



Further Capabilities of Portlets & Portals

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Abstract:

This presentation wraps up the last two sessions and is focused on further aspects of portlet development and features offered by portals.

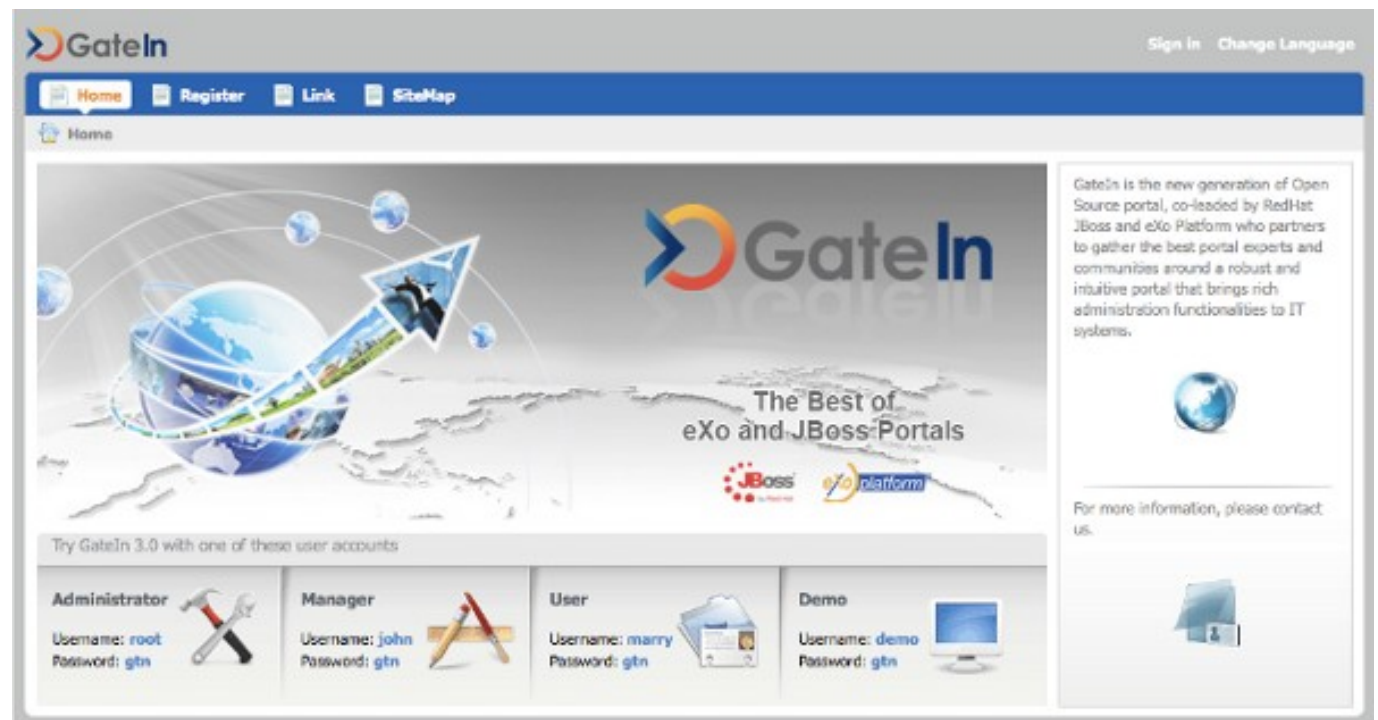
Agenda

- What have we covered so far?
- Best practices in portlet development
- Frameworks in portals
- Other portal features

What have we covered so far?

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- Portals, Portlets
- GateIn
- JSR-168
- JSR-286
- JSP & taglib



What have we covered so far?

- last week's discussion on styles and scripts in portlets

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
▼ <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en" dir="ltr">
  ▼ <head id="head">
    <title>jquery</title>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <link rel="shortcut icon" type="image/x-icon" href="/portal/favicon.ico">
    <link id="CoreSkin" rel="stylesheet" type="text/css" href="/eXoResources/skin/Stylesheet-lt.css">
    <link id="Defaultweb_BannerPortletDefaultweb_FooterPortletDefaultweb_NavigationPortlet" rel="stylesheet" type="text/css" href="/portal/resource/Default/web_BannerPortlet/Default/web_FooterPortlet/Default/web_NavigationPortlet/1323300722873-lt.css">
    ▶ <script type="text/javascript">...</script>
    <script type="text/javascript" src="/portal/javascript/merged.js"></script>
    ▶ <script type="text/javascript">...</script>
    <script type="text/javascript" src="/eXoResources/javascript/eXo/il8n/I18NMessage.js"></script>
    <script type="text/javascript" src="/eXoResources/javascript/eXo/il8n/MessageResource_en.js"></script>
    <link class="ExHead-4dc82db5-ba09-430a-a8d4-b718b6a0b7c5" href="/jQueryDemoPortlet/css/jqueryDemo.css" id="jqueryDemo" rel="stylesheet" type="text/css">
    <script class="ExHead-4dc82db5-ba09-430a-a8d4-b718b6a0b7c5" src="/jQueryDemoPortlet/js/jquery-1.4.2.min.js" type="text/javascript"></script>
    <script class="ExHead-4dc82db5-ba09-430a-a8d4-b718b6a0b7c5" src="/jQueryDemoPortlet/js/jquery-ui-1.8.1.custom.min.js" type="text/javascript"></script>
    <script class="ExHead-4dc82db5-ba09-430a-a8d4-b718b6a0b7c5" src="/jQueryDemoPortlet/js/myJS.js" type="text/javascript"></script>
    ▶ <script type="text/javascript" language="JavaScript" name="eXo.portal.UIAdminToolbar">...</script>
  </head>
  ▼ <body style="height: 100%;">
    ▼ <div class="Default" id="UIPortalApplication" style="!height: 100%;">
```

What have we covered so far?

- last week's discussion on communication between portlets:
 - via backend (application)
 - versatile, not always useful
 - via JS (web app)
 - across currently available portlets, hard to predict the surroundings and JS
 - via PortletSession (JSR-168)
 - across pages & inside wars, clumsy
 - PORTLET_SCOPE vs. APPLICATION_SCOPE
 - via PRP (JSR-286)
 - across portlets on a page over URL, simple and powerful
 - via events (JSR-286)
 - more flexible and complicated than PRP

Best practices

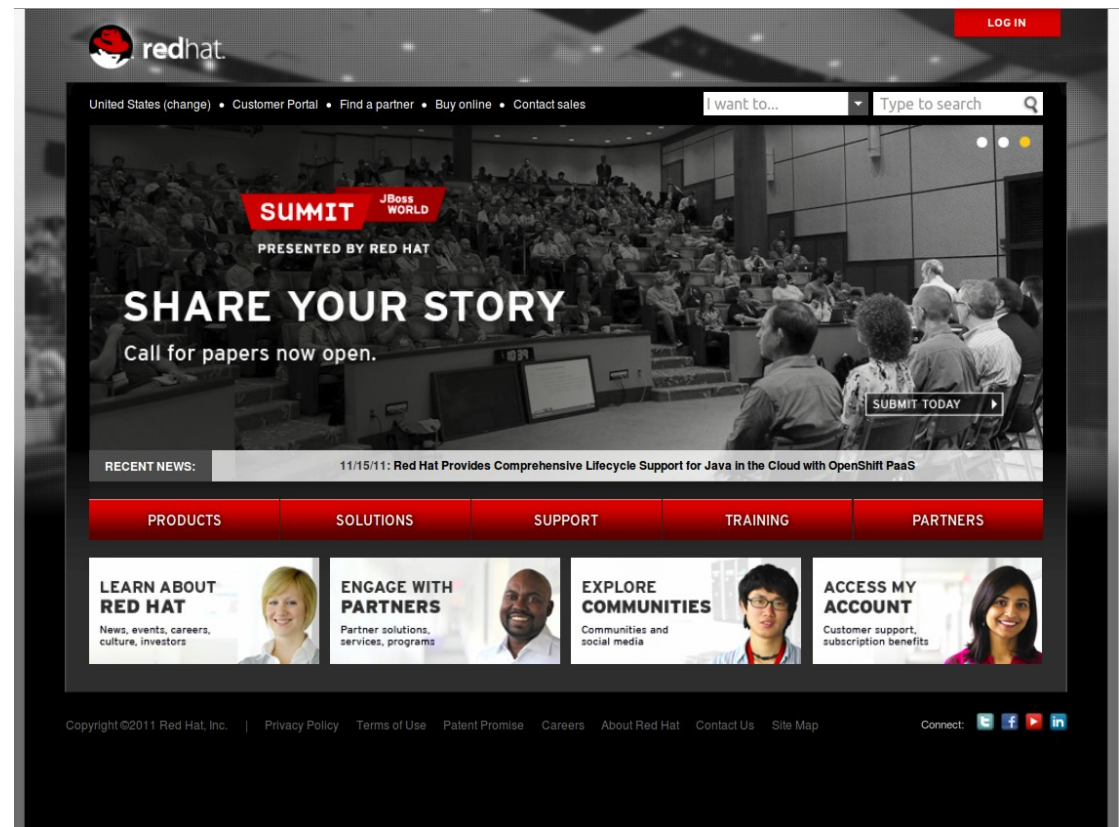
Best practices

- design - KISS
 - how many use cases?
 - 1 portlet / more portlets?
 - IPC? events?
 - roles?
 - frameworks?



Best practices

- UI
 - minimum space
 - portal style
 - surroundings

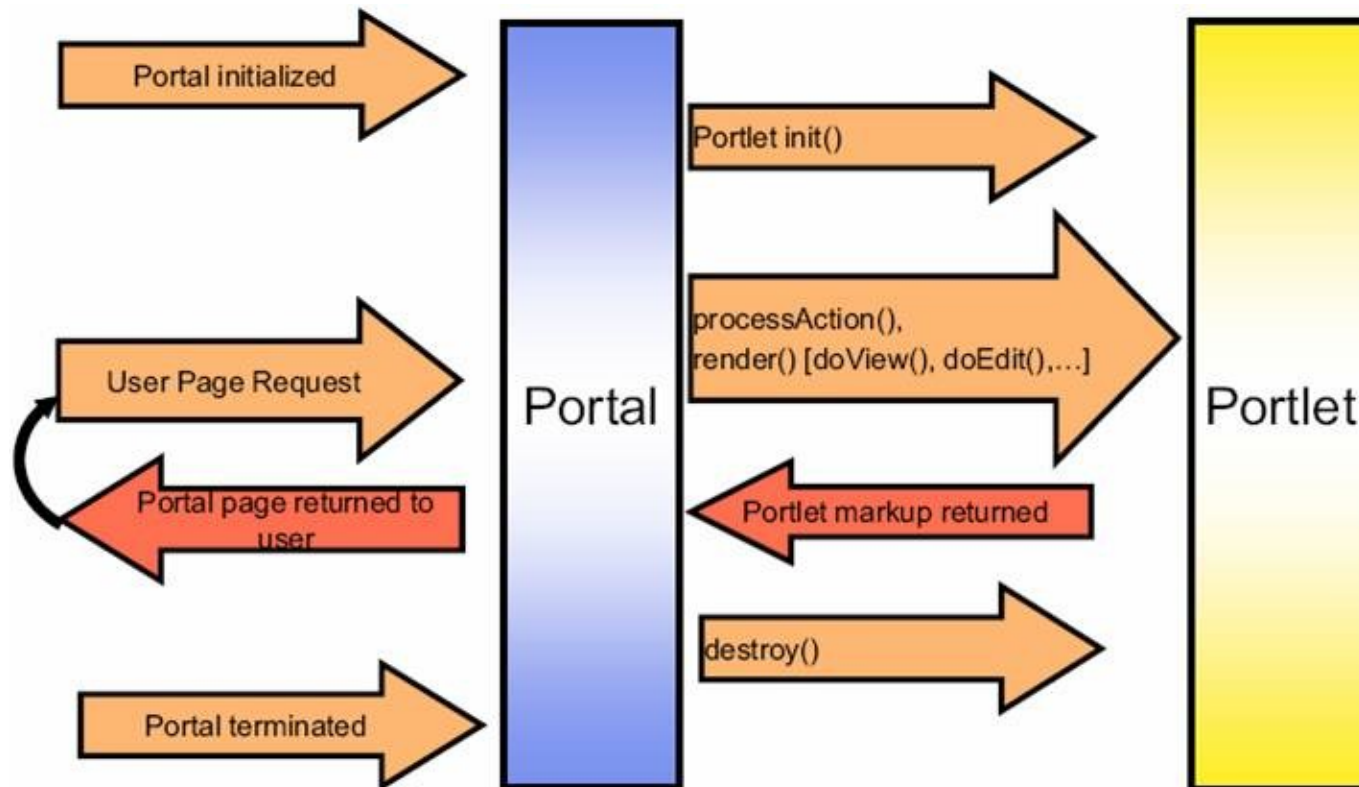


Best practices

- development
 - multithreading
 - libraries
 - unique IDs? namespaces?
 - cache
 - portal-specific API

Best practices

- processAction vs. render



Best practices

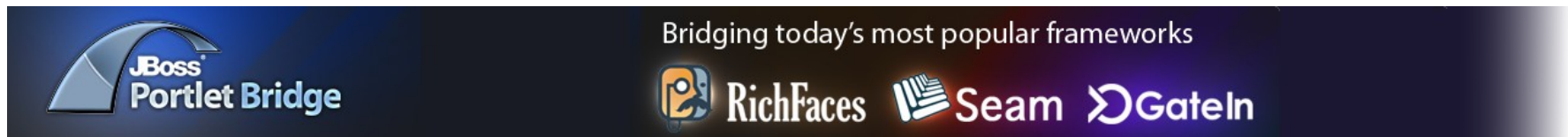
- data available to portlets

Location	Type	Size	Modifiable	Scope
Init Params	String	~KB	no	portlet
Attributes	Object	~MB	yes	request
Params	String	~KB	no	request
Session Attributes	Object	~KB	yes	session
Preferences	String	~KB	yes	portlet/persistent

Frameworks in portals

Bridges

- JBoss Portlet Bridge
 - JSF
 - RichFaces
 - Seam



Other portal features

Other portal features

- WSRP
- Site Export/Import
- ...

Consumers Configuration

Producer Configuration

Create a consumer named: Create Consumer

Consumer [status: active , inactive , (refresh needed)]	Actions
<i>selfv1 (inactive) (refresh needed)</i>	Configure Refresh Activate Delete
<i>selfv2 (inactive) (refresh needed)</i>	Configure Refresh Activate Delete

Reload consumers

Developer Conference 2012

Fri, Sat - February 17., 18. 2012

Thanks for your attention!