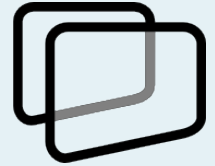




Stop Swivel Chair Integration with the JBoss Enterprise Portal Platform

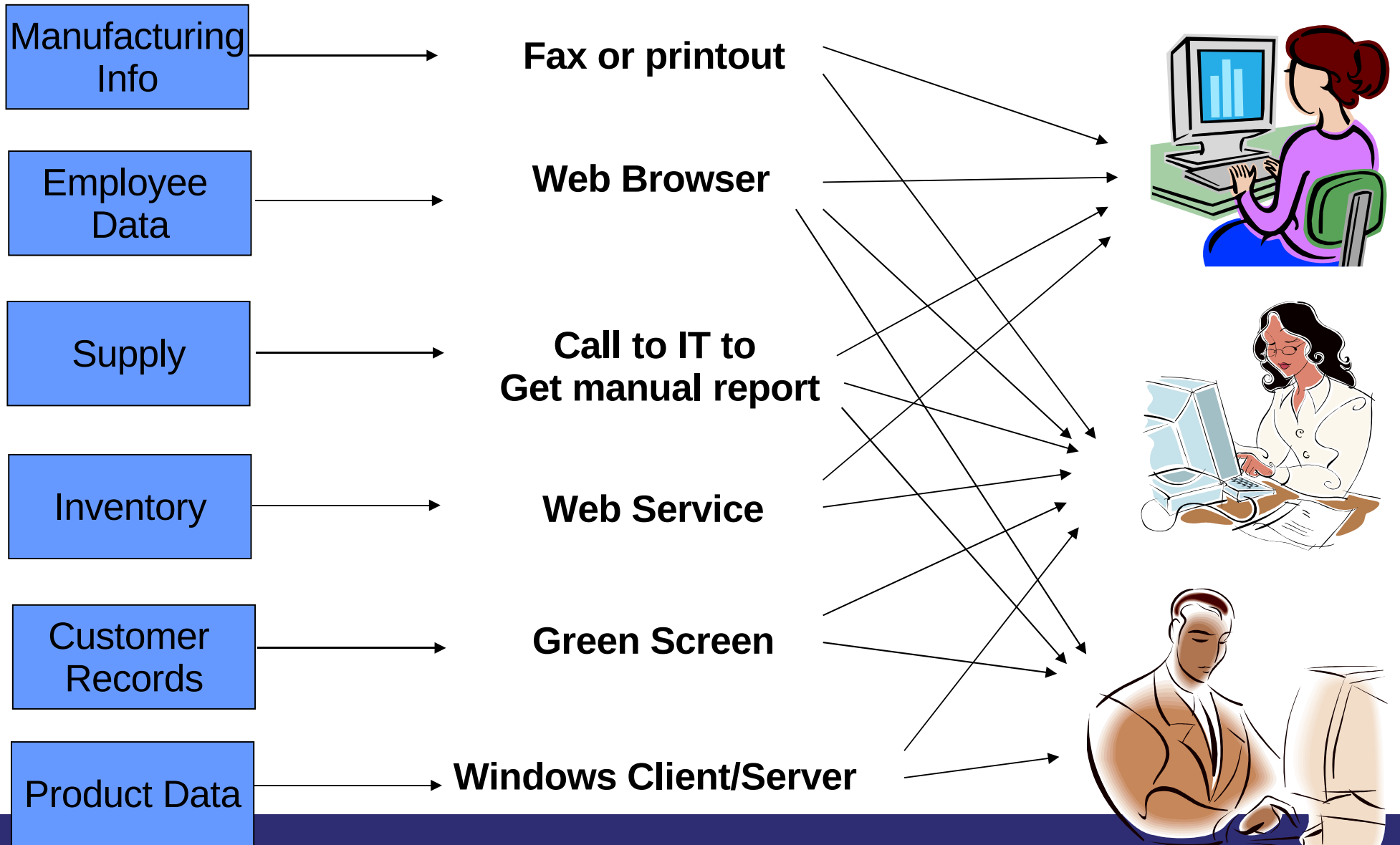
Kevin Barfield
Solutions Architect, JBoss

JBoss[®] Portal

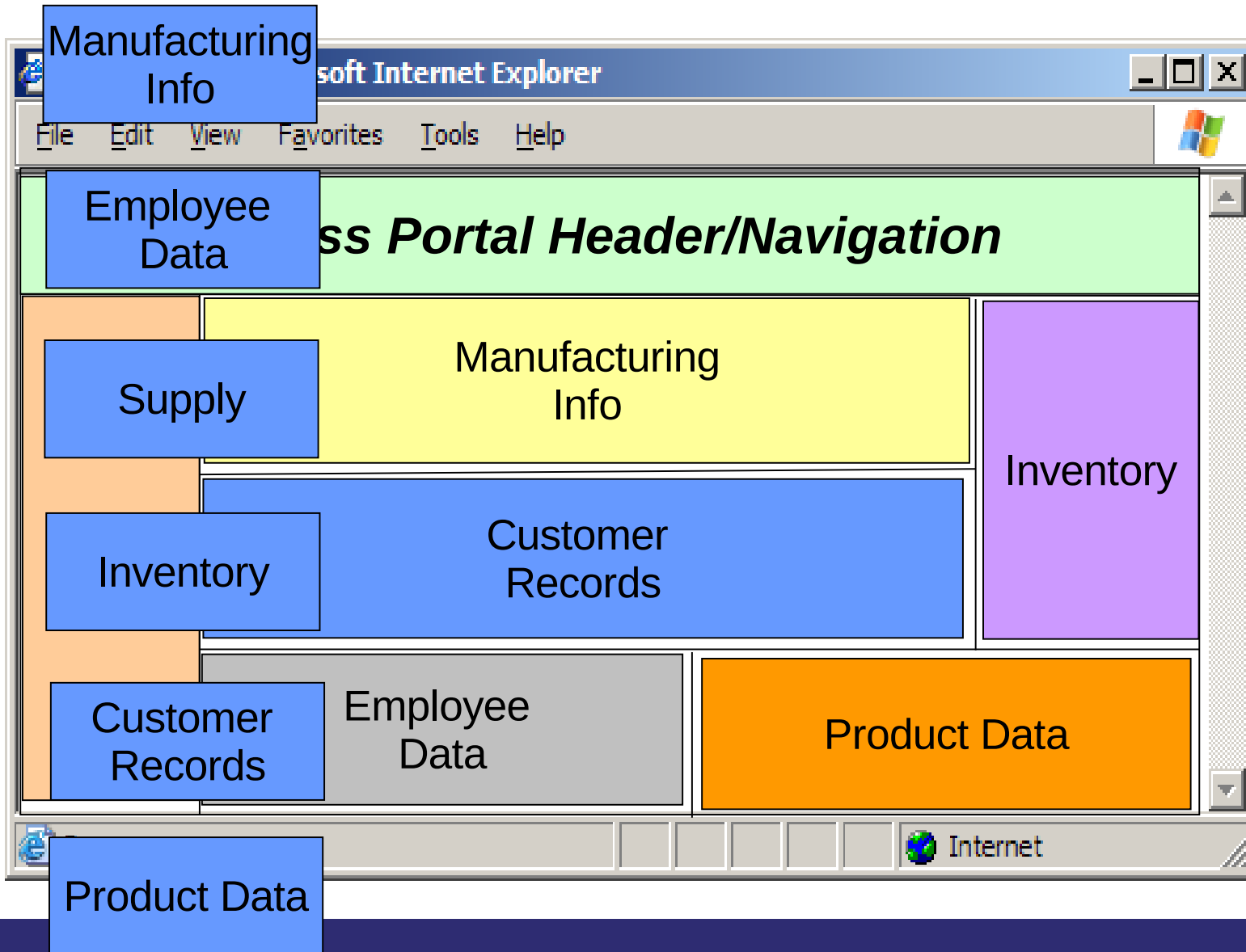


What is a portal ?

Today: "Swivel Chair" Integration



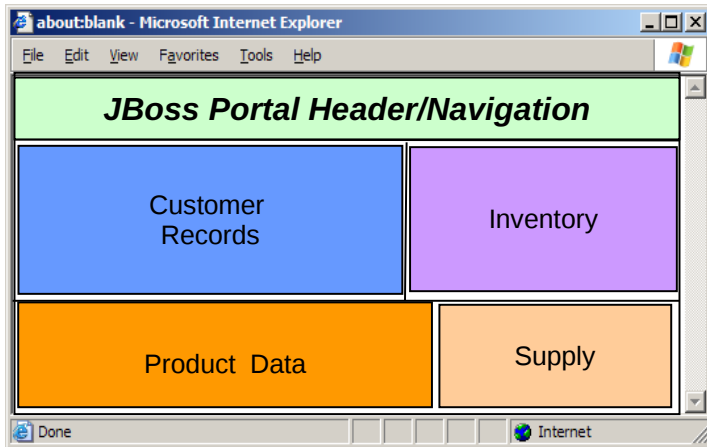
Portals provide **INTEGRATION and AGGREGATION**



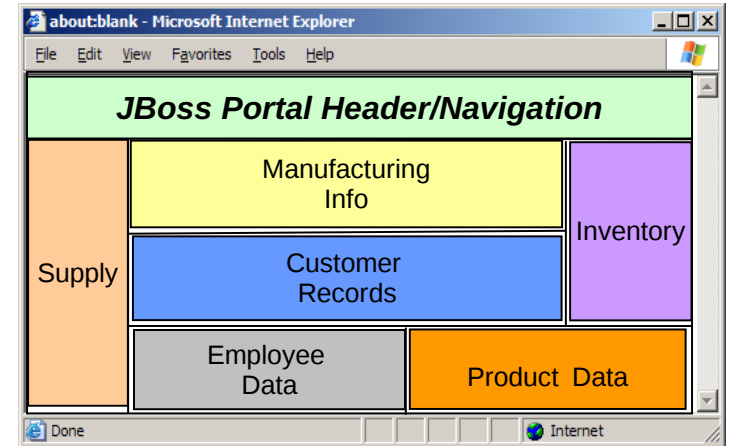
Portal Interface



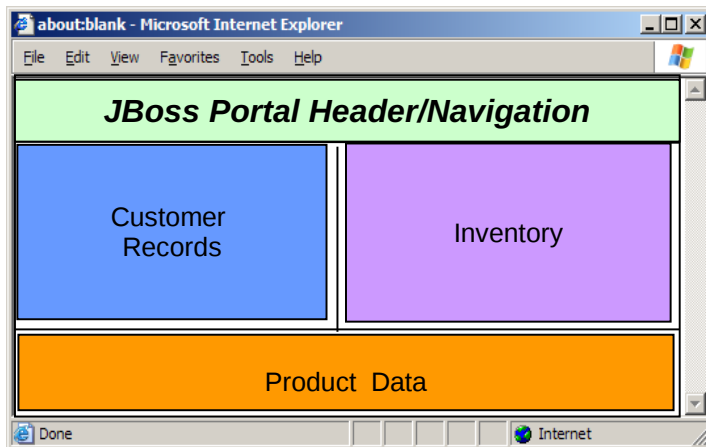
Portal Perspectives for different Users



CSR Portal



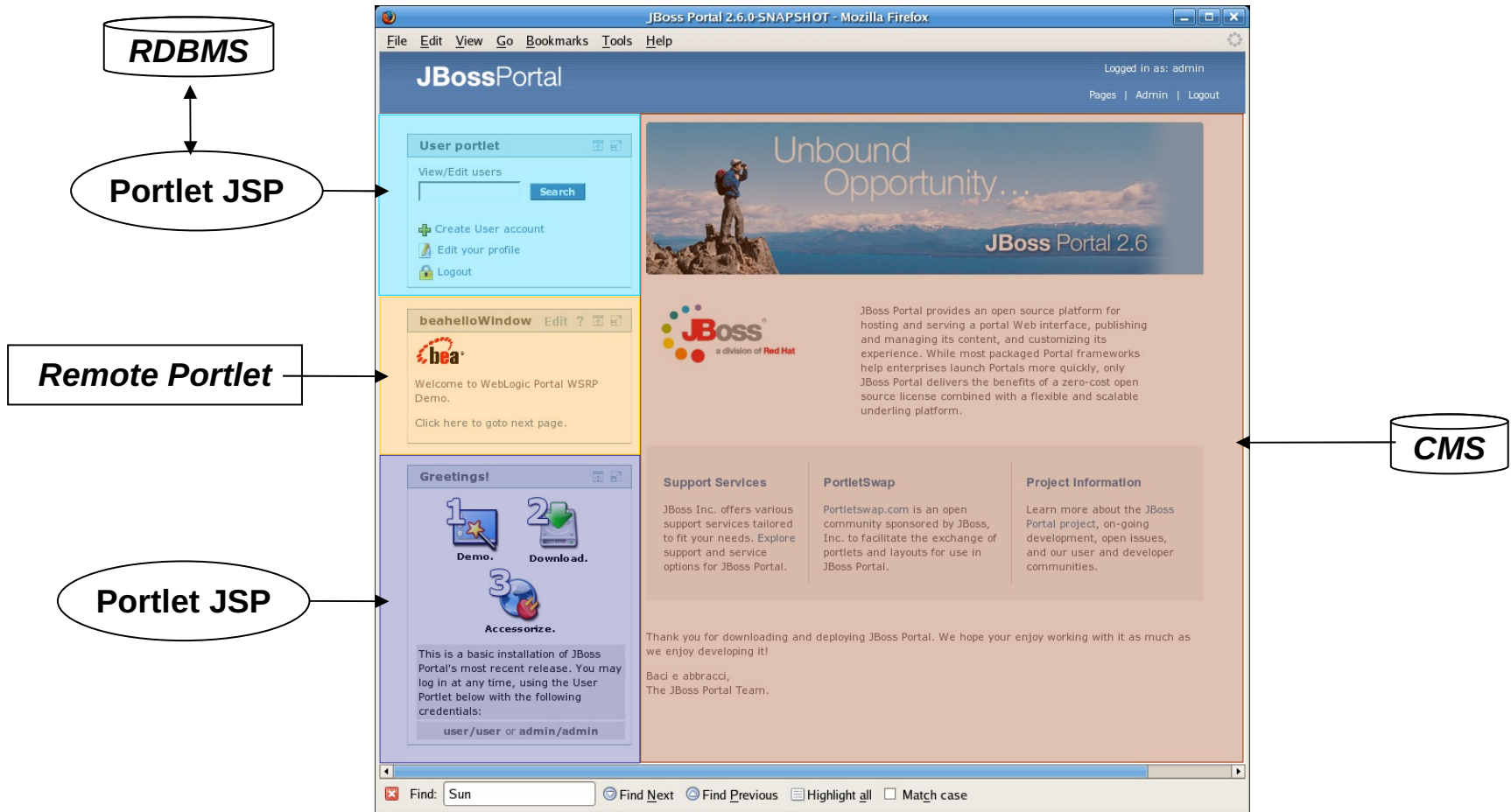
Manager Portal



Customer Portal



Portal Consumption



Why use a portal ?

Why not **just** use a 'regular' web framework ?

- Requires all components to be written using the same technology
- Enterprise environments, soon or later, deal with multiple technologies
- Some web frameworks have support for portals

Speed up deployment of a portal

- Existing standard portlets

Integration of different technologies

The screenshot displays the JBossPortal interface with a navigation bar at the top containing 'Home', 'News', 'Weather', 'Integration', and 'struts'. A 'Login' link is located in the top right corner. The main content area is divided into several portlets:

- User portlet:** Includes a 'Welcome' message, a 'Register' button, and a message stating 'You are currently not logged in.' with a link to create an account.
- Greetings!:** Features three numbered icons: '1 Demo.', '2 Download.', and '3 Accessorize.'. Below the icons, it provides login credentials (user/user or admin/admin) and a link to online documentation.
- WSRPWindow:** Displays the 'bea' logo and a welcome message to the WebLogic Portal WSRP Demo, with a link to the next page.
- HelloWorld JSF Portlet:** Contains input fields for 'First Name' and 'Last Name', and a 'Next' button.
- PHP Poll Portlet:** Shows a poll titled 'Which Portal do you prefer?' with two options: 'JBoss Portal' and 'The portal of JBoss'. It includes 'Vote' and 'View Results' buttons.
- Programme TV:** Displays a TV schedule for 'Mardi 22 Janvier 2008' with programs from channels like TFI, 2, 3, CANAL+, and arto.
- Bart Simpson Phrases:** Features a cartoon image of Bart Simpson with a speech bubble and a Google Ad for 'Die Simpsons - Der Film'.
- Struts MailReader Demo:** Shows the title 'MailReader Demonstration Application (Struts 1.2.4)' and a link to 'MailReader Demonstration Application Options'.

Integration of different technologies

The screenshot displays the JBossPortal interface with a navigation bar at the top containing 'Home', 'News', 'Weather', 'Integration', and 'struts'. A 'Login' link is located in the top right corner. The main content area is divided into several sections:

- User portlet:** Includes 'Welcome' and 'Register' buttons, and a message: 'You are currently not logged in.' Below this is a 'MyFaces JSF Portlet' with a 'Logout' button and the text 'You are logged out of your account.'
- Greetings!:** Features three numbered icons (1, 2, 3) with labels 'emo.', 'Download.', and 'Accessorize.' Below is a 'JSP Portlet' with instructions for installing JBoss Portal 2.6.3-GA and login credentials (user/user or admin/admin).
- WSRPWindow:** Displays the 'hea' logo and the text 'Welcome to WebLogic Portal WSRP Demo.' with a 'Click here to goto next page.' link. This is labeled 'WSRP Content'.
- HelloWorld JSF Portlet:** Contains input fields for 'First Name:' and 'Last Name:' and a 'Name' button.
- Sun RI JSF Portlet:** A poll titled 'Which Portal do you prefer?'. Options are 'JBoss Portal' and 'The portal of JBoss'. A 'Vote' button and 'View Results' link are present. This is labeled 'PHP Portlet'.
- Programme TV:** A 'Netvibes Widget' showing TV programs for 'Mardi 22 Janvier 2008'. It lists programs like 'La Cautidienne' (17:35 - 40 mn.), 'Rex' (17:10 - Serie de 45 mn.), 'Des chiffres et des lettres' (17:35 - 25 mn.), and 'L'île des âmes perdues' (16:25 - Film de 105 mn.).
- Bart Simpson Phrases:** A 'Google Widget' featuring an advertisement for 'Die Simpsons - Der Film' and a quote from Bart Simpson: 'Hey, it's a teddy bear...Ew! Gross! It's probably diseased or something...Here Maggie.' with a 'View More Bart Simpson Phrases' link.
- Struts MailReader Demo:** A 'Struts Portlet' showing 'MailReader Demonstration Application (Struts 1.2.4)' and 'MailReader Demonstration Application Options'.

Portals and SOA

Split your services

- Maintenance
- Lifecycle
- Technology independent

Split your web applications

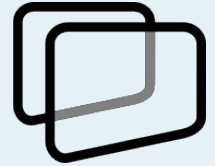
- Maintenance
- Lifecycle
- Technology independent

Don't split the UI !

- The user doesn't like to have to deal with multiple applications

A portal is a window on the services

JBoss[®] Portal



JBoss Portal overview

JBoss Portal State of the Union

Focus on core portal functionality

- Aggregation
 - Provides a standards-based environment for serving a portal's web interface and publishing/managing portal applications and content
 - Consistent look and feel
- Performance and scalability
- Centralized security
 - Single Sign On across elements of the portal
 - Identity manager
- Presentation framework (Portal vs Portlet level)

Standards based

JSR-168: Portlet Specification

- Final release: Oct 27th, 2003

JSR-286: Portlet Specification 2.0

- Proposed Final Draft: Dec 13th, 2007
- Red Hat Middleware LLC represented by:
 - Julien Viet (JBoss Portal project leader)

JSR-301: Portlet Bridge Specification for JavaServer™ Faces

- Early Draft Review 2: Sep 10th, 2007
- Red Hat Middleware LLC represented by:
 - Julien Viet (JBoss Portal project leader)
 - Wesley Hales (JBoss Portal)
 - Stan Silvert (JSF expert)

Standards based

JSR-170: Content Repository for Java technology API

OASIS WSRP v1.0

Leverages other JBoss components

JBoss SX

- JAAS based domain security subsystem

JBoss Cache

- Performance
- Fault tolerance

Hibernate

- database independence

jBPM

- Business process
- Better flexibility

JBoss Web Services

- WSRP

Installation Overview

JBossAS/Portal Bundle

- Zero Installation Required
 - Start Server
 - Go to <http://localhost:8080/portal>

Standalone JBoss Service Archive (SAR)

- `jboss-portal.sar` – Core framework code
 - `portal-core.war` – stores layouts/themes
 - `portal-server.war` – portal server root context
 - ...
- Hibernate DDL/DML executed on initial startup
- HSQL embedded (Not for production)

Modularized

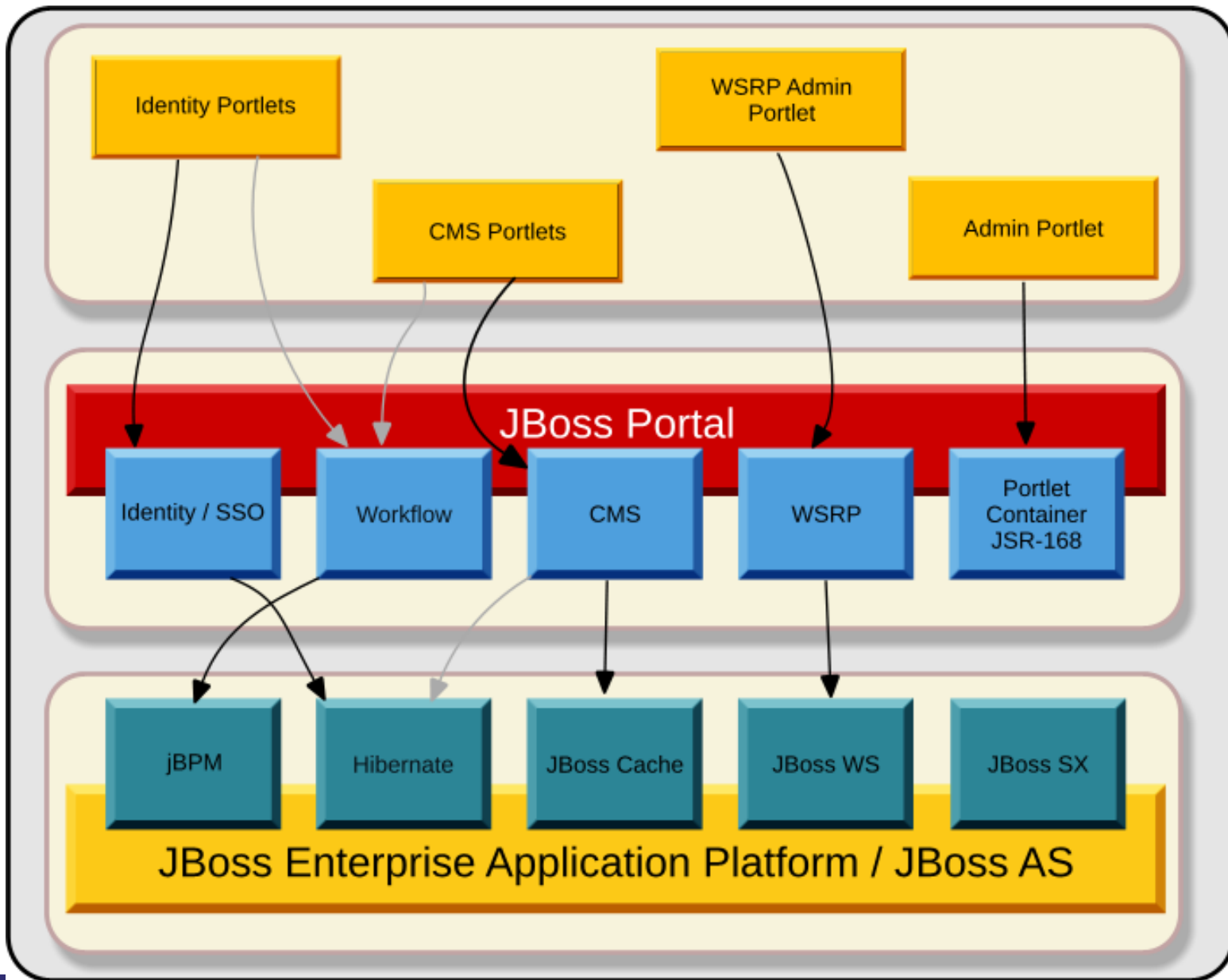
Deploy/Undeploy components

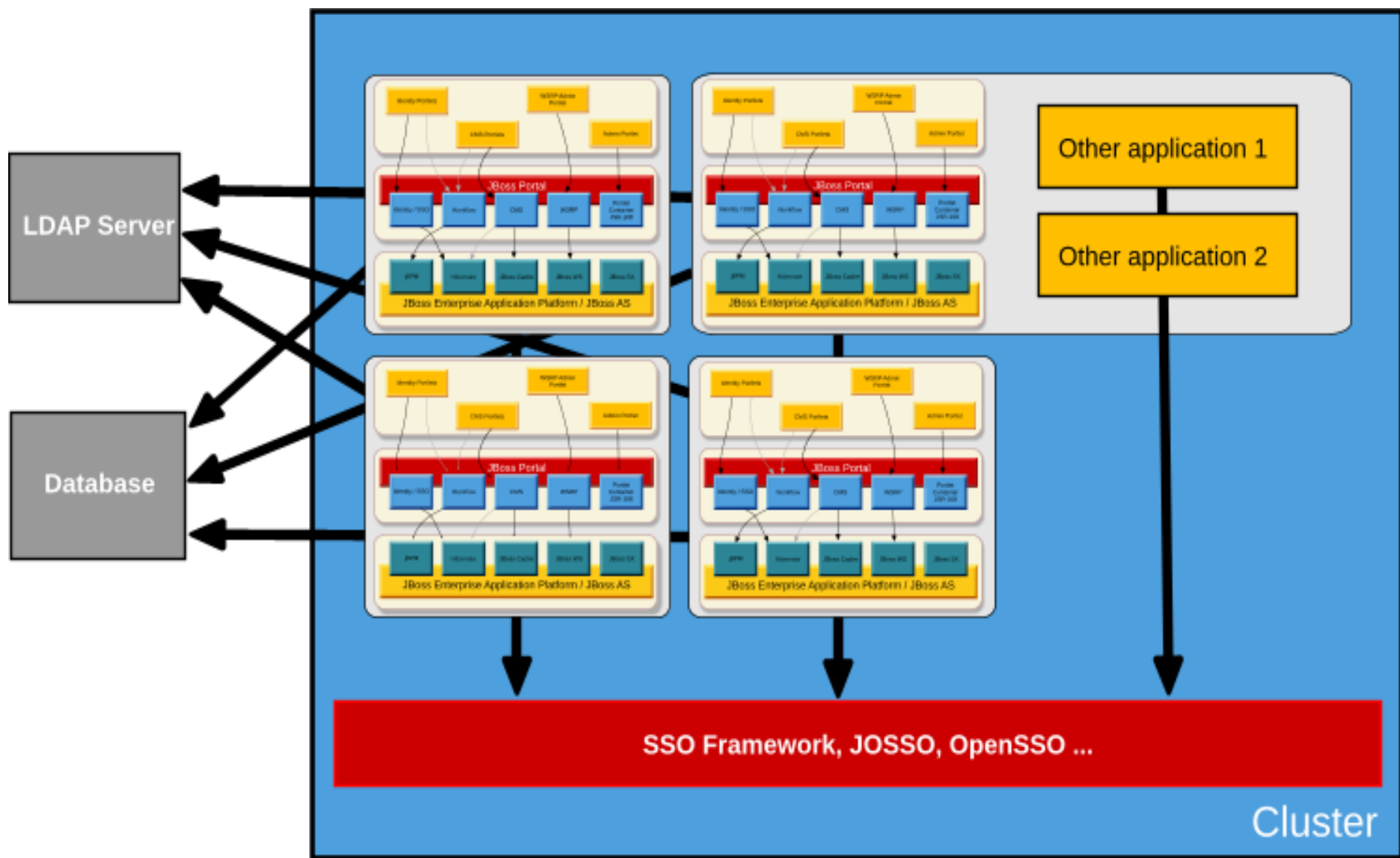
Light bare portal

Soft dependency between elements

Identity portlets does not necessarily require the workflow service

- Depends on your needs





Identity Server integration

A set of interfaces to integrate with any identity server

- Red Hat Directory Server
- OpenLDAP
- OpenDS
- Sun Directory Server
- Microsoft Active Directory
- ...

Single Sign On integration

Several applications, a unique login challenge to the user

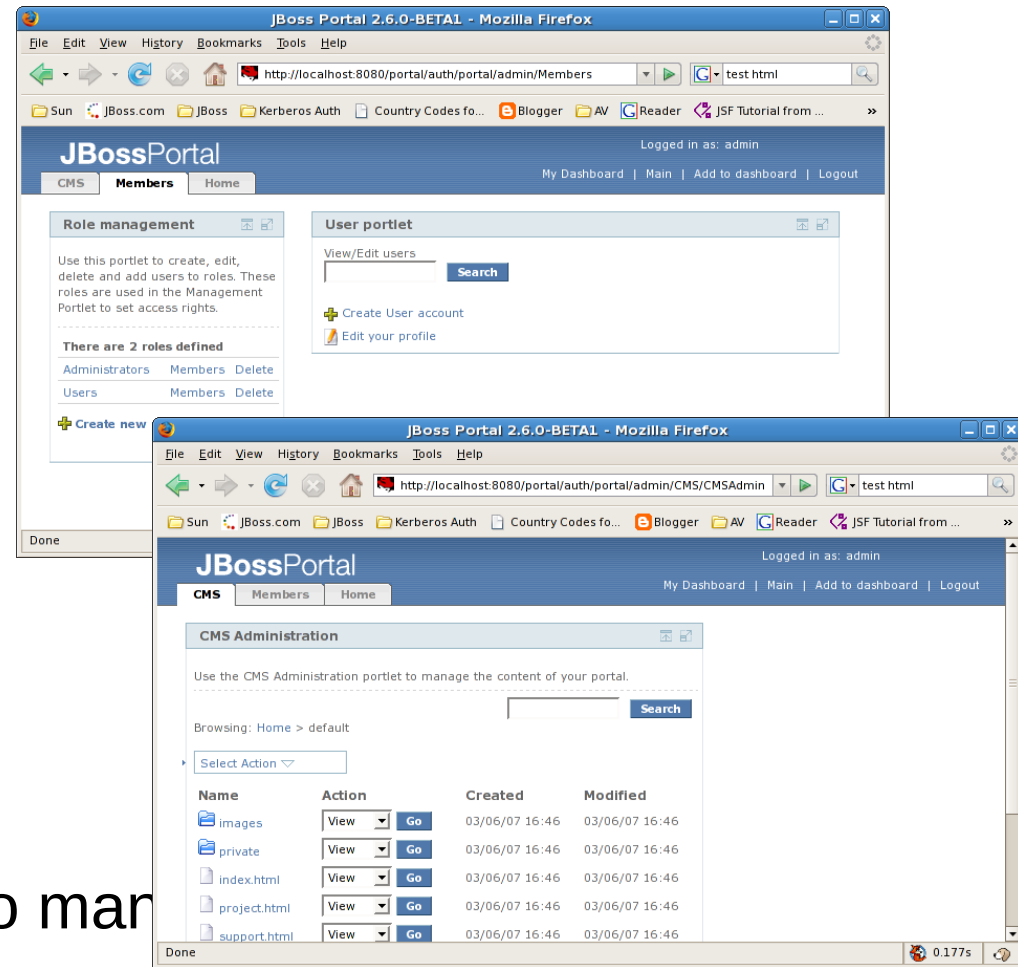
A set of interfaces to integrate with any SSO framework

- CAS
- JOSSO
- Open SSO
- ...

Usability Enhancements

Improved Interfaces

- Portal Administration
 - Portlets
 - Portlet Instances
 - Portlet Defaults
- User Administration
 - Simplified User Creation
 - User Search
 - List Based View
- Content Management
 - Search for content items to manage
 - Action Based Management
 - Familiar Directory View



Management portlet

Modify your portals with few clicks

- Add/Remove pages
- Add/Remove portlet windows
- ...

Change theme for a page or a portal

Modify security restrictions

Change other properties (Drag and drop, Partial refresh...)

Management portlet

Portal Objects | **Portlet Instances** | Portlet Definitions | Dashboards

Portals

[Manage portals](#)

☰ Properties

[Manage sub-portals](#)

Create a portal named: [Create portal](#)

Portal	Actions
admin	Security Properties Theme Make Default
default	Security Properties Theme Rename Default
template	Security Properties Theme Make Default

Identity portlets

Captcha support

jBPM integration


- More flexibility
- Verify email address
- Approve new accounts


Identity portlets

User Management Role Management

User Management

User Management

 Search users

 Create new user account

Matrix

Registered users	2
------------------	---

Subscription Modes

Subscription mode	Automatic - no e-mail validation, no admin approval.
Admin subscription mode	Automatic - no e-mail validation, no admin approval.

CMS portlet

Online publishing

Workflow

- Configurable
- Role based approval workflow out of the box
- Based on jBPM

Versioning

- With live/draft option

CMS portlet

Edit File

Editing File: /default/index.html

Description:

Title:


Language: English


Make "Live":

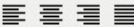

Version: 1.0














WYSIWYG Editor:








































i Links to resources within this portal should be absolute. For example: A link to an image located in default/images/back.gif should be typed in exactly as shown here. Do not prefix a slash (/) to the path of the resource. You can verify the link is correct by clicking on the preview button in the editor.



 JBoss Portal provides an open source platform for hosting and serving a portal Web interface, publishing and managing its content, and customizing its experience. While most packaged Portal frameworks help enterprises launch Portals more quickly, only JBoss Portal delivers the benefits of a zero-cost open source license combined with a flexible and scalable underlying platform.

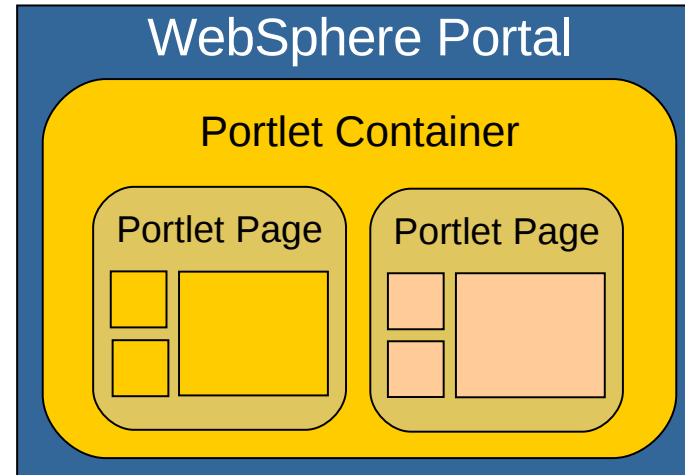
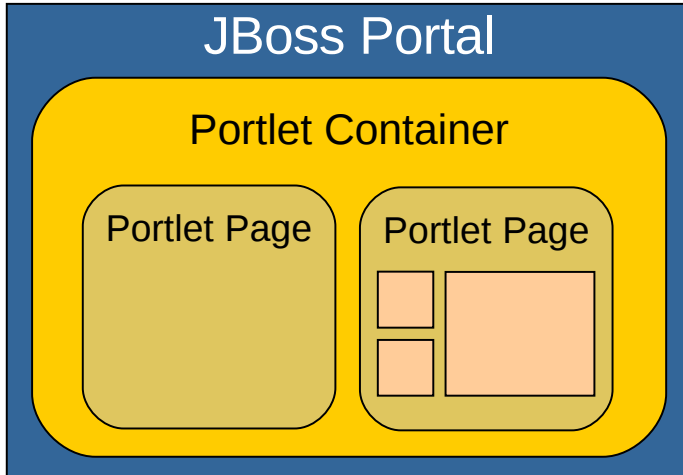
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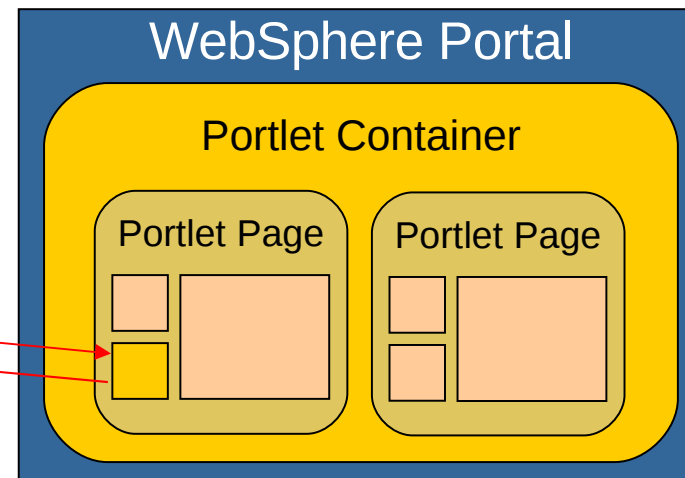
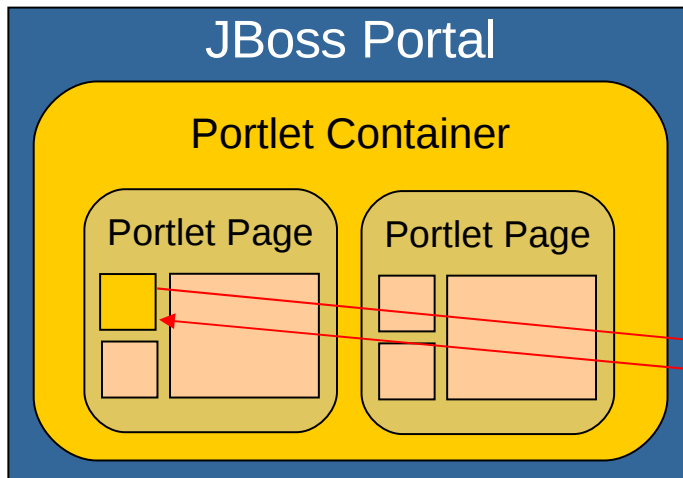
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WSRP versus JSR-168

- JSR-168



- WSRP



WSRP consumer admin console

Consumers Configuration **Producer Configuration**

Consumers

Manage Consumers

Create a consumer named: **Create Consumer**

Consumer [status: active , inactive , <i>needs refresh</i>]	Actions
BEA (<i>inactive</i>) (<i>refresh needed</i>)	Configure Refresh Activate Delete
self (active)	Configure Refresh Deactivate Deregister Delete

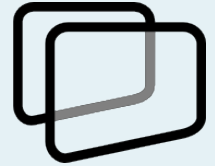
Community

A large base of users

- Active forums
- Multiple environments, OS, database...
- User input and early feedback
- Helps us anticipate needs before final releases

10,000 downloads a month

JBoss[®] Portal



Questions ?

kevin.barfield@redhat.com

<http://labs.jboss.com/jbossportal>

<http://blog.jboss-portal.org>