Benefits of Liferay Portal

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What is the Liferay Portal?

• Open Source
• Written in Java
• Runs on all major application servers/servlet containers, databases and operating systems
• Built in CMS
• Platform
• Out-of-the-box usability
• CE and EE editions
Web pages built with Liferay Portal
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Applied technologies

- JSR-168 & JSR-286 compliant
- Velocity
- JSP, JSF – Liferay Faces
- Alloy UI
- Struts (MVC)
- Spring
- Hibernate
- Lucene, Solr
- ImageMagick
- …
History of Liferay

• 2000 Liferay was created by Brian Chan
• 2001 Open Source
• 2004 Liferay Inc., offices in US, Germany, China, Spain
• 2007 "EContent 100" list of industry leaders by EContent magazine, "Technology of the Year." by InfoWorld
• 2008 Gartner recognized Liferay as visionary leader
• 2010 Hungarian office
• 2011 From visionary to leader in Gartner Magic Quadrant
• 2012 Liferay Marketplace closed beta
Abilities of Liferay Portal
We need some nice features on the pages, like wiki, forum, blogs, document library and chat.

Not a problem, in Liferay Portal they are all available, let me show you.
Welcome page

Sign In
You are signed in as Bruno Admin.

Liferay Demo
These sample sites highlight features of Liferay 6.1

The current page is the default page each user first sees when he or she logs in to your portal. By default, unauthenticated users are Guest users, so they are redirected to the guest community: localhost:8080/web/guest/

You can create any number of organizations or communities within the portal which will have their own public and private pages.

What is new in Liferay 6.1?
How can I upgrade to Liferay 6.1?
Creating a new page

Liferay Demo

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Adding the blogs portlet to the page
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Bubblegum pop

Bubblegum pop (also known as bubblegum rock, bubblegum music, or simply bubblegum) is a genre of pop music with a contrived and marketed to appeal to pre-teens and teenagers, produced in an assembly-line process, driven by producers, often singers. Bubblegum's classic period ran from 1967 to 1972. The second wave of bubblegum started two years later and ran until it took over and punk rock emerged. Bubblegum was also revived in the late 90's by well known artists such as Britney Spears and
Adding the blogs portlet to the page

Blogs

Bubblegum pop

7/11/12 8:44 PM

Bubblegum pop (also known as bubblegum rock, bubblegum music, or simply bubblegum) is a genre of pop music with an upbeat sound contrived and marketed to appeal to pre-teens and teenagers, produced in an assembly-line process, driven by producers, often using unknown singers. Bubblegum's classic period ran from 1967 to 1972. The second wave of bubblegum started two years later and ran until 1977 when disco took over and punk rock emerged. Bubblegum was also revived in the late 90's by well known artists such as Britney Spears and others, whom has since then been credited with influencing the revival of teen (bubblegum) pop in the same era.

The genre was predominantly a singles phenomenon rather than an album-oriented one, the presumption being that teenagers and pre-teens had
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The genre was predominantly a singles phenomenon rather than an album-oriented one, the presumption being that teenagers and pre-teens had less money to spend on records and were thus more likely to buy singles than albums. Also, because many acts were manufactured in the studio using session musicians, a large number of bubblegum songs were by one-hit wonders. Among the best-known acts of bubblegum's golden era are 1910 Fruitgum Company, The Ohio Express and The Archies, an animated group which had the most successful bubblegum song with "Sugar, Sugar", Billboard Magazine's No. 1 single for 1959. Singer Tommy Roe, arguably, had the most bubblegum hits of any artist during this period.

By Estelle Felch | 0 Comments | Flag | bubblegum  pop

Your Rating Average (0 Votes)
☆☆☆☆☆☆☆☆☆☆
Page layouts
Blog page

About This Blog

This blog is designed to highlight some of the new features found in Liferay 6.1 and by no means should it be considered exhaustive! The goal is to show you some of the major new features, encourage you to explore, and get you up to speed more quickly.

Recent Bloggers

- Estelle Felch
  - Posts: 1
  - Stars: 0
  - Date: 7/11/12

- Young Davies
  - Posts: 1
  - Stars: 0
  - Date: 7/2/12

- Carlos Jenkins
  - Posts: 1
  - Stars: 0
  - Date: 5/22/12

Tag Cloud

- ausbia
- cms
- custom content types
- documents and media
- hungary
- java
- liferay
- liferay 6.1 features
- screenshots
- whitepapers

Tags Navigation

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Blogs

Bubblegum pop
Editing the wiki
Documents and Media Lib portlet
Adding a new document
Adding a new document
Deploying the chat portlet
These contents have to be put into a hierarchical system with open and restricted pages.

With Liferay it can be done easily. Let me show you the architecture of Liferay.
Liferay Portal membership

- User
  - Site
  - Organization
  - User Group
Liferay Portal permissions
Authentication and workflow system are also necessary.

These are also implemented in Liferay.
Live demo

Workflow:


Is it possible to create localized web contents?

Yes, it is. It can be achieved with the following process …
Live demo

Localized web contents:

For example, is it possible to work the “Christmas” and “New Year’s Eve” content uploader team in the same time?

With Staging it can be achieved.
Live demo

Staging:

What options do we have to improve the performance of Liferay?

It is possible to run Liferay on multiple application and database servers.
Clustering & database Sharding

Unbreakable Liferay

Virtual Hosting
- mysite.com
- myplace.com

To Infinity...
- Multiple Domains

Load Balancers

App Servers
- Liferay server 1
- Liferay server 2

Multiple load balancers

Databases
- Database 1
- Database 2

Database cluster
Is it possible to extend Liferay with custom features?

Plugins and other extension points. Let me show you.
# Extension points

<table>
<thead>
<tr>
<th></th>
<th>IFRAME</th>
<th>WEB PROXY</th>
<th>WSRP</th>
<th>FULL INTEGRATION</th>
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<tr>
<td><strong>Key differences between Liferay’s integration options</strong></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Difficulty</td>
<td>Easy</td>
<td>Easy</td>
<td>Medium</td>
<td>Complex</td>
</tr>
<tr>
<td>Authentication Options</td>
<td>HTTP Basic, Form</td>
<td>HTTP Basic, NTLM</td>
<td>Custom</td>
<td>Native</td>
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<td>Native</td>
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<td>Medium</td>
<td>None</td>
<td>Easy</td>
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<td>Resource Usage</td>
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<td>Low to Medium</td>
<td>High</td>
<td>Low</td>
</tr>
<tr>
<td>Access to Liferay Artifacts</td>
<td>None</td>
<td>Low</td>
<td>High</td>
<td>High</td>
</tr>
</tbody>
</table>
Plugins

- Portlets
- Themes
- Layout Templates
- Web Modules
- Hooks
- Ext Plugins
Tools for developers

- Plugins SDK
- Eclipse Liferay plugin (Liferay IDE)
- Developer Studio (EE only)
Plugins SDK – How it works?
Plugins SDK layout
Portlets

- Portlets can make use of any application framework that Liferay supports.
- For a complete list of sample portlets, see https://github.com/liferay/liferay/plugins/tree/master/portlets
Themes

- Themes are generated with a similar create script
- Themes are based on differences from the default theme
- Everything is customizable
Layout templates

- Layout Templates are the simplest of plugins
- They are also generated with a create script
- They go in the layouttpl folder
Hook Plugins

Hook plugins can adapt and extend Liferay Portal's functionality by:
– Providing a predefined configuration
– Providing implementations for the available extension points (hooks) defined in portal.properties
– Overriding portal JSPs (use with care!)

Examples:
– Startup actions
– Login hooks
– Servlet filters
Hook Plugins – Eset Antivirus

- New process will run the antivirus and wait until the antivirus scans it
- If no threats were detected, document will be added
- If a virus was detected, or the file couldn’t be scanned, the document won’t be added
Ext Plugins

An Ext plugin can modify the portal's core classes and behavior in ways that are not possible with a Hook.

- Overriding portal implementation classes (portal-impl)
- Overriding portal util implementations (portal-util)
- Overriding portal web configuration files

Examples:
- Customizing portal properties that are not supported by hook plugins
- Specifying custom classes as portal property values
- Direct overwriting of a class (avoid unless absolutely necessary)
Web Applications

• Liferay can also integrate with certain web applications.
• You can find examples of these in Liferay's public GitHub plugins repository at http://www.github.com/liferay/liferay-plugins.

There, you will find
– Search engine integration plugins
– ...and more
We need more Liferay engineers for this project.

All right, let’s discuss it.
Open positions at Liferay Hungary

• Junior Support Engineer
• Senior Support Engineer
• Trainer & Consultant

hr-hu@liferay.com
Summary

• What Liferay Portal is
• How to populate Liferay with Users, Organizations/Sites, contents
• Features to make the work of content uploading easier (Staging, workflow)
• Extension points and plugin development
Useful materials

Liferay user guide:

Liferay developer guide:
Thank you! Questions?

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