

Open Source Portal Systems The three challengers

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Presentation

Open Source Portal Systems

- The three challengers
- JSRs and standards
- Technology stacks
- Integration and interaction with other products
- Development and development support
- UI technologies, Web 2.0 and JavaScript technologies
- Licences
- Personal experiences
- Short demonstration, questions, answers and discussion

The three challengers

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The three challengers



JSRs and standards

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JSRs and standards

- Portlet Specification and API 1.0 (JSR-168).
- Portlet Specification and API 2.0 (JSR-286).
- JavaServer™ Faces 1.2 (JSR-252).
- JavaServer™ Faces 2.0 (JSR-314).
- Web Services for Remote Portlets (WSRP) 1.0
- Content Repository for Java™ technology API (JSR-170).

JSRs and standards

■ JBoss Portal

- Java Management Extension (JMX™) 1.2.
- Full J2EE™ 1.4 compliance when used with JBoss Application Server.

■ Liferay Portal

- Ajax
- JSON
- RMI

■ eXo Platform

- Google gadgets specification.
- WebUI
- Ajax

Technology stacks

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Technology stacks

- "Liferay supports all major app servers, databases, and operating systems with over 700 deployment configurations." (Liferay Portal Administration Guide)
- JBoss Portal, designed to run on a JBoss AS.
- eXo Platform, various commercial or free Server and Databases.

Integration and interaction with other products

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Integration and interaction with other products

- Liferay
 - WebDav, Alfresco CMS, Lucene Search Engine, SOA via Apache ServiceMix, Workflow Management System via jBPM.
- JBoss Portal
 - Workflow Management via jBPM.
- eXo Platform
 - SOA, WebDAV/DeltaV.

Development and development support

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Development and development support

■ Liferay

- About 100MB of javadoc, a large FAQ, forums, mailing list, bug tracker and other online developer docs.
- Fully implemented the javax.portlet classes and required tag library. With a little effort to move a pure JSR-168 portlet to the LifeRay portal with only the creation of an appropriate XML portlet deployment descriptor necessary.
- Over 50 example Portlets using different technologies.

■ JBoss Portal

- Portlet Swap: central place for various Portlets, Layouts, Themes.
- Lot of documentation, forums, wiki, mailing lists.

Development and development support

- eXo Platform

- Documentation, mailinglists, forums and wiki.
- Example Portlets with different UI technologies.
- Lombos IDE, an eclipse based development environment.

Development and development support

- Liferay: Additional deployment descriptors for the integration of new portlet applications to the portal.
- eXo Platform: Extension of the web.xml with Listener and Servlet.
- JBoss Portal: Additional deployment descriptors for the integration of new portlet applications to the portal.

Development and development support

- Liferay: Various deployment mechanisms for local portlets.
- eXo Platform: Put the new application to a specific folder.
- JBoss Portal: Deploy folder within the system.

UI Technologies, Web 2.0 and JavaScript technologies

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UI technologies, Web 2.0 and JavaScript technologies

- Liferay
 - AJAX, JSON, ICEfaces, Ruby, JBoss Seam
- JBoss Portal
 - Seam, Ajax, Spring MVC
- eXo Platform
 - Google Gadgets, Ajax, Groovy
- Examples available using different technologies for the presentation tier.

UI technologies, Web 2.0 and JavaScript technologies

- Liferay
 - Drag n drop for portlets, Javascript technologies used to provide a user friendly menu and navigation.
- JBoss Portal
 - Drag n drop for portlets.
- eXo Platform
 - Drag n drop for portlets.

Licenses

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Licences

■ Liferay

- MIT license(Standard Edition), allows the reuse of the software, developing software which is either closed source or open source.
- Commercial license (Enterprise Edition)

■ JBoss Portal

- LGPL
- Enterprise Edition with special Support available.

■ eXo Platform

- GNU AGPL (Community Version)
- Professional Version with special Support available.

Personal Experiences

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Personal experiences

- Liferay

- Using of Liferay 3 for Diploma Thesis.
- Development of an Intranet System based on Liferay 4.

- JBoss Portal

- Development of Example Portlets for JBoss Portal 2.

Short demonstration, questions, answers and discussion

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Demonstration



Questions and answers



Discussion



Sources

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- JBoss Portlet Swap, <http://www.jboss.org/portletswap/>
- JBoss Reference Guide,
http://docs.jboss.com/jbportal/v2.7.1/referenceGuide/html_single/
- Liferay, Development Guide,
<http://docs.liferay.com/portal/5.0/official/liferay-development-documentation-5.0.pdf>
- Liferay Portal Administrator Guide,
<http://docs.liferay.com/portal/5.1/official/liferay-administration-guide-5.1.pdf>
- Liferay Technical Spec,
<http://www.liferay.com/web/guest/products/portal/techspecs>

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- eXo Platform, Lomboz IDE,
<http://wiki.exoplatform.com/xwiki/bin/view/PC/Lomboz+IDE>
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- MIT Licence, <http://www.opensource.org/licenses/mit-license.php>
- LGPL, <http://www.gnu.org/licenses/lgpl.html>
- AGPL, <http://www.fsf.org/licensing/licenses/agpl-3.0.html>

Sources

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- Open Source Portale, <http://www.oio.de/open-source-portale.htm>

Thanks for your attention.