2.0

Partners

Communicate

Customers



Share

Enterprise 2.0

Participate

Suppliers

Collaborate

Employees

Comprehensive, Open Enterprise 2.0 Portal

ORACLE FUSION MIDDLEWARE

- Oracle WebCenter Services
- Oracle Content Server*
- Oracle Secure Enterprise Search*
- Oracle Presence *
- Oracle BPEL Process Manager*
- Oracle WebLogic Portal
- WebCenter Interaction
- WebCenter Collaboration
- WebCenter Application Accelerator for .NET
- WebCenter Console for Microsoft SharePoint
- WebCenter Web Control Consumer for .NET
- WebCenter Content Services for Lotus Notes / MS Exchange / Documentum / MS Files
- WebCenter Interaction Identity Service: LDAP / Active Directory

Former BEA products

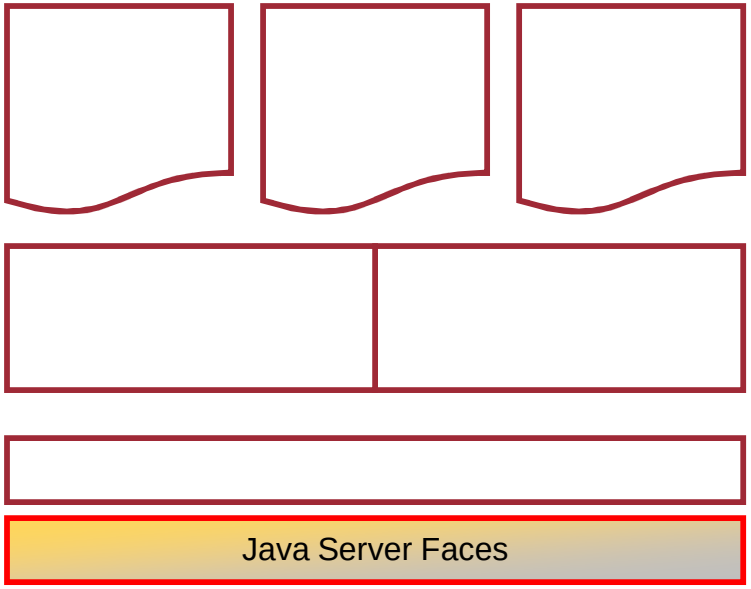
Oracle WebCenter Suite

Oracle WebCenter Suite 11*g* is the industry's most comprehensive enterprise portal platform designed for business users and IT, and unified with business applications, Enterprise 2.0 services, and social communities.

WebCenter Development

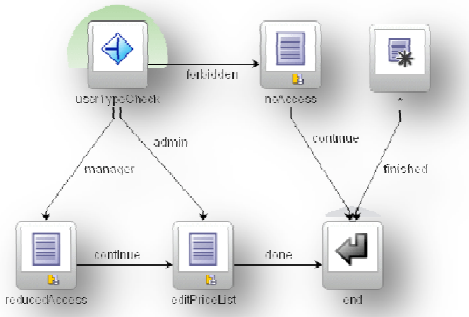
JavaServer Faces

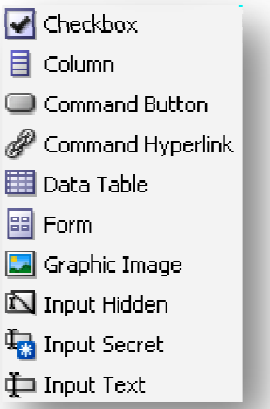
- MVC-based development framework with simple page flow model
- Component-oriented development; Developer roles:
  - Component developer
  - Application developer
- Application developer focuses on UI, rather than markup
- IDE support: declarative development, Drag'n'Drop

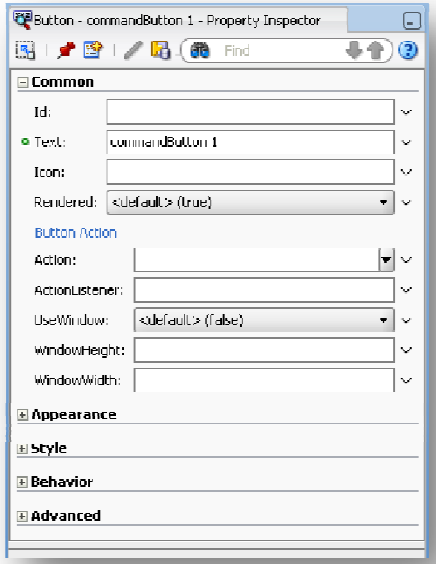


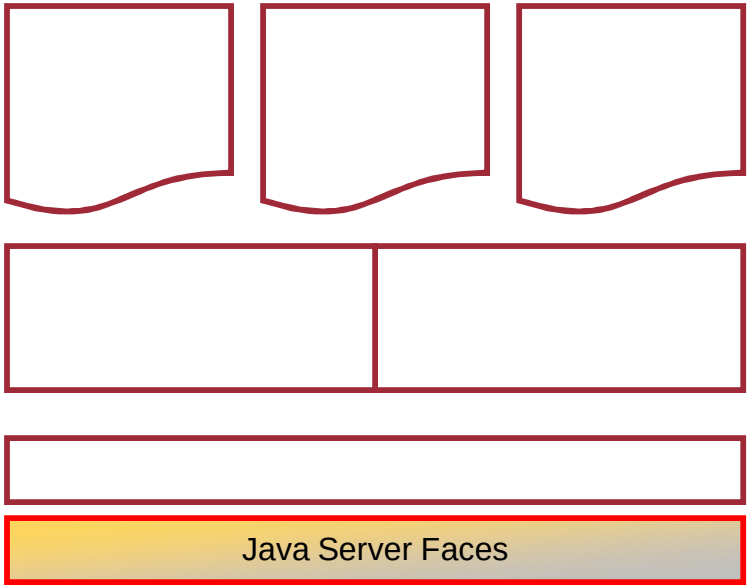
WebCenter Development

JavaServer Faces



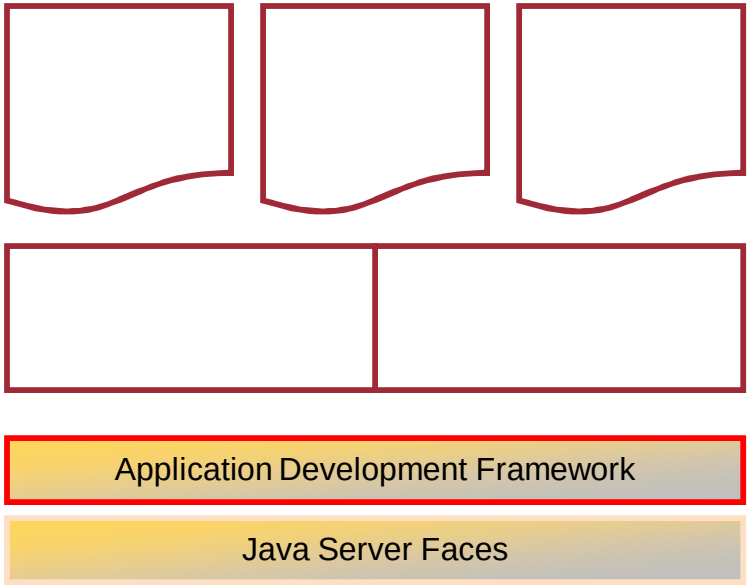






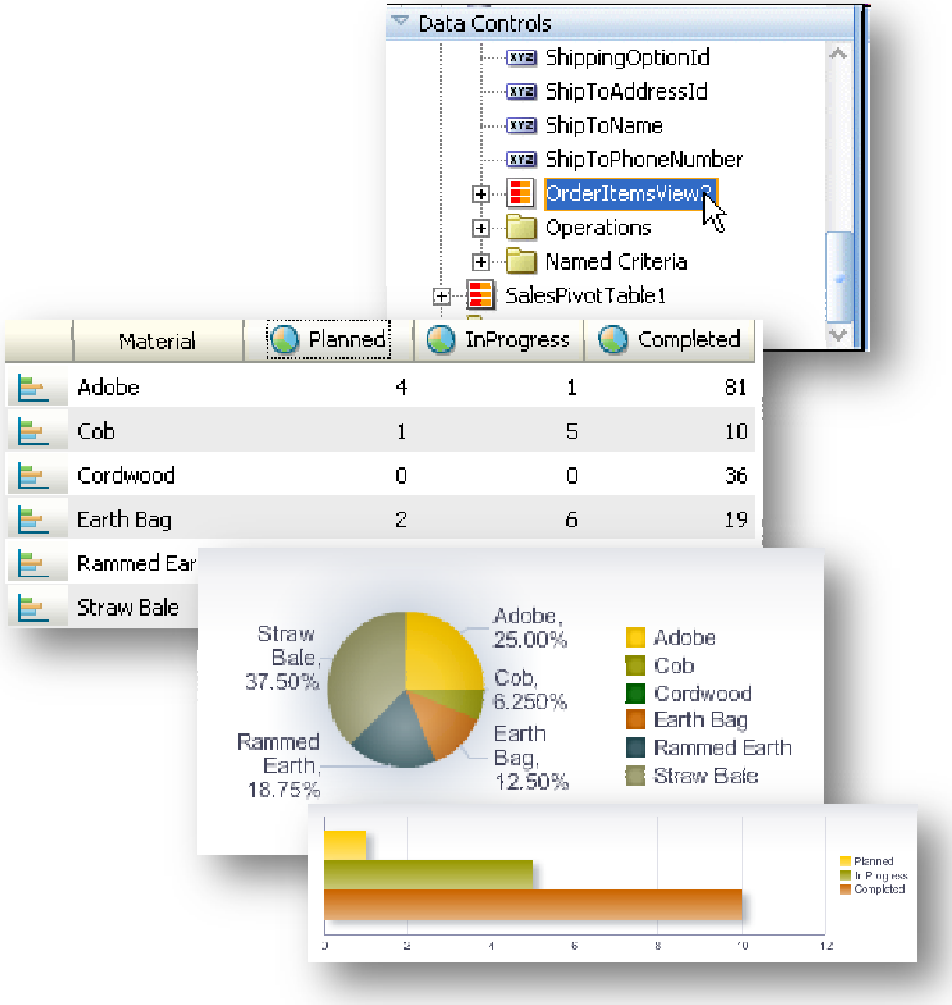
WebCenter Development
Application Development Framework

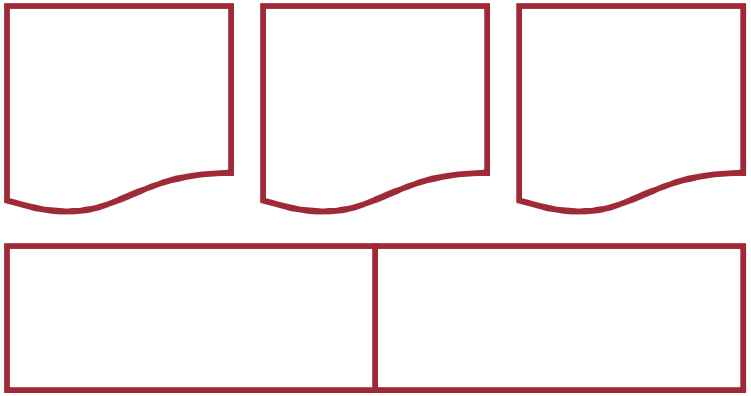
- Productivity layer on top of JSF
- Unified access to back-ends:
  - Databases, Web services, XML, CSV, BPEL, …
  - Data binding (JSR 227): connecting UI with back-end with data controls
- 100+ data-aware JSF view components
- Native component model: task flows
- Fine grained JAAS security model



WebCenter Development

Application Development Framework

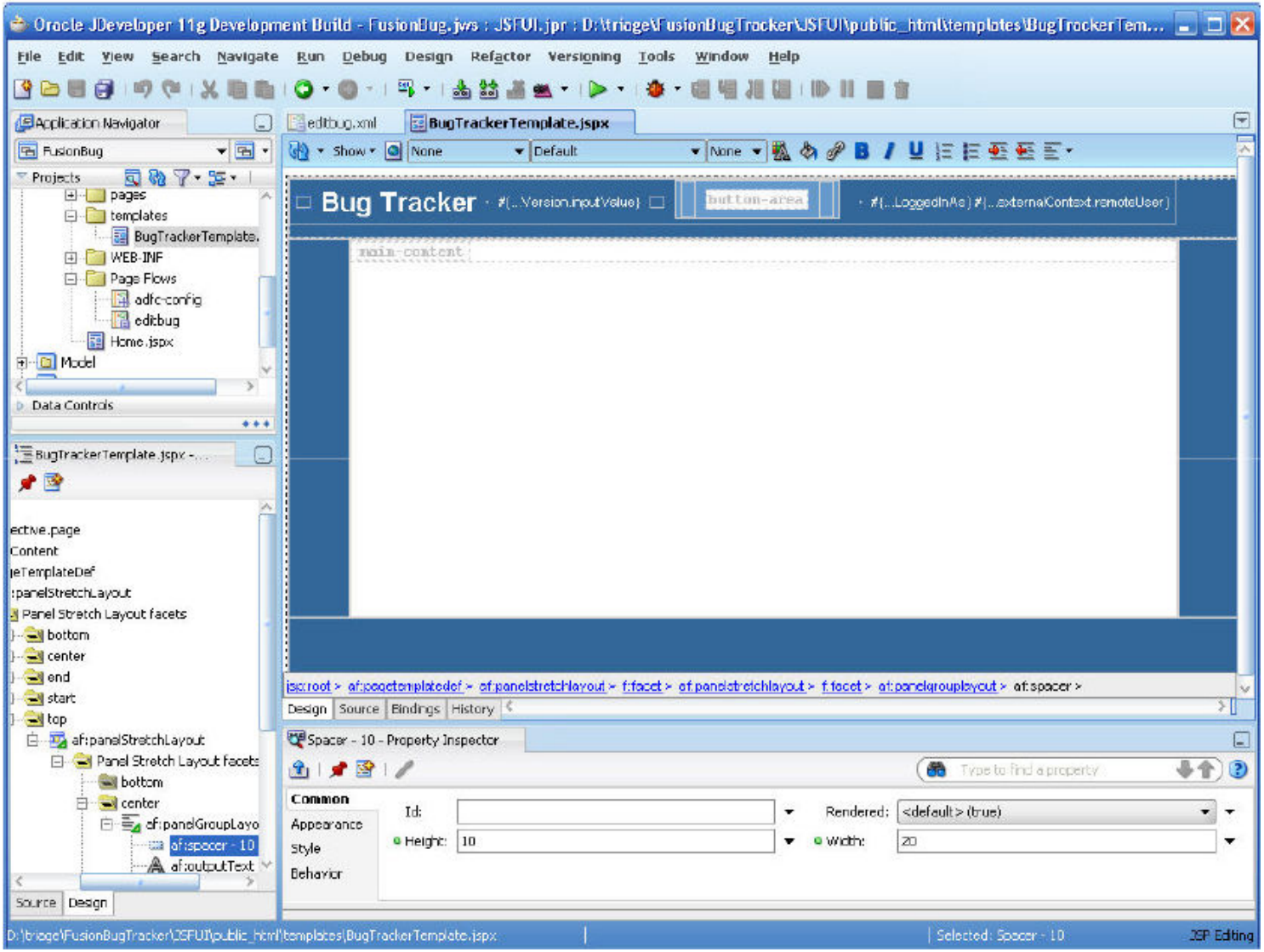




Application Development Framework

Java Server Faces

Page Templates

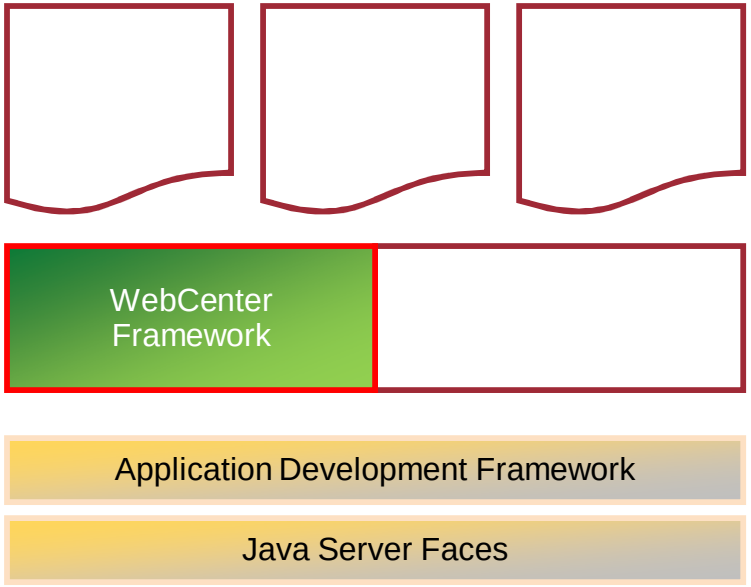


WebCenter Development

WebCenter Framework

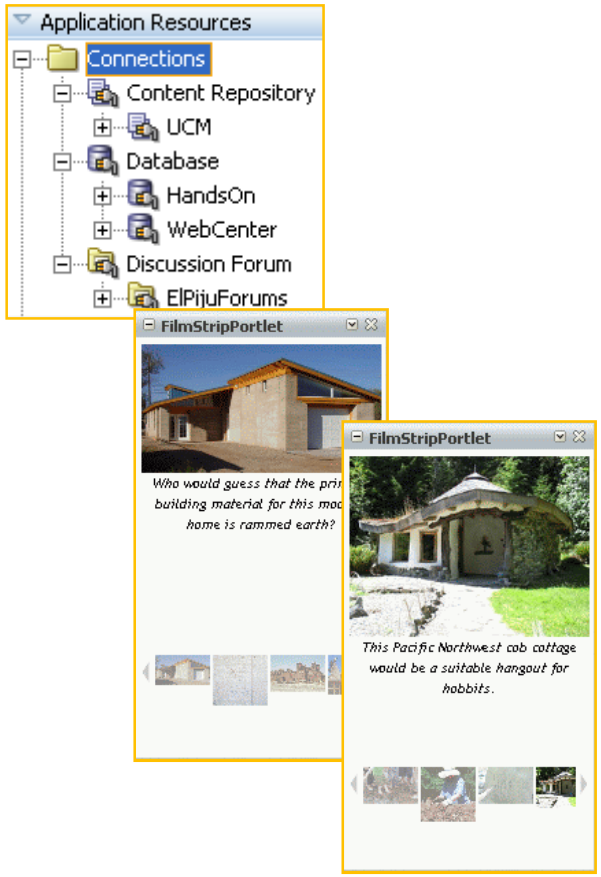
Injects portal capabilities into ADF

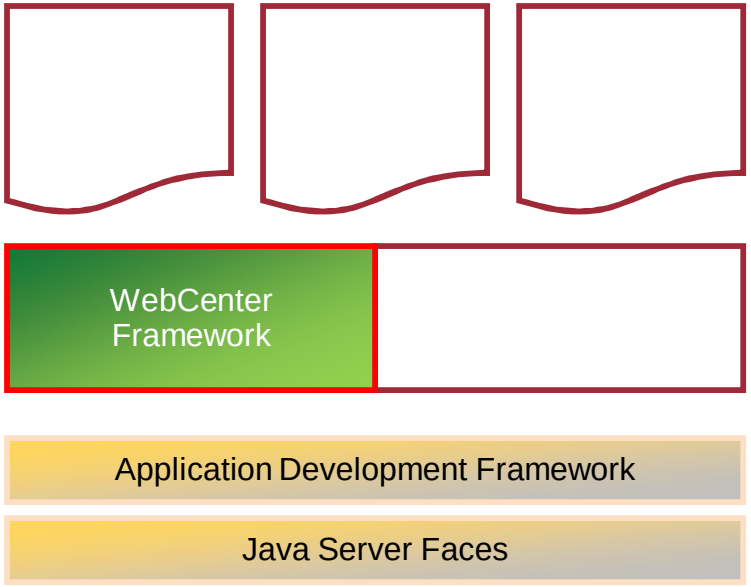
- Runtime customization: make changes to the application in-place without re-deploying it
- Portlets: JSR 168/WSRP, PDK-Java
- JSF-Portlet Bridge: Oracle drives JSR 301: expose JSF pages and ADF task flows as standards-based portlets
- Content Integration: JCR (UCM, File System, Oracle Portal, Documentum, Sharepoint, Lotus, …)



WebCenter Development

WebCenter Framework

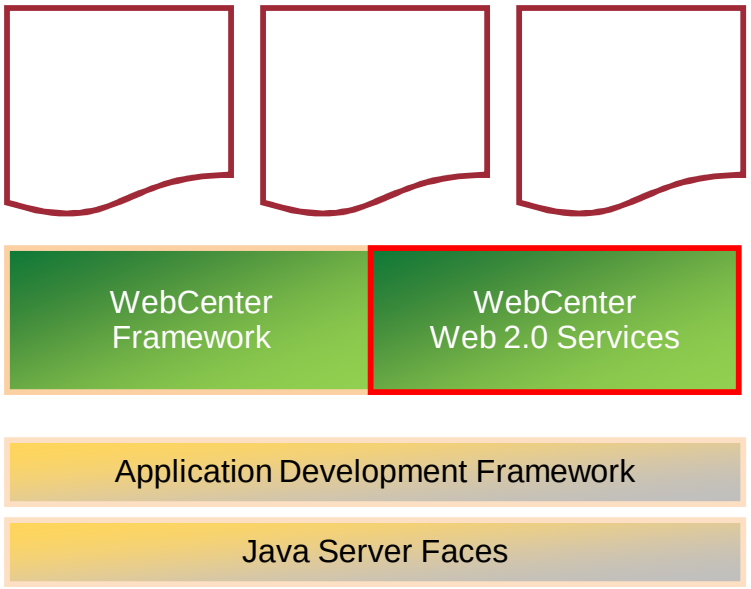




WebCenter Development

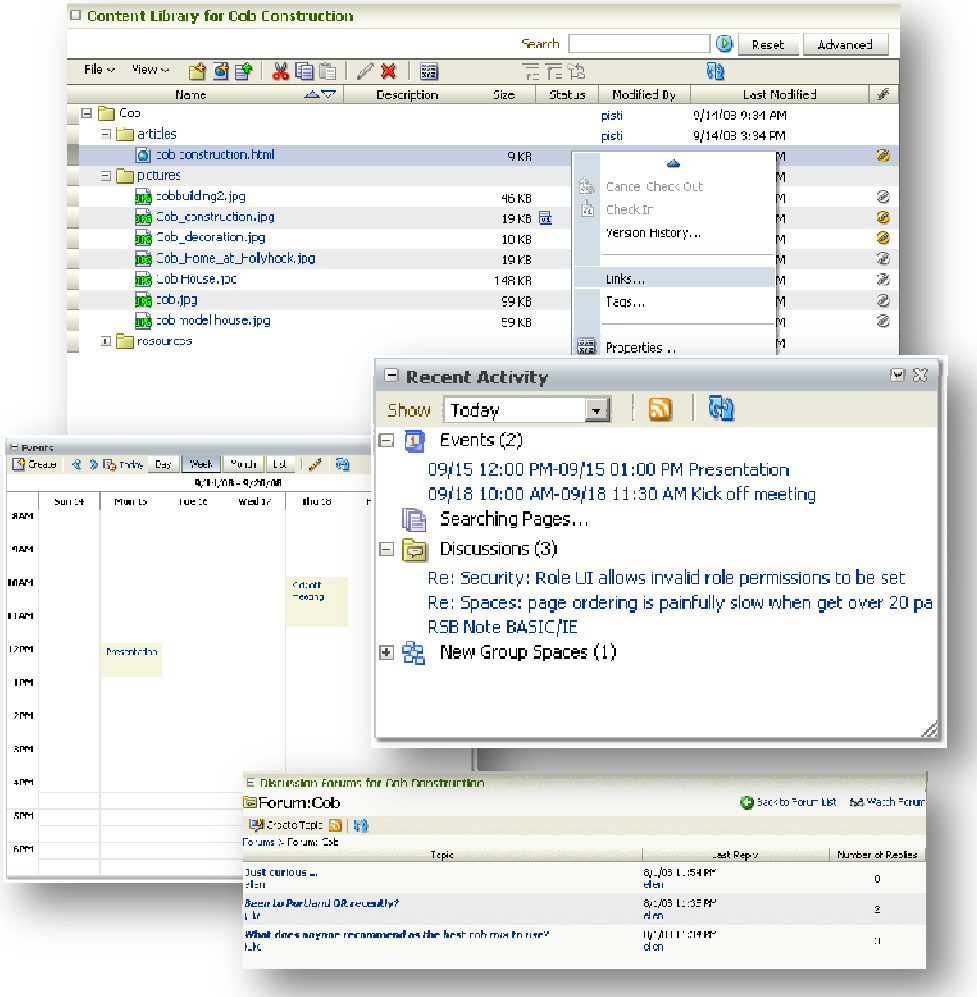
WebCenter Web 2.0 Services

- Seamless integration with enterprise level Web 2.0 services
- Thin adapter layer to abstract back-end services; examples:
  - Presence Adapter: Oracle Presence, MS Live Communication Server
  - Email Adapter: IMAP, MS Exchange
- Back-end systems represented by unified connection architecture
- UI presented by rich task flow components



WebCenter Development

WebCenter Web 2.0 Services



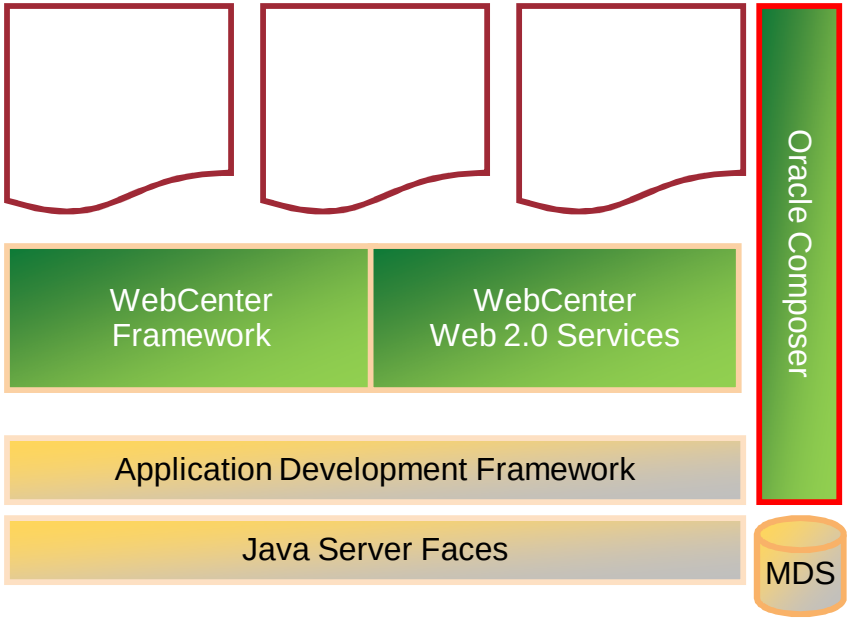
Application Development Framework

Java Server Faces

WebCenter Development

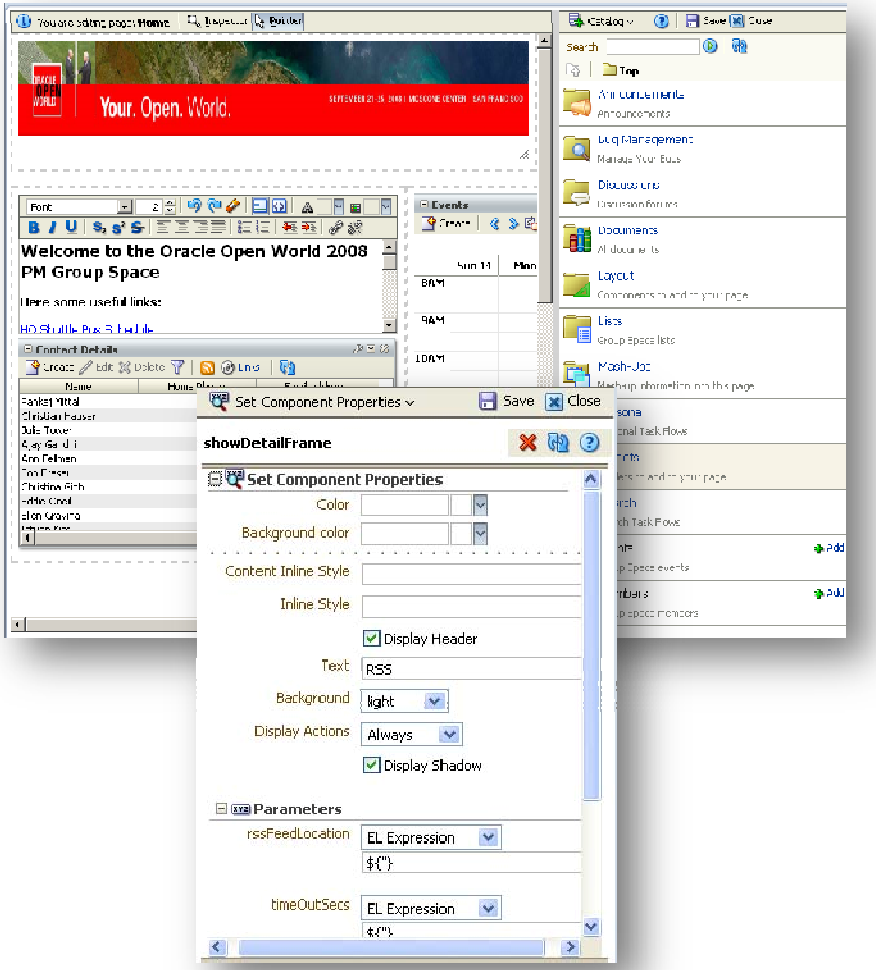
Oracle Composer

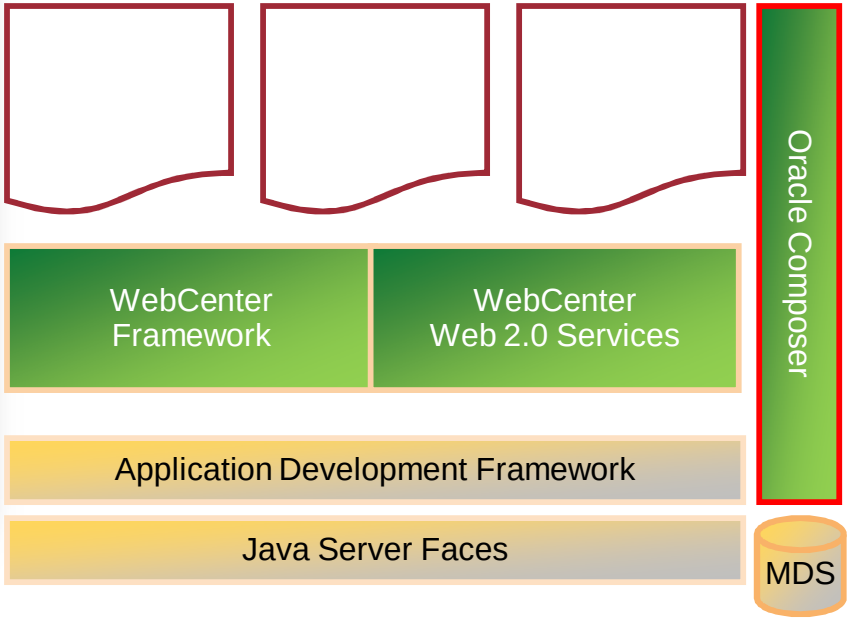
- Runtime customization performed in the browser, in-place
- Targeting the business user:
  - Drag and drop
  - Rich, intuitive user experience
- Typical operations
  - Browse and add resources to pages
  - Re-arrange page layout
  - Set page and component properties
  - Contextual wiring of components



WebCenter Development

Oracle Composer

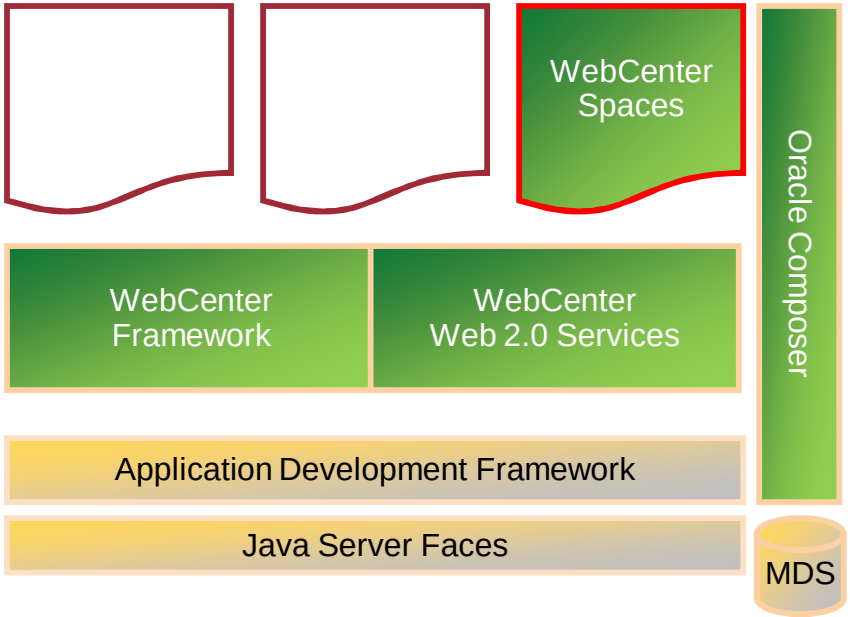




WebCenter Development

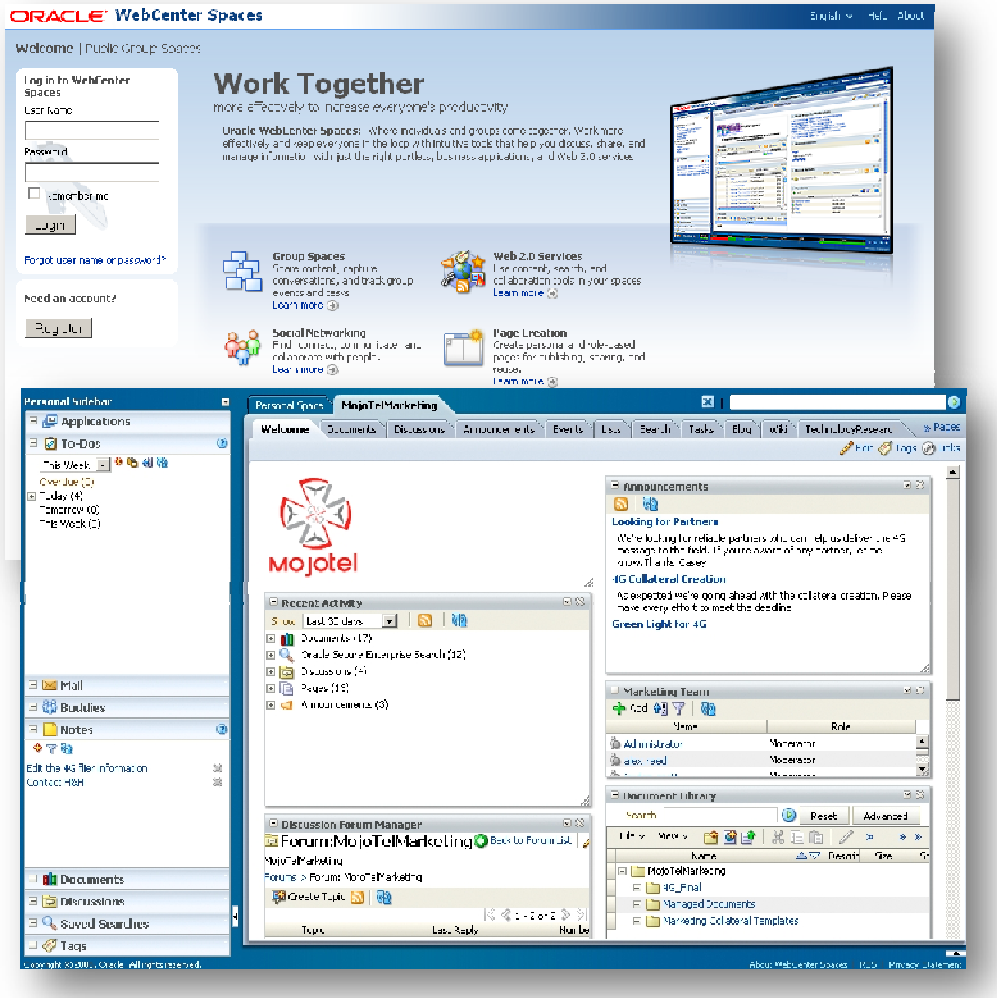
WebCenter Spaces

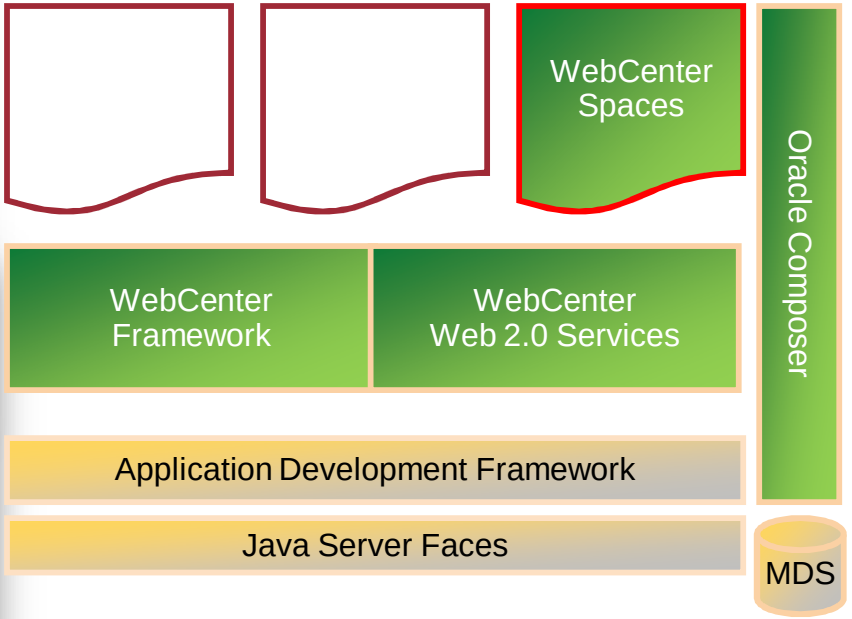
- Community-focused application
  - Browser-based
  - Targeting the business user
- Built on top of JSF, ADF, the WebCenter Framework, Services, and Composer
- Personal Space: personal productivity environment
  - Email, Notes, Personal To-Dos
- Group Space: rich team collaboration platform
  - Threaded discussions, Blogs, Wikis, People connections, Worklists, Announcements, RSS, Recent Activities, Search, …



WebCenter Development

WebCenter Spaces

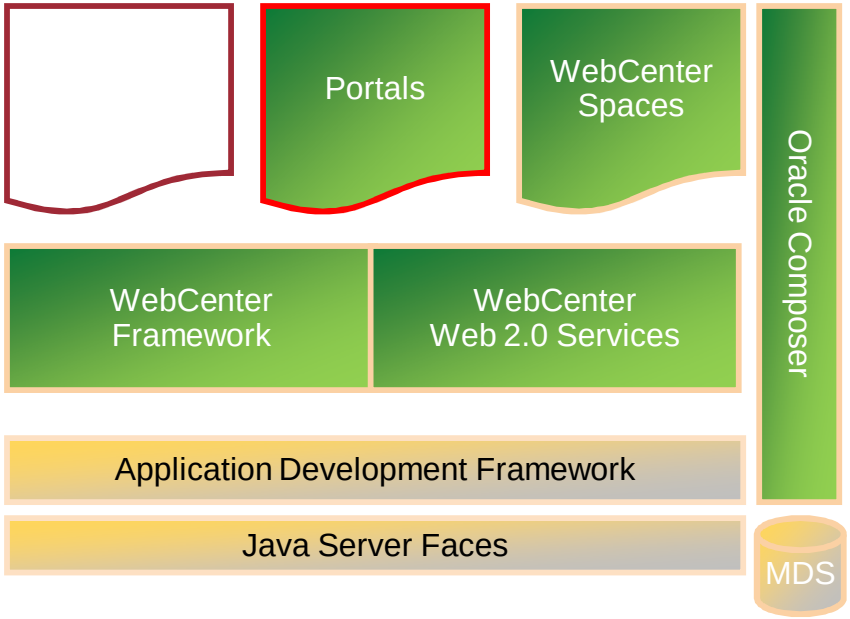




WebCenter Development

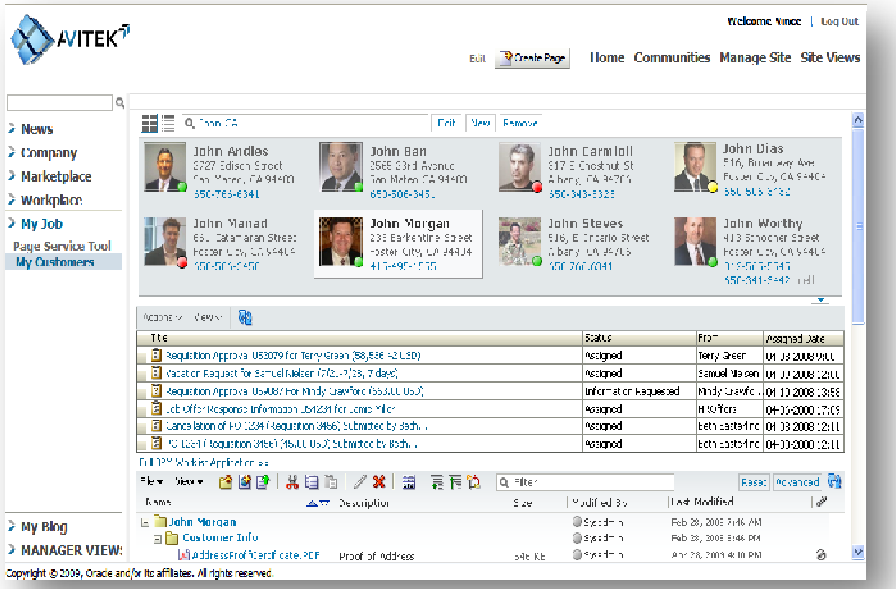
Portals

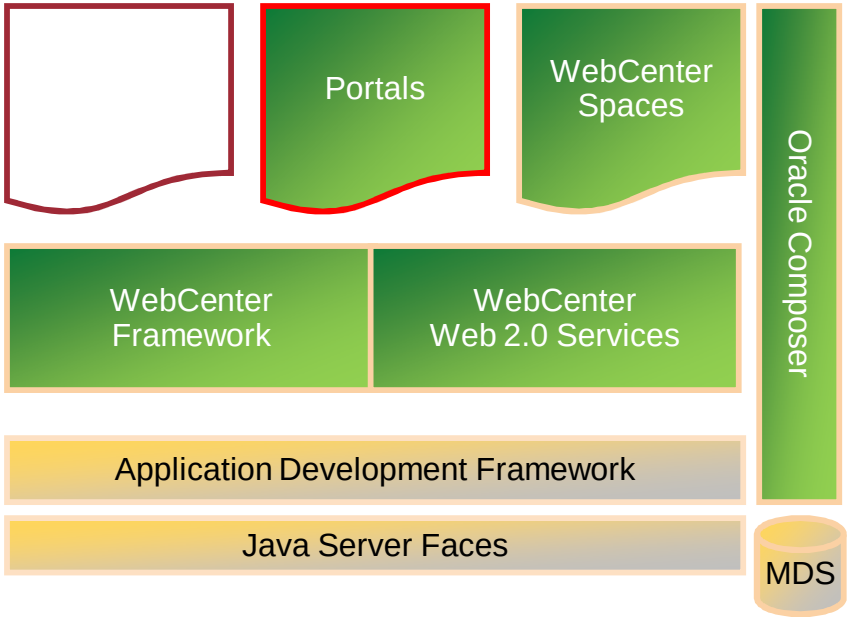
- Complete enterprise portal platform
- Full support for portlet standards:
  - JSR 168, WSRP 1.0, WSRP 2.0, JSR 301
  - Rich inter-portlet and inter-component communication
- Integrated runtime page creation and management
- Dynamic page layouts and templates



WebCenter Development

Portals

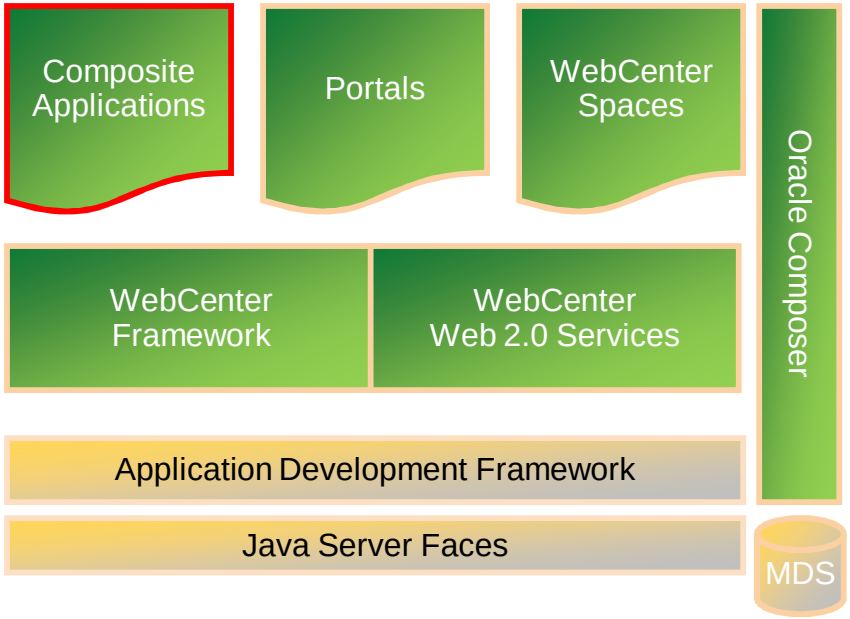




WebCenter Development

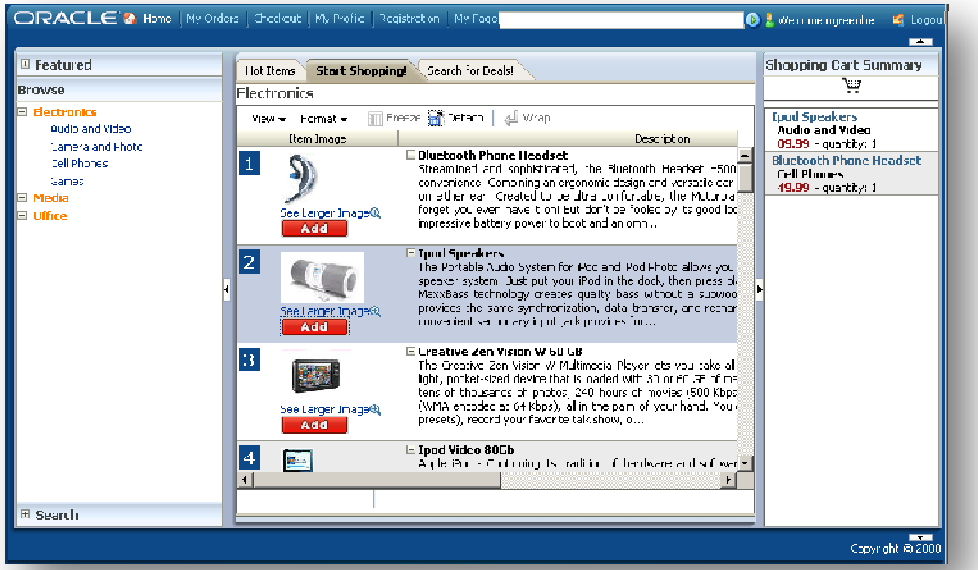
Composite Applications

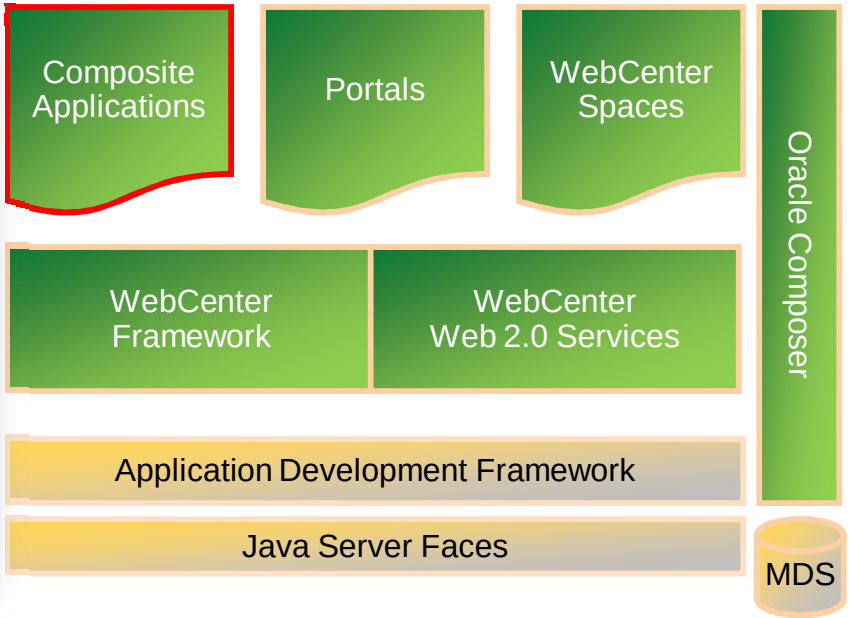
- Loosely coupled services
- Combining existing enterprise functions into a new application
- Heterogeneous enterprise repositories
- Tight integration with the SOA stack
  - BPEL
  - Worklist
- Integrated security framework
- Rich UI integration for SOA



WebCenter Development

Composite Applications

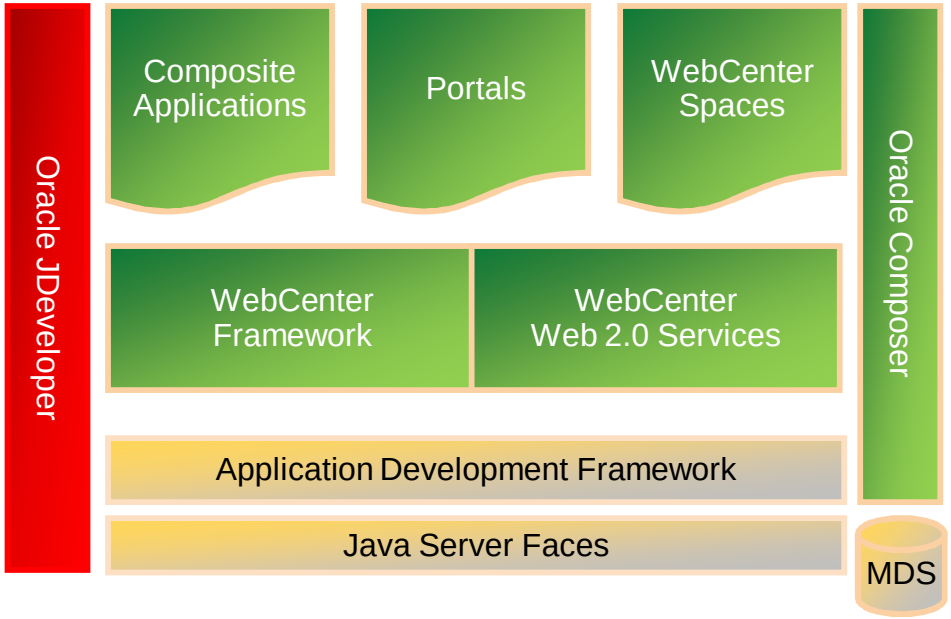




WebCenter Development

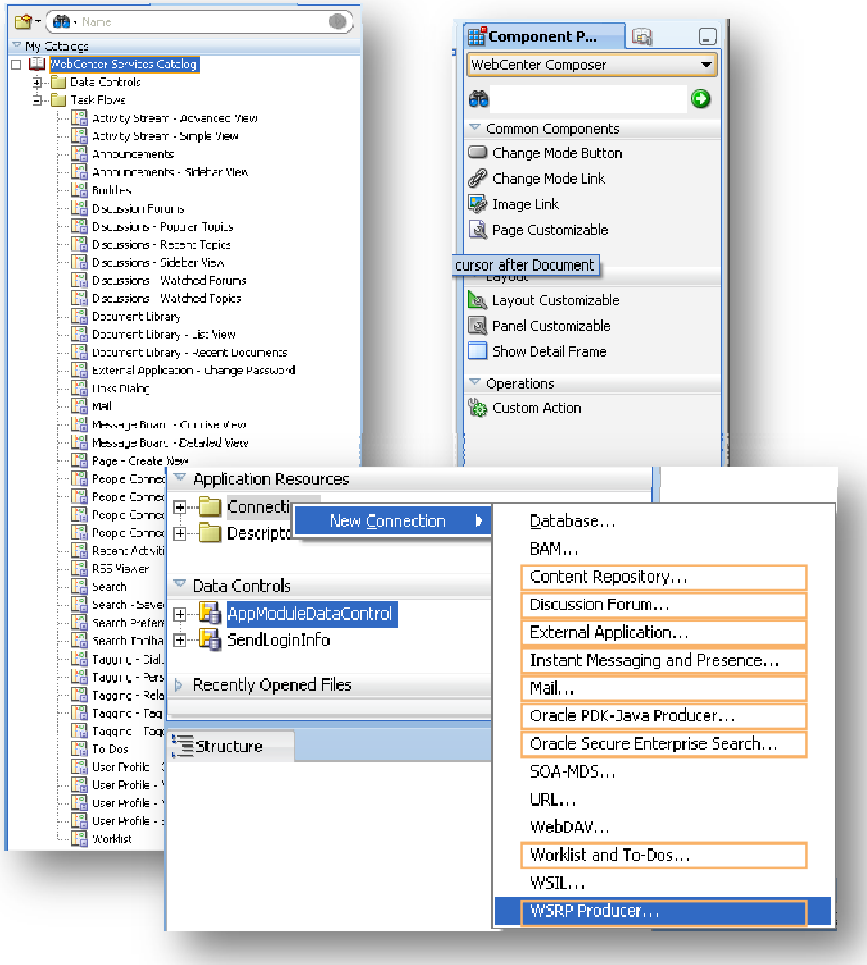
Integrated Development Environment

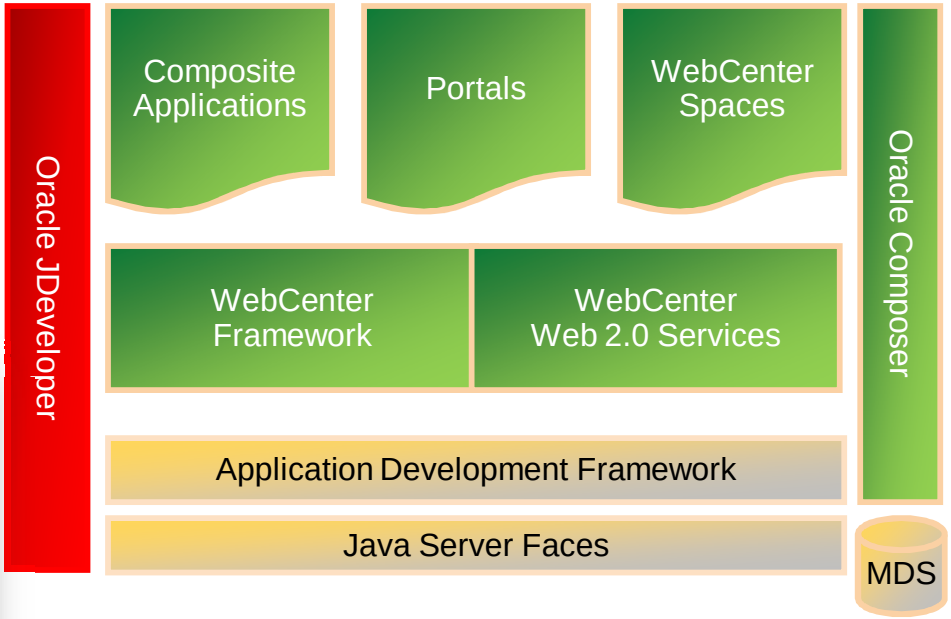
- Tightly integrated development platform
  - Connections
  - Task Flows
  - JSF View Components
- Consistent development, deployment, and management model across Fusion Middleware



WebCenter Development

Integrated Development Environment





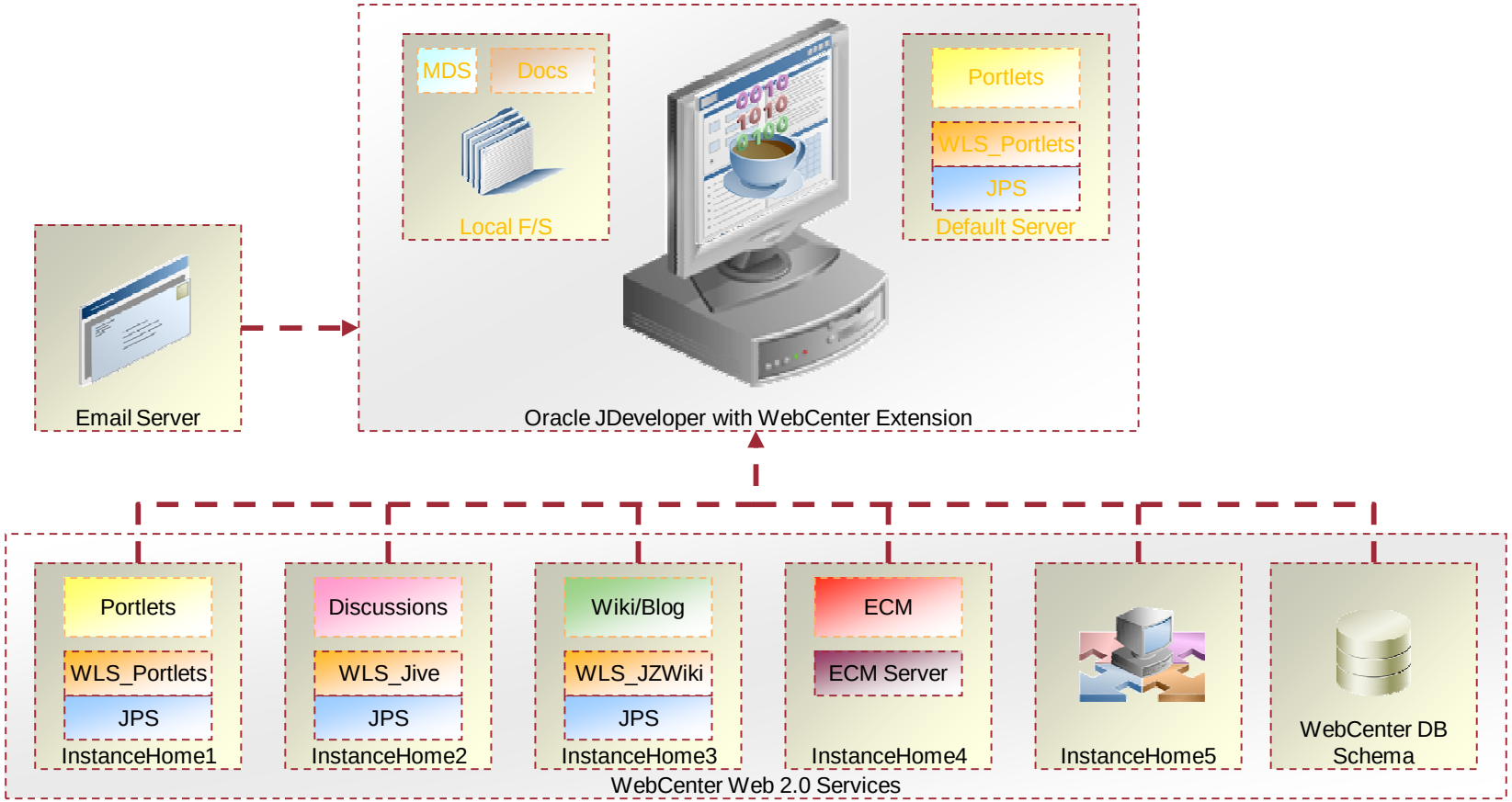
Demo

http://127.0.0.1:7101/avitek/?_afrLoop=4891684371407 - Windows Internet Explorer
File Edit View Favorites Tools Help
Welcome monty | Logout
Edit Page Manage Site Change Layout
News Company Marketplace Enterprise Reporting Dashboards My Jobs
Corporate
Marketing
IT
Support
Sales
VOICE
INTERNET
DIGITAL TV
DATA STORAGE
May 08, 2009
Net-atHome
The Net-atHome™ event, is a two-day conference and exhibition focusing on the domain of the networked home. Keynote topics include the latest wireless technologies, backup and storage, tips for streaming video, and more.
May 27, 2009
Now Campaign Launch
Hear about the launch of our new exciting campaign, now
June 19, 2009
Mobile World Congress
April 18, 2009
ATV News Live
Now
News
Avitek Enables School District to Track Bus, Boost Student Safety and Decrease Costs.
Houston, Texas, April 28, 2009
Avitek Positioned in the Leaders Quadrant in 'Magic Quadrant for Asia/Pacific Network Service Providers' Report
Hong Kong, China, April 27, 2009
Avitek Communications Reports Revenue, Earnings and Cash Flow Growth in 1Q 2009
New York, US, April 15, 2009
Internet | Protected Mode: On
100%
Start
04:37 p.m.

Typical Development Topology

Stand-alone JDeveloper

- JDeveloper + Optional Web 2.0 Services



- OTN: http://webcenter.oracle.com
- Peter Moskovi: http://pmoskovi.wordpress.com/
- Latin America Jdeveloper Group: www.JdeveloperLa.com

More Information

Questions..

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