



# 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

The screenshot displays the Allianz Life Insurance Company of North America website. The browser address bar shows the URL <https://www.allianzlife.com>. The website features a blue header with the Allianz logo and the tagline "For all that's ahead.™". A navigation menu includes "Annuities", "Life insurance", "Retirement", and "About".

The main content area is divided into several sections:

- Allianz 365i Annuity:** A large banner with a curved architectural structure. Text includes "Allianz 365i Annuity", "Indexed interest potential. Income guarantees. A powerful combination.", and a "Learn more" link.
- My Account:** A login section with fields for "User name" and "Password", a "Login" button, a "Remember me" checkbox, and links for "Forgot password?", "Don't yet have a user name and password?", and "Register".
- Why Allianz:** A section with a blue sky background and a list of benefits:
  - Consistent financial ratings
  - Conservative investing
  - Financial strength
  - Global connections
- Annuities:** A section with a sailboat background and a list of annuity types:
  - Fixed annuities
  - Fixed index annuities
  - Variable annuities
  - About annuities
- Life insurance:** A section with a reeds background and a list of insurance options:
  - Fixed index universal life insurance
  - Universal life insurance
  - About life insurance
- Win an iPad®:** A promotional section with an iPad image and text: "Sign up to view your documents online and you could win an iPad.®" and a "Sign up now" button.

# Web pages built with Liferay Portal

The screenshot displays the Cisco Developer Network website. The browser address bar shows 'developer.cisco.com'. The page features a blue header with the Cisco logo and navigation links: Membership, Technologies, Community, Technology Partners, and News & Events. A search bar for 'Search CDN' is visible. The main content area includes a 'Home' section with the title 'Cisco Developer Community - Home'. A prominent 'FEATURED API' section highlights the 'Cloud Connector API', describing its integration with Cisco IOS Software. Below this, a 'Technology for Developers' section lists various services: Energywise, Telepresence, UPOE, and Collaboration. On the right side, there is a 'CDN Program Overview' section with a video player and social media links for Twitter (@cisco\_developer) and Facebook. The footer includes a 'Support for Development Only Subscription' link and a 'Cisco Developer Network' logo.

# Web pages built with Liferay Portal

The screenshot displays the T-Mobile website interface. At the top, the T-Mobile logo is on the left, and a search bar with a 'Hledat' button is on the right. Below the logo, there are navigation tabs for 'Osobní', 'Podnikatelé', and 'Firmy'. A secondary navigation bar includes 'Volání', 'Telefony', 'Internet', 'Služby', 'Podpora', 'eShop', and 'Můj T-Mobile'. The main content area features a large advertisement for the Sony Xperia T, priced at 8 899 Kč, with a 'Chci ho také' button. The ad includes a 'SKYFALL 007' phone image and a background image of James Bond. Below the main ad, there are three smaller phone images and a 'Říje(n) telefonů' button. The bottom of the page has a 'Proč T-Mobile' button and a vertical 'NAPIŠTE NÁM' button on the right.



# Web pages built with Liferay Portal

The screenshot shows a web browser window displaying the homepage of Osaka Gas (www.osakagas.co.jp/index.html). The page features a large blue banner with the slogan "Design Your Energy 夢ある明日を" (Design Your Energy, Tomorrow with Dreams). Below the banner, there are three main content areas: "ご家庭のお客さま" (For Home Customers), "業務用・産業用のお客さま" (For Business/Industrial Customers), and "大阪ガスについて" (About Osaka Gas). A sidebar on the right contains navigation links and promotional banners for "Design Your Energy", "ガ、スマート!" (Gas, Smart!), "マイ大阪ガス" (My Osaka Gas), and "みんなの食ナビ" (Everyone's Food Navigator). The footer includes safety information, customer support, and a promotion for "マイ大阪ガス" (My Osaka Gas).

大阪ガス

www.osakagas.co.jp/index.html

Design Your Energy 夢ある明日を

大阪ガス GROUP

お問い合わせ | サイトマップ | 電子公告 | English

サイト内検索 検索 ?

Design Your Energy 夢ある明日を

ガ、スマート!

マイ大阪ガス 暮らしやすい 暮らしやすい

みんなの食ナビ

**ご家庭のお客さま**

- 家庭用ガス機器
- ガス料金
- ガス機器の修理・メンテナンス
- お引越しのお手続き

**業務用・産業用のお客さま**

- 厨房
- 空調
- コージェネレーション
- 課題から探す

**大阪ガスについて**

- 大阪ガスグループ企業情報
- 大阪ガスグループのCSR
- 株主・投資家の皆さまへ
- 採用・インターンシップ情報

**大阪ガスの安全対策**

- ガス漏れ時の緊急連絡先
- 非常時のお願いと注意ポイント

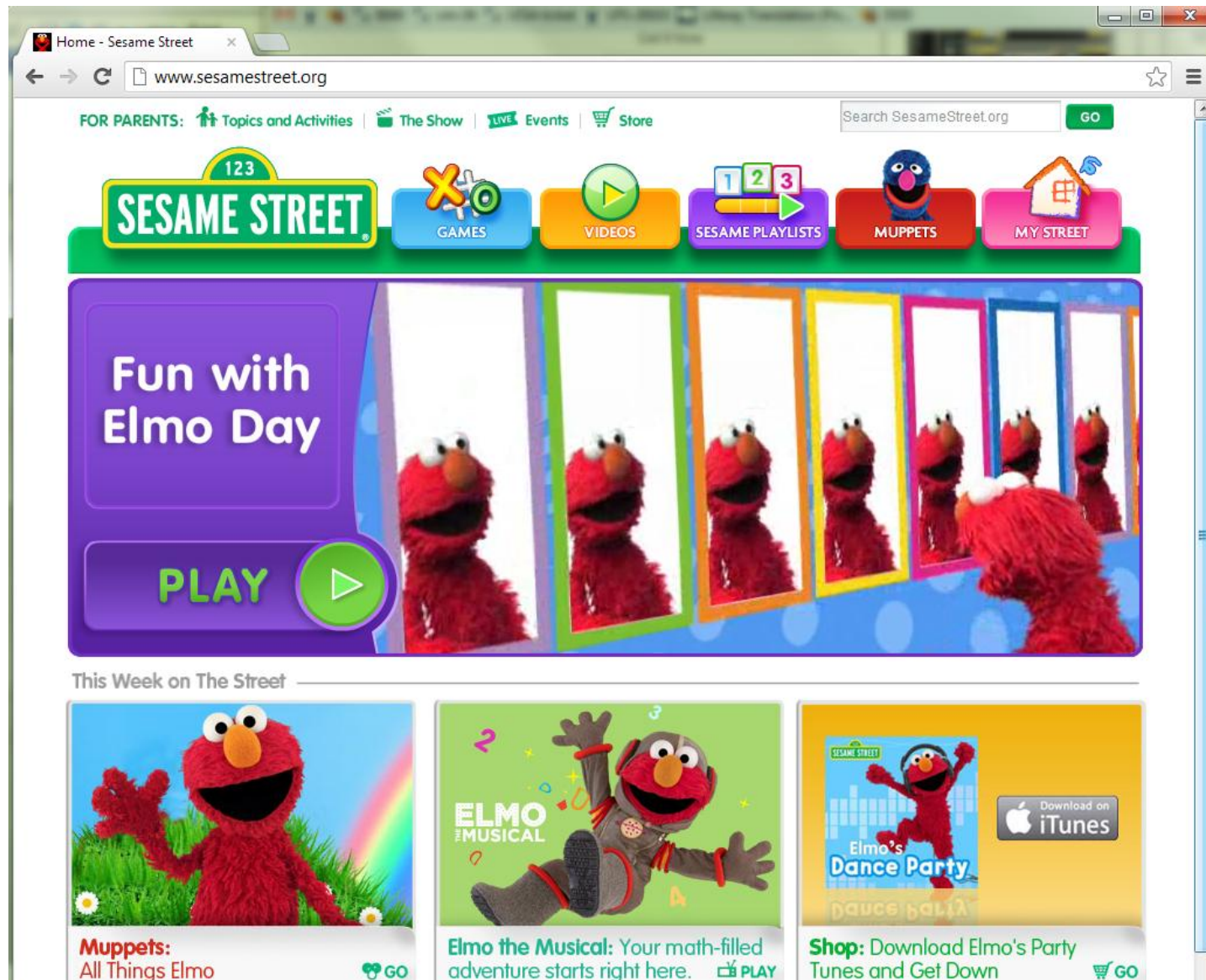
**お客さまサポート**

- よくあるご質問
- お近くのガスのお店
- 設備調査・開栓サービス
- ガス機器の修理・メンテナンス

ガス料金・使用量をネットで確認!  
抽選でステキなプレゼント!!

会員専用サイト **マイ大阪ガス**  
新規ご入会キャンペーン実施中!!

# Web pages built with Liferay Portal



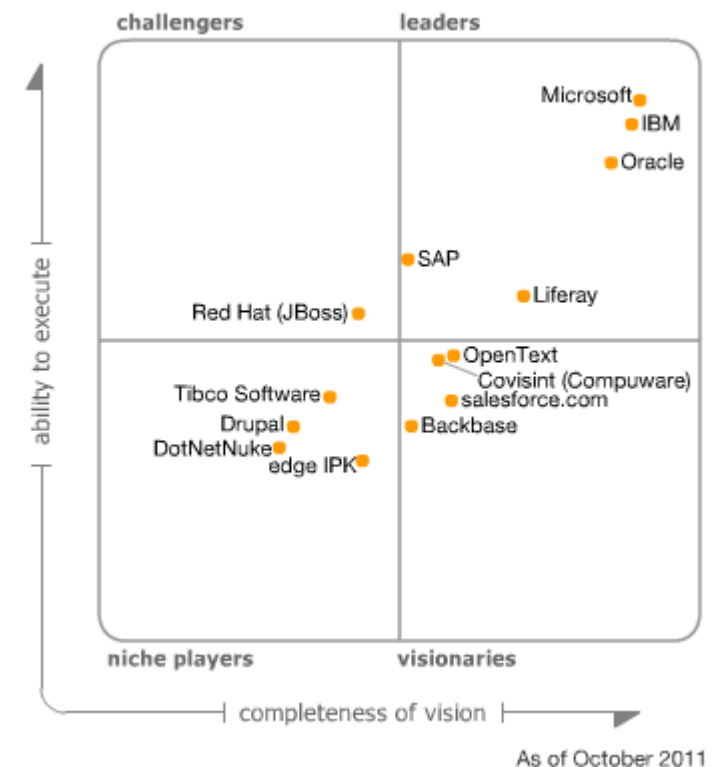
# Applied technologies

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



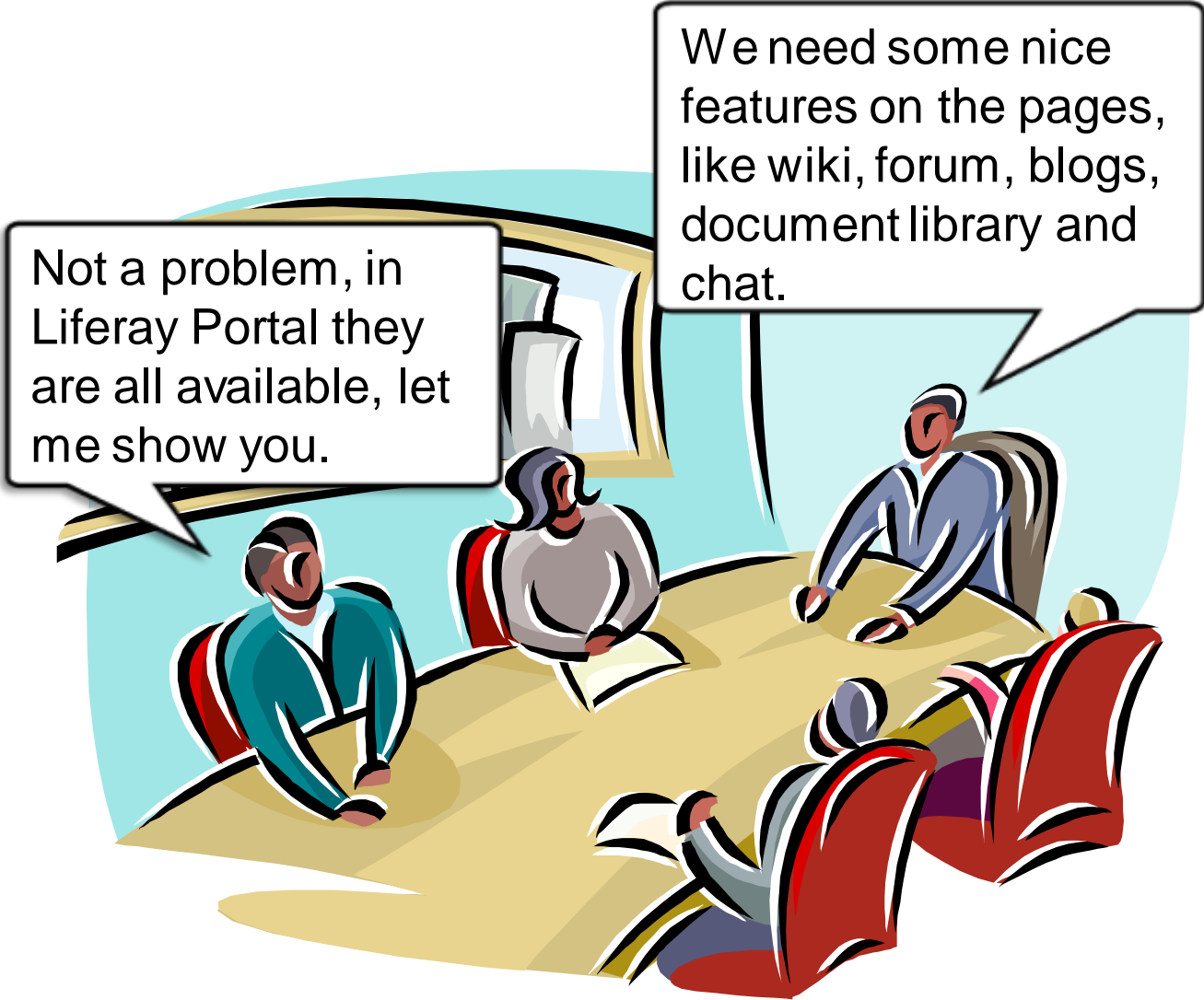
# History of Liferay

- 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



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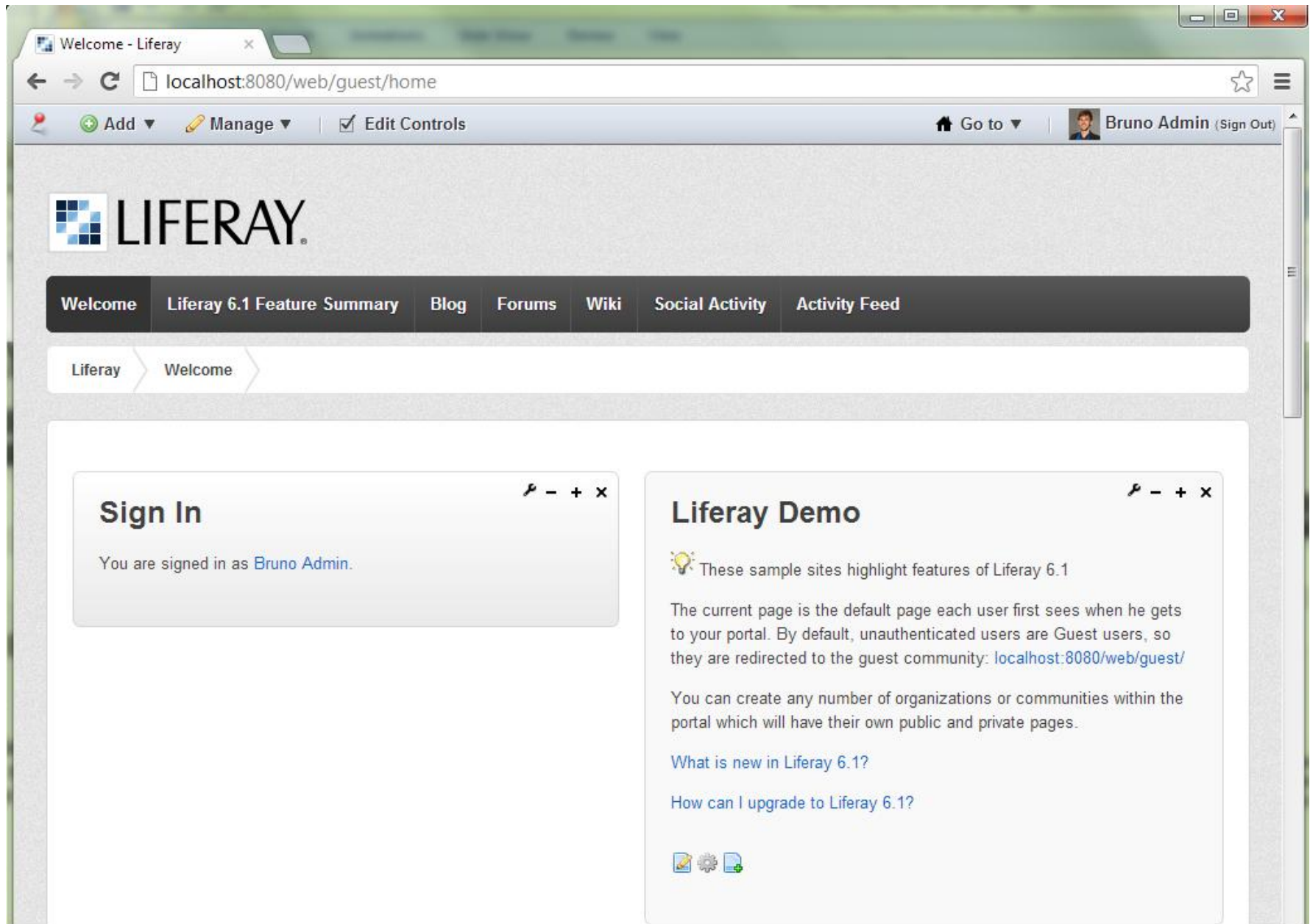
# Abilities of Liferay Portal



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

We need some nice features on the pages, like wiki, forum, blogs, document library and chat.

# Welcome page



The screenshot shows a web browser window with the following elements:

- Browser Tab:** Welcome - Liferay
- Address Bar:** localhost:8080/web/guest/home
- Navigation Bar:** Add, Manage, Edit Controls, Go to, Bruno Admin (Sign Out)
- Liferay Logo:** LIFERAY.
- Navigation Menu:** Welcome, Liferay 6.1 Feature Summary, Blog, Forums, Wiki, Social Activity, Activity Feed
- Breadcrumbs:** Liferay > Welcome
- Sign In Panel:** Sign In, You are signed in as Bruno Admin.
- Liferay Demo Panel:** Liferay Demo, These sample sites highlight features of Liferay 6.1, The current page is the default page each user first sees when he gets 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?, Download icons.



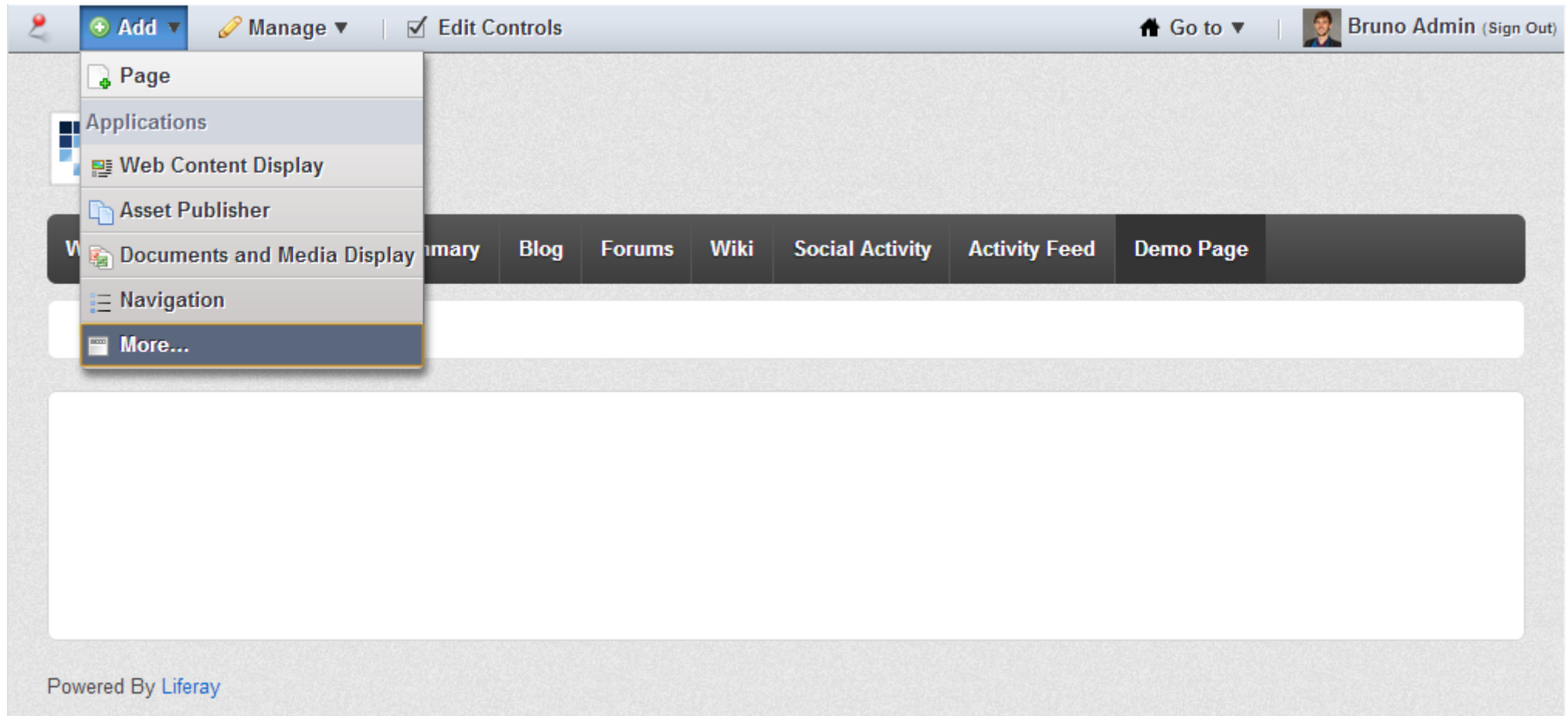
# Creating a new page

The screenshot shows the Liferay portal interface. At the top, there is a navigation bar with icons for 'Add', 'Manage', and 'Edit Controls'. On the right, there is a 'Go to' dropdown and a user profile for 'Bruno Admin (Sign Out)'. Below the navigation bar is the Liferay logo. A dark navigation bar contains links for 'Welcome', 'Liferay 6.1 Feature Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', and 'Activity Feed'. The 'Demo Page' link is highlighted, and a dropdown menu is open, showing options for 'Blog', 'Content Display Page', and 'Wiki'. Below the navigation bar is a breadcrumb trail showing 'Liferay' and 'Welcome'. The main content area contains two widgets: 'Sign In' and 'Liferay Demo'. The 'Sign In' widget shows the user is signed in as 'Bruno Admin'. The 'Liferay Demo' widget contains a lightbulb icon and text describing sample sites, followed by paragraphs of text and two links: 'What is new in Liferay 6.1?' and 'How can I upgrade to Liferay 6.1?'. At the bottom of the 'Liferay Demo' widget are icons for edit, settings, and add.

# Creating a new page

The screenshot displays the Liferay user interface. At the top, there is a navigation bar with icons for 'Add', 'Manage', and 'Edit Controls'. On the right side of the bar, there is a 'Go to' dropdown menu and a user profile for 'Bruno Admin (Sign Out)'. Below the navigation bar is the Liferay logo. A dark horizontal menu contains several items: 'Welcome', 'Liferay 6.1 Feature Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. Below this menu is a breadcrumb trail showing 'Liferay' and 'Demo Page'. The main content area is a large, empty white rectangle. At the bottom left of the page, it says 'Powered By Liferay'.

# Adding the blogs portlet to the page



The screenshot shows the Liferay page editor interface. At the top, there is a navigation bar with a red location pin icon, an 'Add' button with a green plus sign, a 'Manage' button with a pencil icon, and a checked 'Edit Controls' checkbox. On the right side of the navigation bar, there is a 'Go to' button with a house icon and a user profile for 'Bruno Admin (Sign Out)'. Below the navigation bar, a dropdown menu is open under the 'Add' button, listing several options: 'Page', 'Applications', 'Web Content Display', 'Asset Publisher', 'Documents and Media Display', 'Navigation', and 'More...'. The 'More...' option is highlighted with a blue background. In the background, a dark navigation bar contains several portlets: 'Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. Below this navigation bar is a large white rectangular area, which is currently empty. At the bottom left of the page, the text 'Powered By Liferay' is visible.

# Adding the blogs portlet to the page

The screenshot shows the Liferay portal interface. At the top, there is a navigation bar with 'Add', 'Manage', and 'Edit Controls' buttons. On the right, there is a 'Go to' dropdown and a user profile for 'Bruno Admin (Sign Out)'. The main content area is divided into a top navigation bar with tabs for 'Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. Below this is a large white content area. On the left side, a 'Add' portlet menu is open, displaying a search box and a list of applications. The 'Blogs' application is highlighted with a red box, and its 'Add' button is visible. Other applications listed include 'Business Intelligence & Reporting', 'Collaboration', 'Blogs Aggregator', 'Calendar', 'Contacts Center', 'Dynamic Data List Display', 'Events Display', 'Mail', 'Message Boards', 'Microblogs', 'Microblogs Status Update', 'Private Messaging', 'Recent Bloggers', 'Tasks', 'Upcoming Tasks', 'Wiki', 'Community', 'Content Management', 'Entertainment', 'Finance', and 'Google'.



# Adding the blogs portlet to the page

The screenshot displays the Liferay portal's user interface. At the top, there is a navigation bar with options for 'Add', 'Manage', and 'Edit Controls'. The user is identified as 'Bruno Admin' with a 'Sign Out' link. Below the navigation bar, a dark grey bar contains several page tabs: 'Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. The 'Blog' tab is currently selected. The main content area is a large white rectangle with the word 'Blogs' centered in a large, bold font. A blue horizontal line with a circular arrow icon is positioned above the 'Blogs' text, indicating a drag-and-drop action. On the left side, a sidebar menu is open, showing a search bar and a list of applications. The 'Collaboration' category is expanded, and the 'Blogs' application is highlighted with a blue bar. Other applications listed include Business Intelligence & Reporting, Calendar, Contacts Center, Dynamic Data List Display, Events Display, Mail, Message Boards, Microblogs, Microblogs Status Update, Private Messaging, Recent Bloggers, Tasks, Upcoming Tasks, and Wiki. Below the Collaboration category, other categories like Community, Content Management, Entertainment, Finance, and Google are also visible.

# Adding the blogs portlet to the page

The screenshot shows a web application interface with a top navigation bar containing 'Add', 'Manage', and 'Edit Controls' buttons, and a user profile for 'Bruno Admin (Sign Out)'. A left sidebar lists various application categories and portlets, including 'Business Intelligence & Reporting', 'Collaboration', 'Community', 'Content Management', 'Entertainment', 'Finance', and 'Google'. Under the 'Collaboration' category, a list of portlets is shown with 'Add' buttons next to them: Blogs, Blogs Aggregator, Calendar, Contacts Center, Dynamic Data List Display, Events Display, Mail, Message Boards, Microblogs, Microblogs Status Update, Private Messaging, Recent Bloggers, Tasks, Upcoming Tasks, and Wiki.

The main content area features a dark navigation bar with tabs for 'Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. Below this, there are two large empty rectangular boxes. The 'Blogs' section is active, displaying a search bar, a 'Search' button, and an 'Add Blog Er' button. A blog entry titled 'Bubblegum pop' is visible, dated '7/11/12 8:44 PM', with '12' comments. Below the title are 'Edit', 'Permissions', and 'Delete' icons. The text of the blog entry reads: '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 i singers. Bubblegum's classic period ran from 1967 to 1972. The second wave of bubblegum started two years later and ran until 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

The screenshot displays the Liferay portal interface. At the top, there is a navigation bar with options: 'Add', 'Manage', 'Edit Controls', 'Go to', and a user profile for 'Bruno Admin (Sign Out)'. Below this is the Liferay logo and a main navigation menu with items: 'Welcome', 'Liferay 6.1 Feature Summary', 'Blog', 'Forums', 'Wiki', 'Social Activity', 'Activity Feed', and 'Demo Page'. A breadcrumb trail shows 'Liferay' > 'Demo Page'. The main content area features a 'Blogs' portlet with a search bar, 'Search', 'Add Blog Entry', and 'Permissions' buttons. A blog entry titled 'Bubblegum pop' is shown, dated '7/11/12 8:44 PM', with 'Edit', 'Permissions', and 'Delete' actions. The text of the entry describes bubblegum pop music.

Add Manage Edit Controls Go to Bruno Admin (Sign Out)

LIFERAY.

Welcome Liferay 6.1 Feature Summary Blog Forums Wiki Social Activity Activity Feed Demo Page

Liferay Demo Page

Blogs

Search Add Blog Entry Permissions

**Bubblegum pop**

7/11/12 8:44 PM

Edit Permissions Delete

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

# Blogs portlet

## Blogs

Search Add Blog Entry Permissions

### Bubblegum pop

 7/11/12 8:44 PM

 Edit  Permissions  Delete

**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 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 1969. Singer Tommy Roe, arguably, had the most bubblegum hits of any artist during this period.

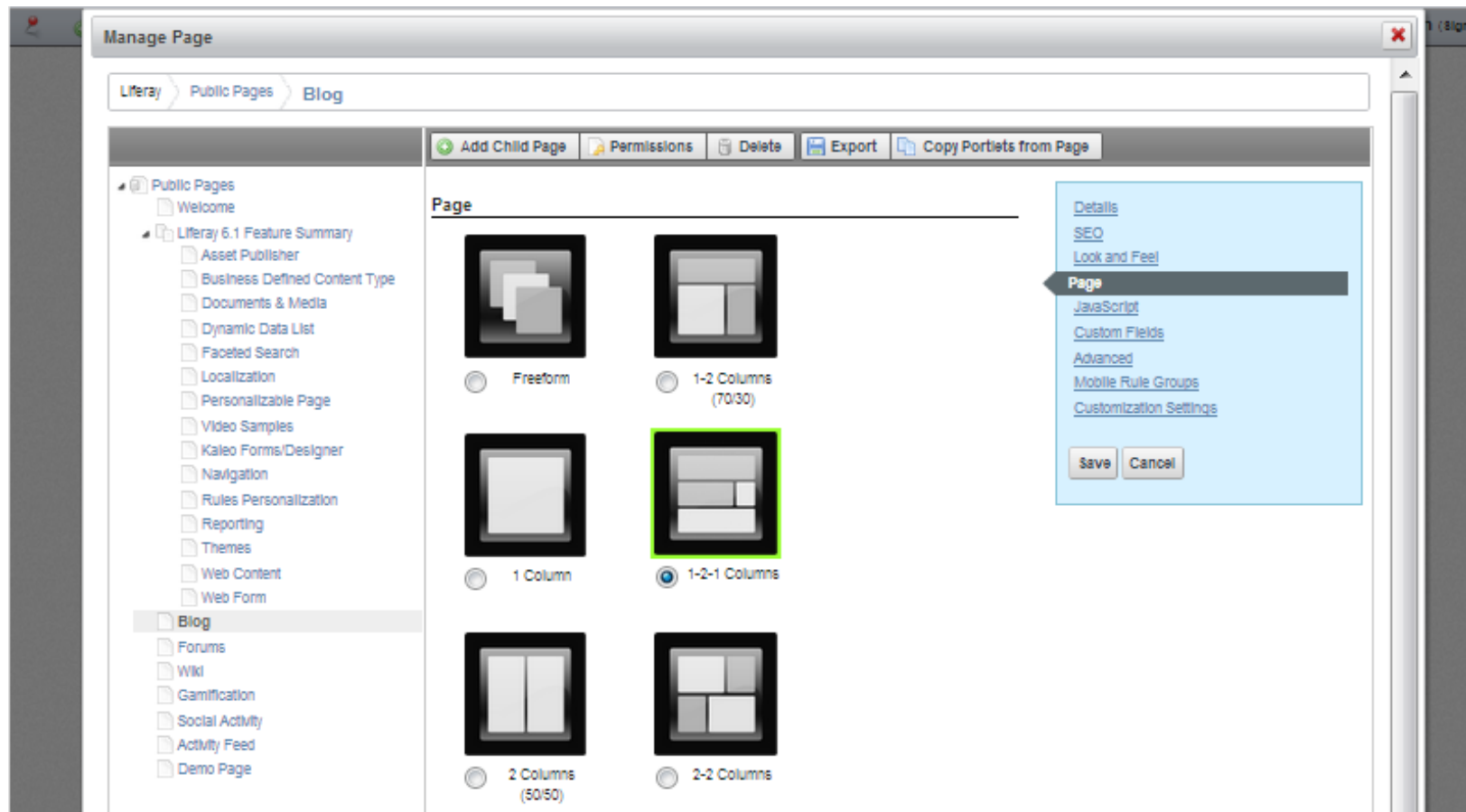
 By Estelle Felch | 0 Comments |  Flag |  bubblegum  pop

 Tweet 0  Like 0  +1 0

Your Rating Average (0 Votes)  
☆☆☆☆☆ ☆☆☆☆☆



# Page layouts




# Blog page

Welcome Liferay 6.1 Feature Summary **Blog** Forums Wiki Social Activity Activity Feed Demo Page




Liferay > Blog >

### 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

	<a href="#">Estelle Felch</a> Posts: 1 Stars: 0 Date: 7/11/12
	<a href="#">Young Bayles</a> Posts: 1 Stars: 0 Date: 7/2/12
	<a href="#">Carlos Junkins</a> Posts: 1 Stars: 0 Date: 5/22/12

### Tag Cloud

austria cms custom content types  
documents and media hungary javaee  
liferay **liferay 6.1 features**  
screenshots whitepapers

### Tags Navigation

austria cms custom content types  
documents and media hungary javaee liferay  
liferay 6.1 features screenshots whitepapers

### Blogs

**Bubblegum pop**

# Forum page

Welcome | Liferay 6.1 Feature Summary | Blog | **Forums** | Wiki | Social Activity | Activity Feed | Demo Page

Liferay > Forums >

### Search

  
Everything

### Message Boards

[Message Boards Home](#) | [Recent Posts](#) | [My Posts](#) | [My Subscriptions](#) | [Statistics](#) | [Banned Users](#)

  
[RSS \(Opens New Window\)](#) [Subscribe](#)

#### ▼ Categories

Showing 1 - 20 of 47 results.  
Items per Page 20 Page  of 3 [First](#) | [Previous](#) | [Next](#) | [Last](#)

Category	Categories	Threads	Posts	
<a href="#">1997 Grand Prix de Tennis de Lyon – Doubles</a> Discussions about 1997 Grand Prix de Tennis de Lyon – Doubles	0	1	3	<input type="button" value="Actions"/>
<a href="#">2011 Virginia earthquake</a> Discussions about 2011 Virginia earthquake	0	1	1	<input type="button" value="Actions"/>
<a href="#">Age of Narcissism</a> Discussions about Age of Narcissism	0	1	1	<input type="button" value="Actions"/>

# Wiki page

[Welcome](#) | [Liferay 6.1 Feature Summary](#) | [Blog](#) | [Forums](#) | **Wiki** | [Social Activity](#) | [Activity Feed](#) | [Demo Page](#)

[Liferay](#) > [Wiki](#)

## Wiki

[FrontPage](#) | [Recent Changes](#) | [All Pages](#) | [Orphan Pages](#) | [Draft Pages](#)

### FrontPage

Tags: [liferay 6.1 features](#) [Edit](#) [Details](#) [Print](#)


New wiki page.

[Add Child Page](#) , [0 Attachments](#) | 33 Views

Your Rating      Average (5 Votes)  
★★★★☆☆      ★★★★★☆☆

#### ▼ Comments

[Add Comment](#) [Unsubscribe from Comments](#)



Neat!

0 (0 Votes) [Like](#) [Dislike](#)

**Bruno Admin**

### Categories Navigation

💡 There are no categories.

### Tags Navigation

[austria](#) [cms](#)  
[custom content types](#)  
[documents and media](#)  
[hungary](#) [javaee](#) [liferay](#)  
[liferay 6.1 features](#)  
[screenshots](#) [whitepapers](#)



# Editing the wiki

## Wiki

FrontPage | Recent Changes | All Pages | Orphan Pages | Draft Pages

Search

### FrontPage

« Back

Content | Details | History | Incoming Links | Outgoing Links | Attachments

Version: 1.2 | Status: **Approved**

**Format**

- HTML
- Creole
- HTML**
- MediaWiki

Normal

Size | A | A | B | I | U | abc | X<sub>2</sub> | X<sup>2</sup>

← → ↶ ↷ ↺ ↻ ↸ ↹ ↻ ↻ ↻ ↻ ↻ ↻ ↻ ↻ ↻

Source | 🌐 | 📄 | 📁 | 📅 | 📌 | 📍 | 📎 | 📏 | 📐 | 📊 | 📋 | 📌

New wiki page.

body p

**Description of the Changes**

This is a minor edit.

▼ **Categorization**

**Tags**

liferay 6.1 features ✕

+ Add 🔍 Select 💬 Suggestions

▶ **Related Assets**

💡 A new version will be created automatically if this content is modified.

Save as Draft | Preview | Publish | Cancel

### Categories Navigation

There are no categories.

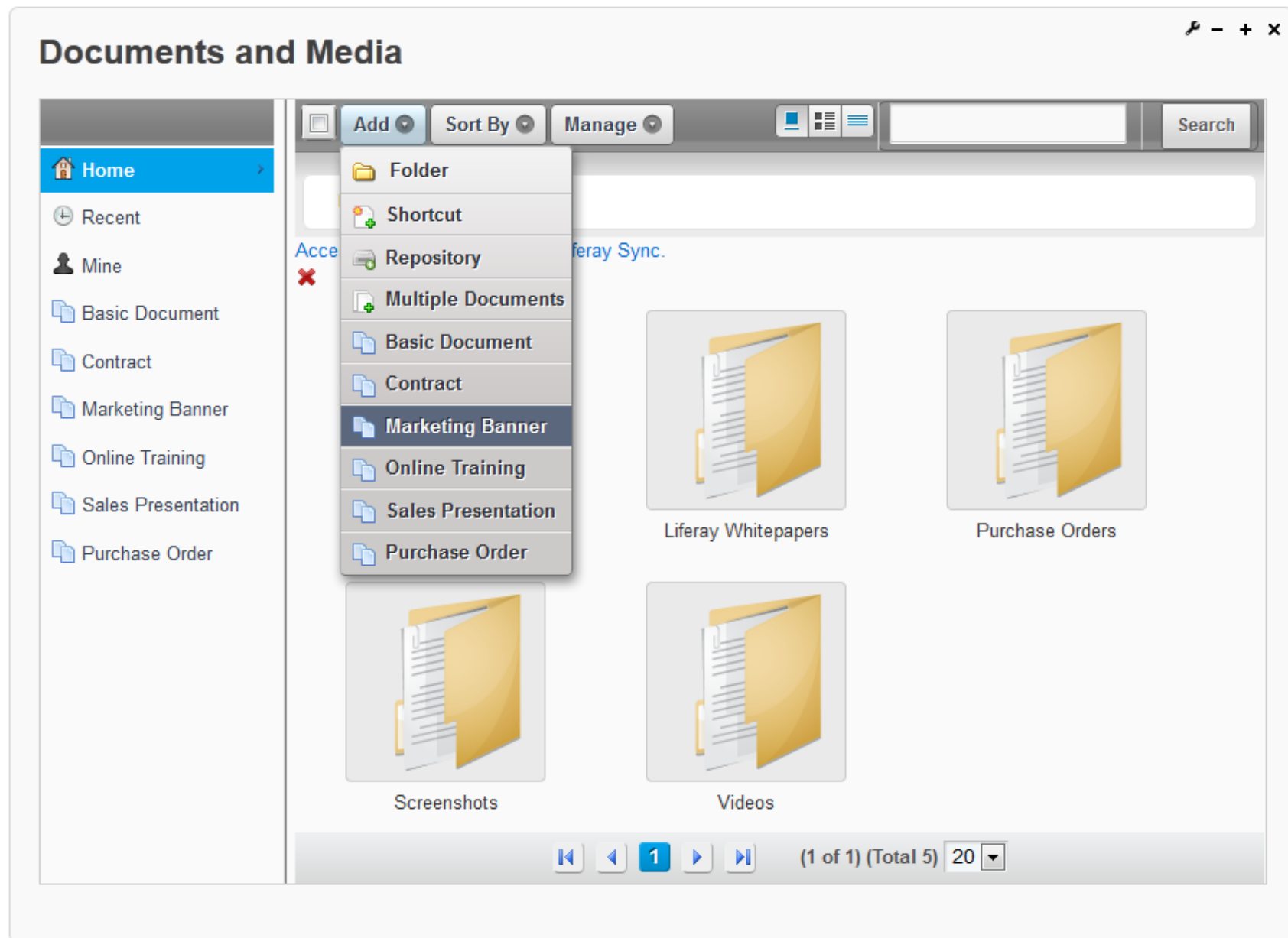
### Tags Navigation

- [austria](#)
- [cms](#)
- [custom content types](#)
- [documents and media](#)
- [hungary](#)
- [javaee](#)
- [liferay](#)
- [liferay 6.1 features](#)
- [screenshots](#)
- [whitepapers](#)

# Documents and Media Lib portlet

The screenshot shows a web-based interface for managing documents and media. The window title is "Documents and Media". On the left is a navigation sidebar with a "Home" button and a list of document types: "Recent", "Mine", "Basic Document", "Contract", "Marketing Banner", "Online Training", "Sales Presentation", and "Purchase Order". The main area has a toolbar with "Add", "Sort By", and "Manage" buttons, a search bar, and a "Home" breadcrumb. Below the breadcrumb, there is a link to "Access these files offline using Liferay Sync." with a red "X" icon. Five folder icons are displayed in a grid, labeled "Images", "Liferay Whitepapers", "Purchase Orders", "Screenshots", and "Videos". At the bottom, there are navigation arrows, a page indicator "(1 of 1) (Total 5)", and a dropdown menu set to "20".

# Adding a new document



# Adding a new document

**Documents and Media**

**New Marketing Banner** [Back](#)

Upload documents no larger than 3000000k.

Folder  
Home

File

Title

Description

Select  
Strong Company

Campaign Theme  
Your Trusted Advisor

Business Goal  
Awareness

Needs Legal Review  
 Yes  
 No

Banner Name

Description

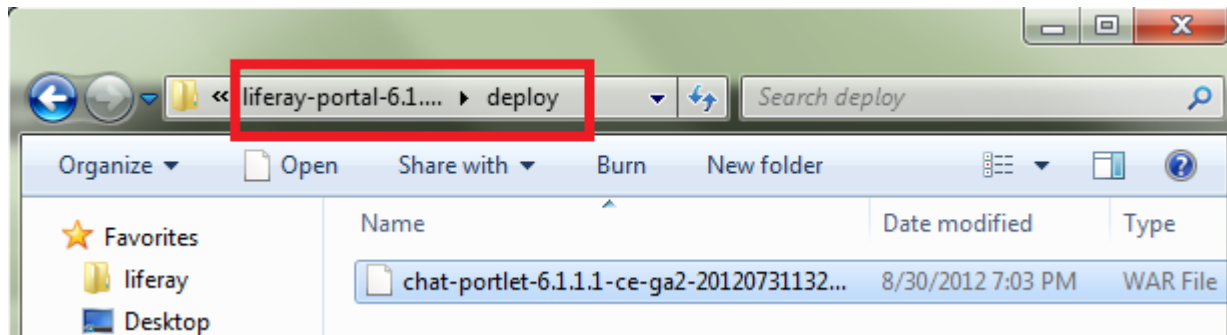
▼ Categorization

Tags

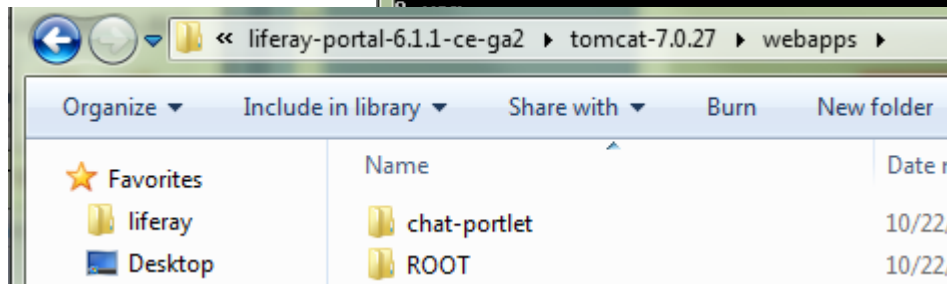
► Related Assets

Permissions  
Viewable by  [More Options](#)

# Deploying the chat portlet

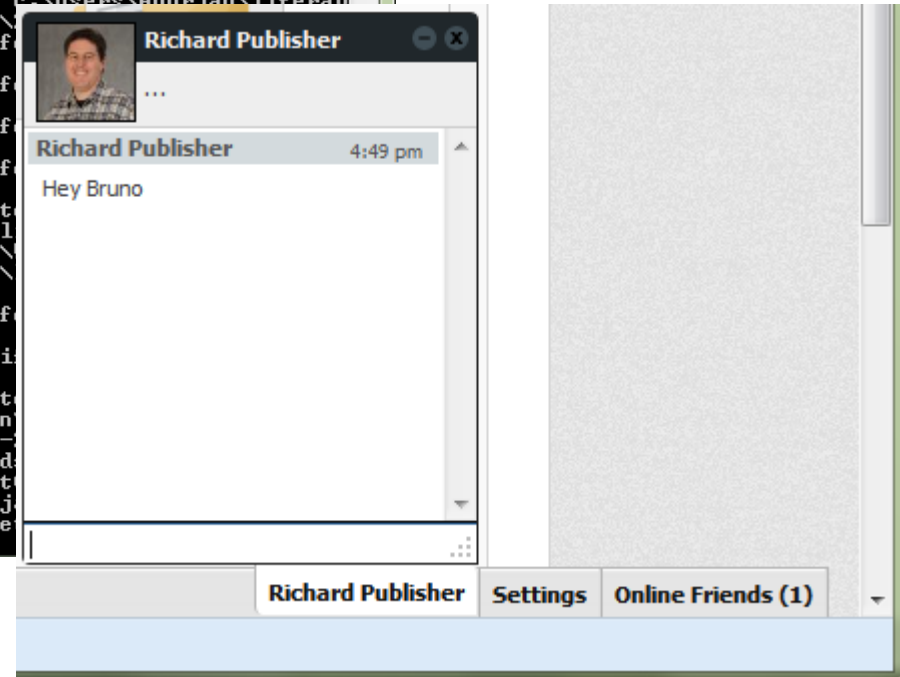


```
15:47:15,509 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][AutoDeployDir:177] Processing chat-portlet-6.1.1.1-ce-ga2-20120731132656558.war
15:47:15,509 INFO [com.liferay.portal.kernel.deploy.auto.AutoDeployScanner][PortletAutoDeployListener:77] Copying portlets for c:\Users\Adorjan\liferay\bundles\liferay-portal-6.1.1-ce-ga2\deploy\chat-portlet-6.1.1.1-ce-ga2-2012073113265655
```

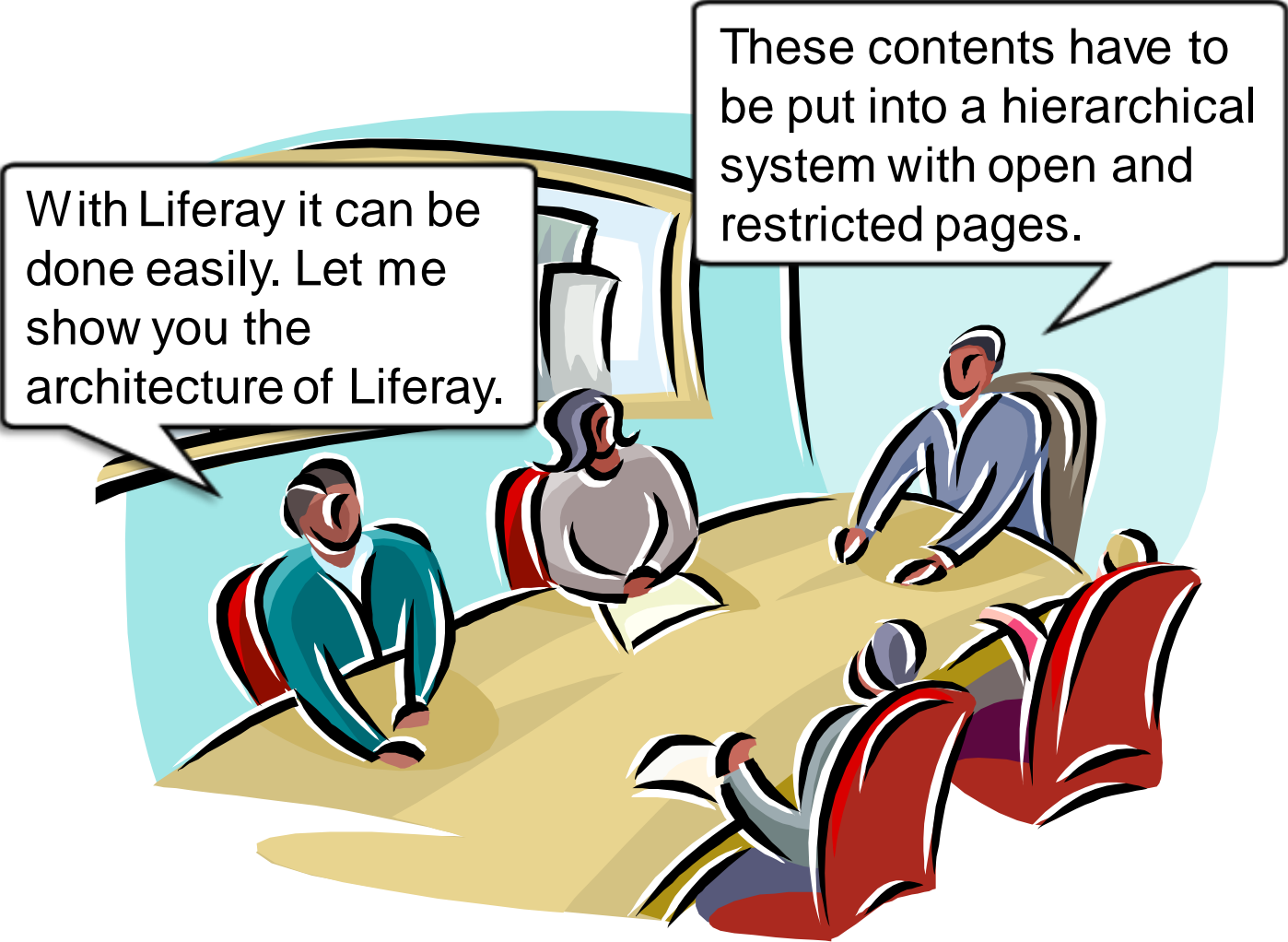


```
ernal.deploy.auto.AutoDeployScanner][Basic
1.1.1-ce-ga2-20120731132656558.war
ndles\liferay-portal-6.1.1-ce-ga2\deploy
565558.war into c:\Users\Adorjan\liferay
cat-7.0.27\temp\
eray\bundles\lif
B-INF
eray\bundles\lif
B-INF\classes
eray\bundles\lif
B-INF\classes
eray\bundles\lif
B-INF\jsp
```

```
15:47:17,442 INFO [com.liferay.portal.kernel.deploy.auto
eDeployer:2083] Modifying Servlet 2.4 c:\Users\Adorjan\l
ortal-6.1.1-ce-ga2\tomcat-7.0.27\temp\20121022154715571\
Copying 277 files to c:\Users\Adorjan\liferay\bundles\
ga2\tomcat-7.0.27\webapps\chat-portlet
Copying 1 file to c:\Users\Adorjan\liferay\bundles\lif
\tomcat-7.0.27\webapps\chat-portlet
Deleting directory c:\Users\Adorjan\liferay\bundles\lif
2\tomcat-7.0.27\temp\20121022154715571
15:47:18,713 INFO [com.liferay.portal.kernel.deploy.aut
tletAutoDeployListener:87] Portlets for c:\Users\Adorjan
-portal-6.1.1-ce-ga2\deploy\chat-portlet-6.1.1.1-ce-ga2-
pied successfully. Deployment will start in a few second
Oct 22, 2012 3:47:24 PM org.apache.catalina.startup.Host
INFO: Deploying web application directory C:\Users\Adorj
ay-portal-6.1.1-ce-ga2\tomcat-7.0.27\webapps\chat-portle
```



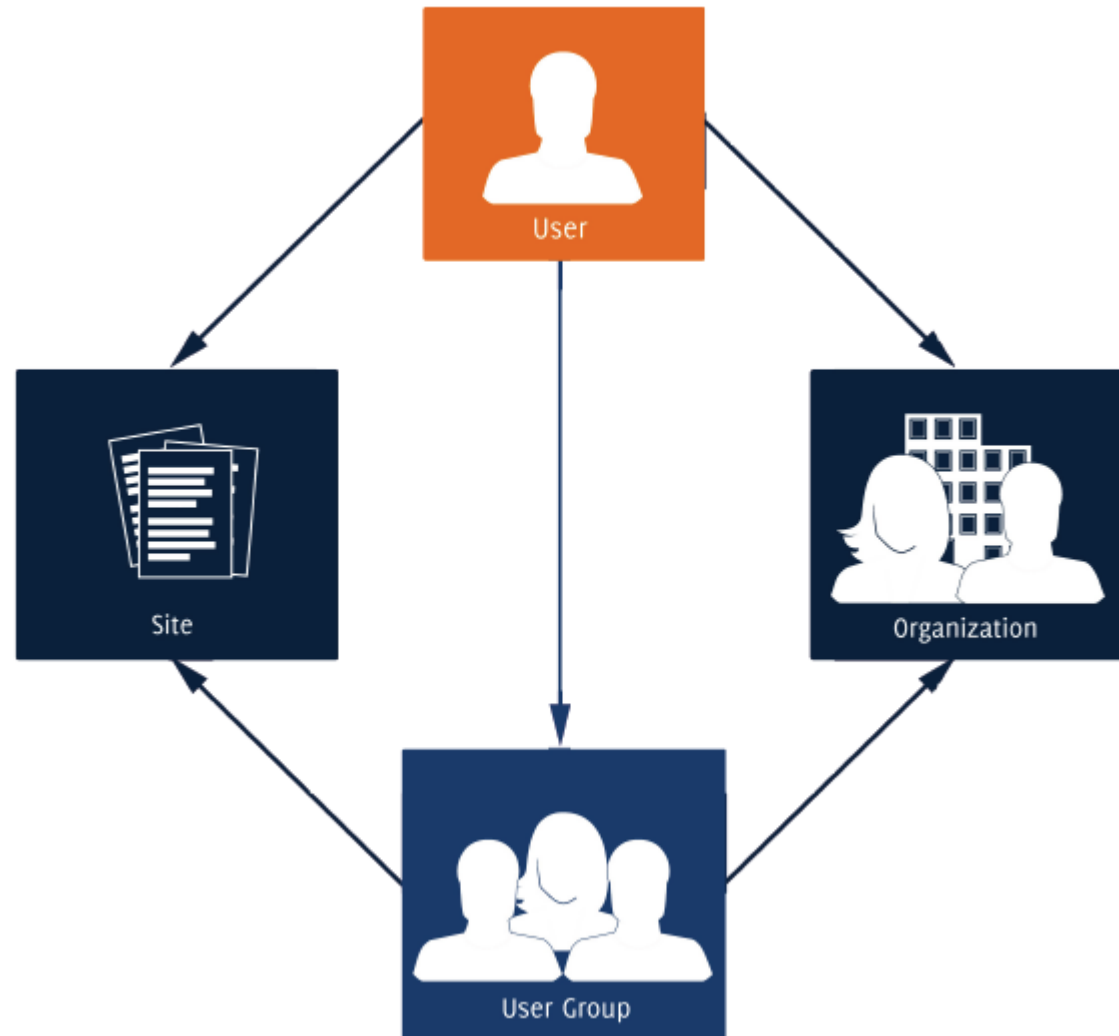




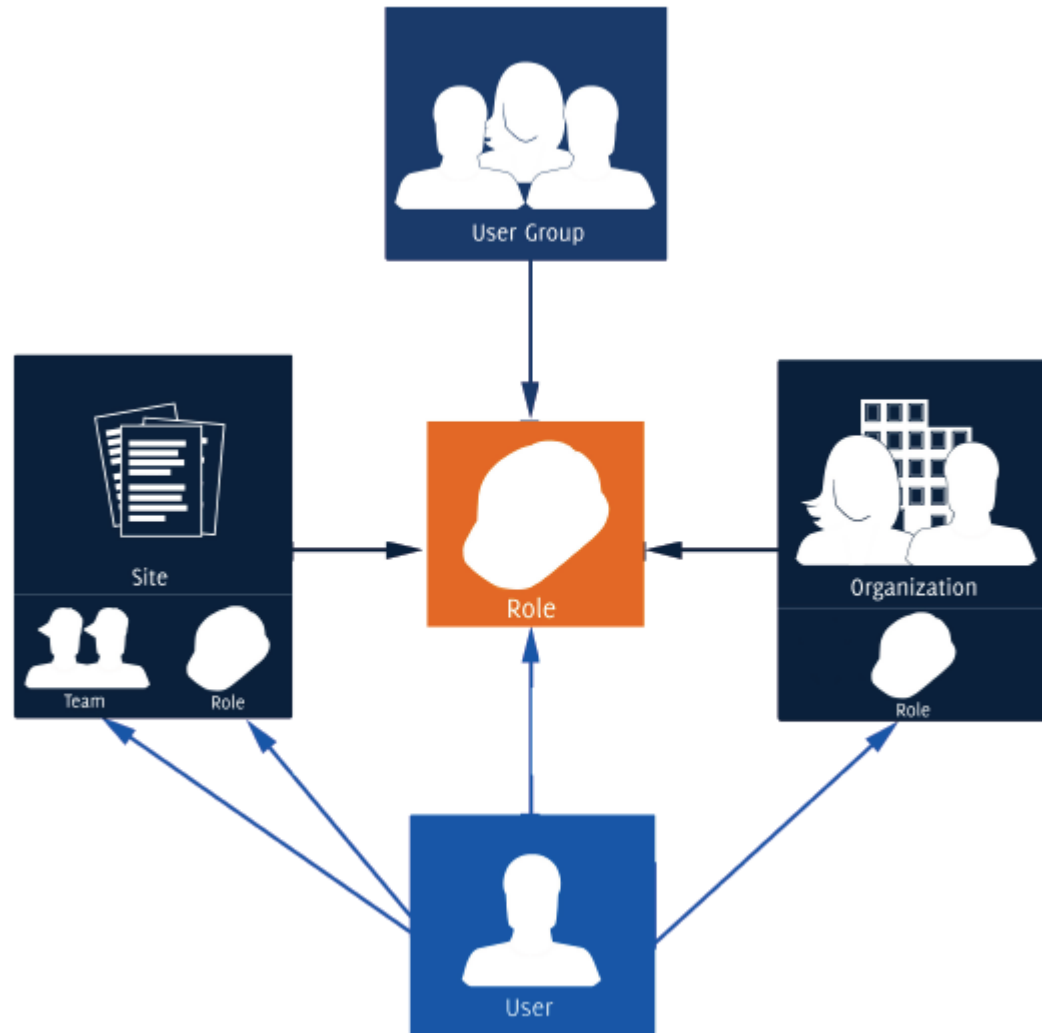
With Liferay it can be done easily. Let me show you the architecture of Liferay.

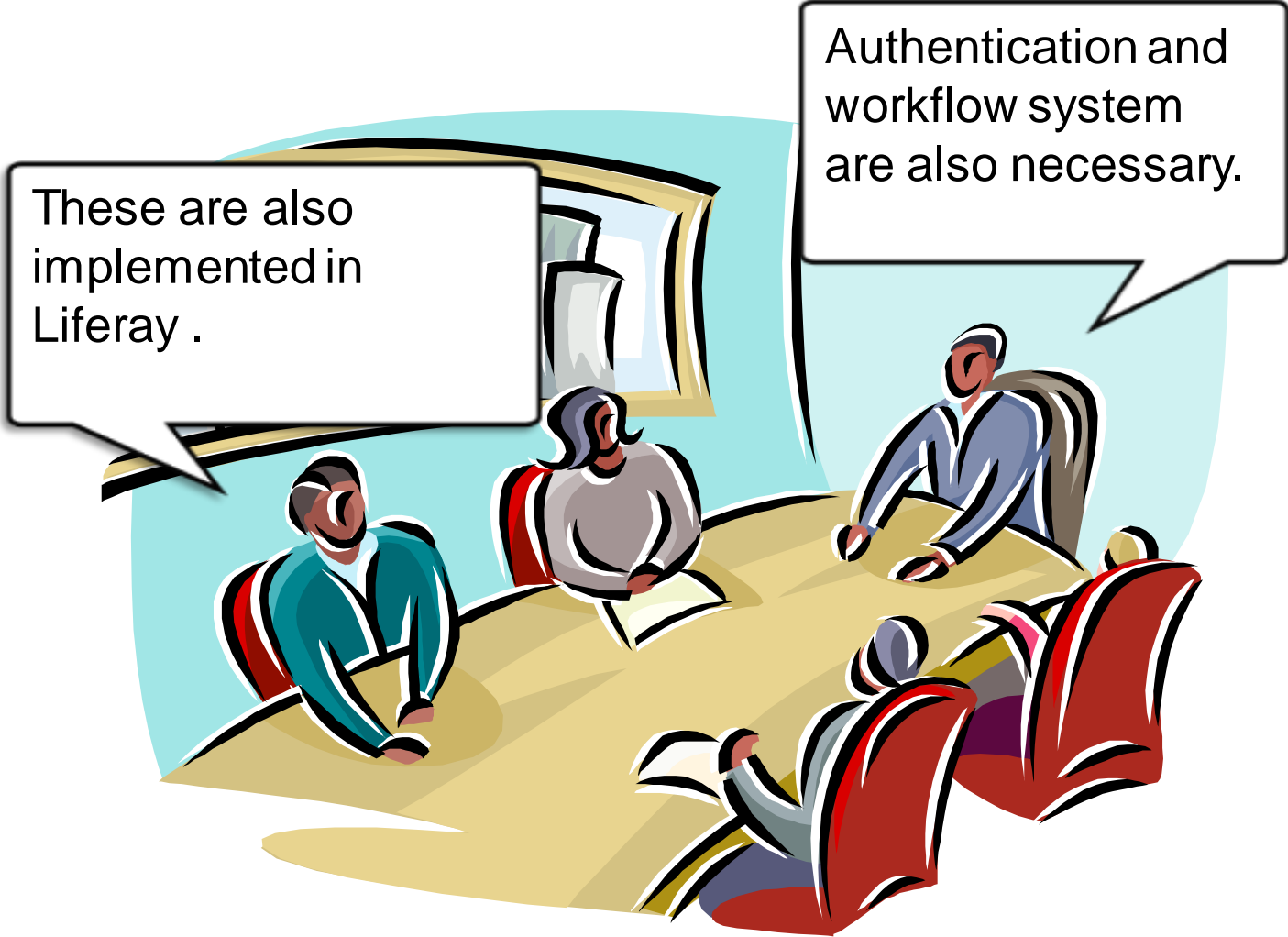
These contents have to be put into a hierarchical system with open and restricted pages.

# Liferay Portal membership



# Liferay Portal permissions





These are also implemented in Liferay .

Authentication and workflow system are also necessary.

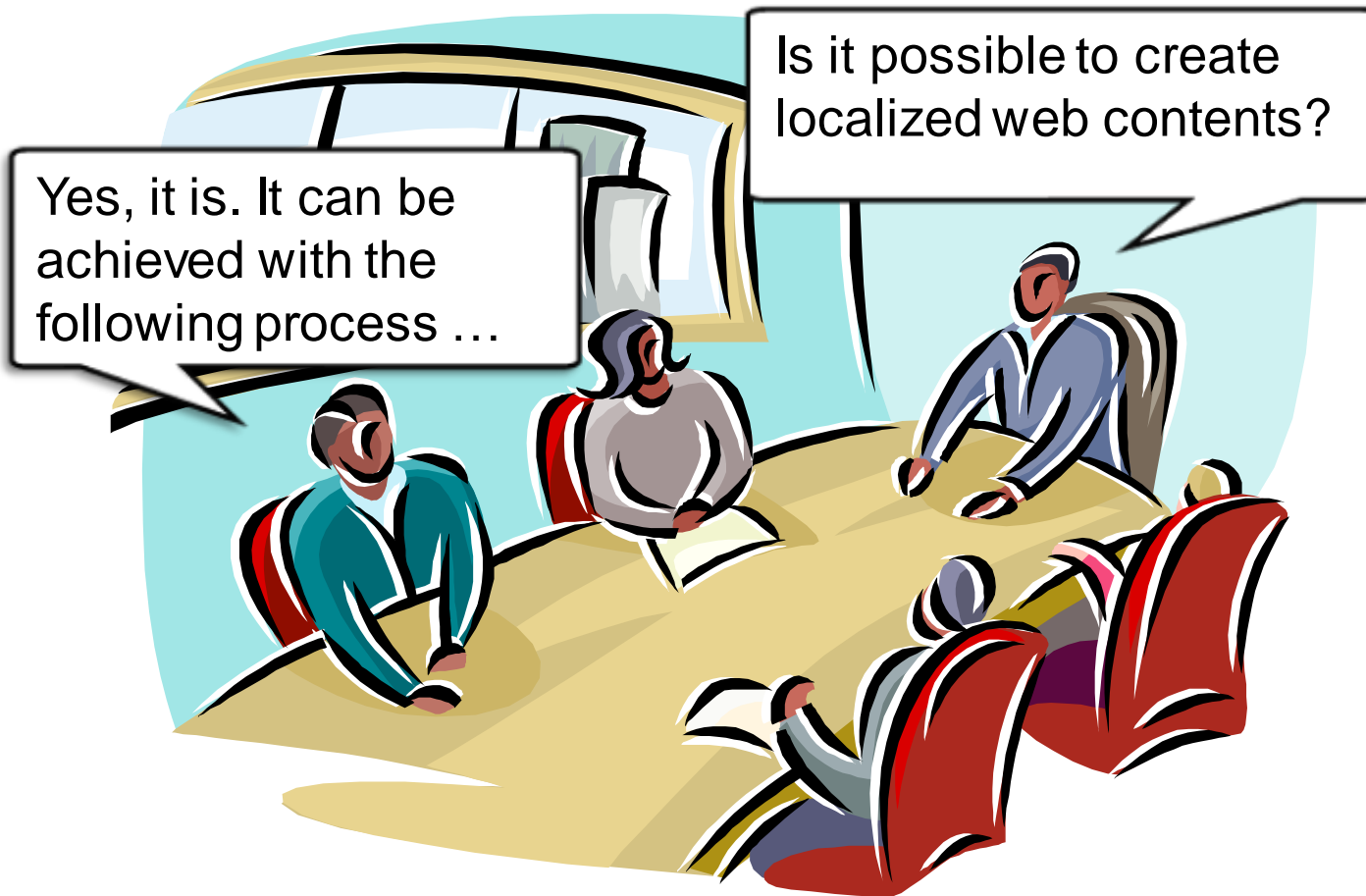
# Live demo

Workflow:

<http://www.liferay.com/documentation/liferay-portal/6.1/user-guide/-/ai/workflow-with-kal-4>

<http://www.liferay.com/documentation/liferay-portal/6.1/user-guide/-/ai/lp-6-1-ugen02-using-liferays-workflow-with-wcm-1>





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

Is it possible to create localized web contents?

# Live demo

Localized web contents:

<http://www.liferay.com/documentation/liferay-portal/6.1/user-guide/-/ai/lp-6-1-ugen06-using-liferays-rules-engine-0>



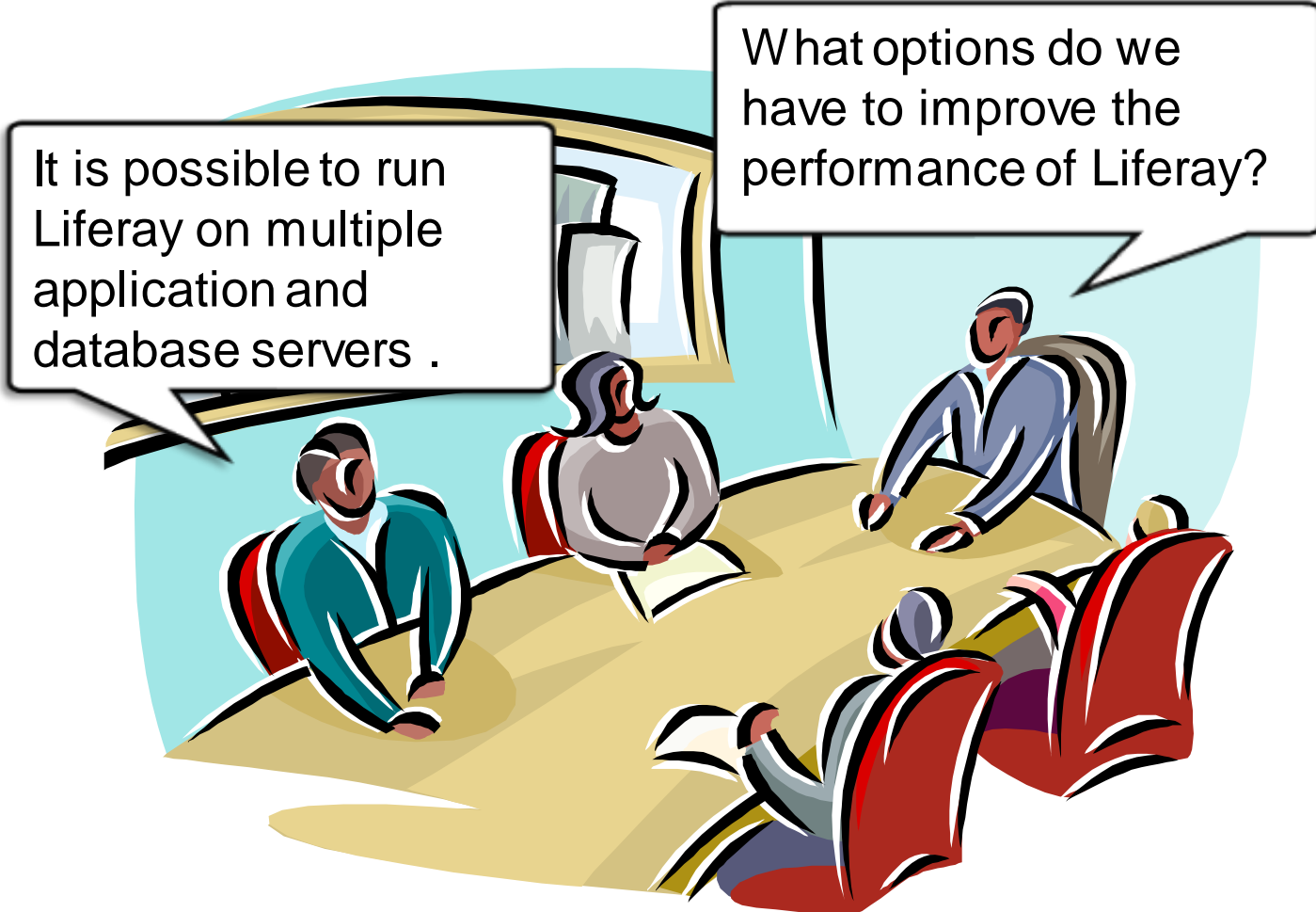
With Staging it can be achieved.

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

# Live demo

Staging:

<http://www.liferay.com/documentation/liferay-portal/6.1/user-guide/-/ai/lp-6-1-ugen03-staging-and-workflow-0>

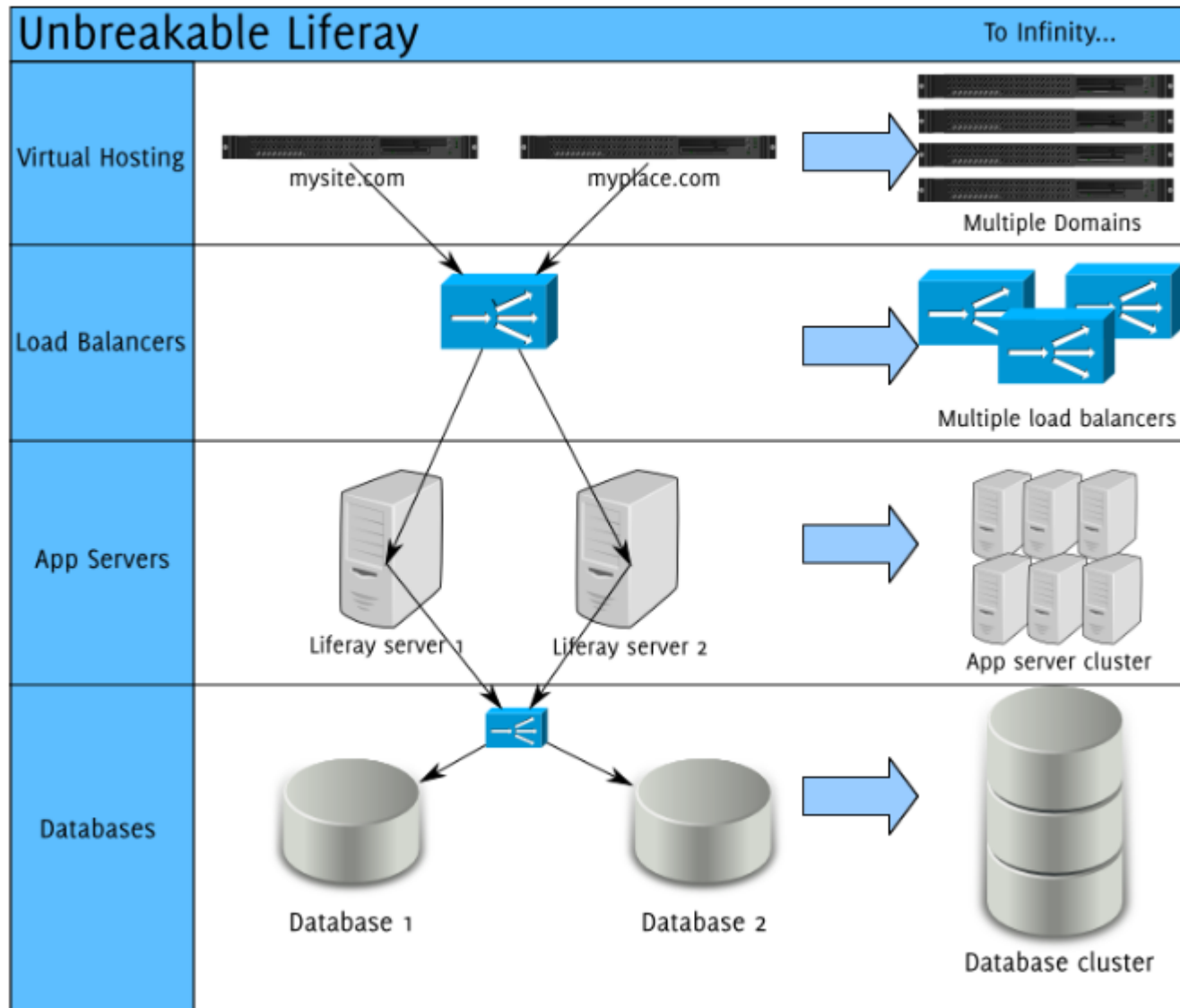
An illustration of a meeting with five people sitting around a table. Two speech bubbles are present: one on the left containing the text 'It is possible to run Liferay on multiple application and database servers .' and one on the right containing the text 'What options do we have to improve the performance of Liferay?'.

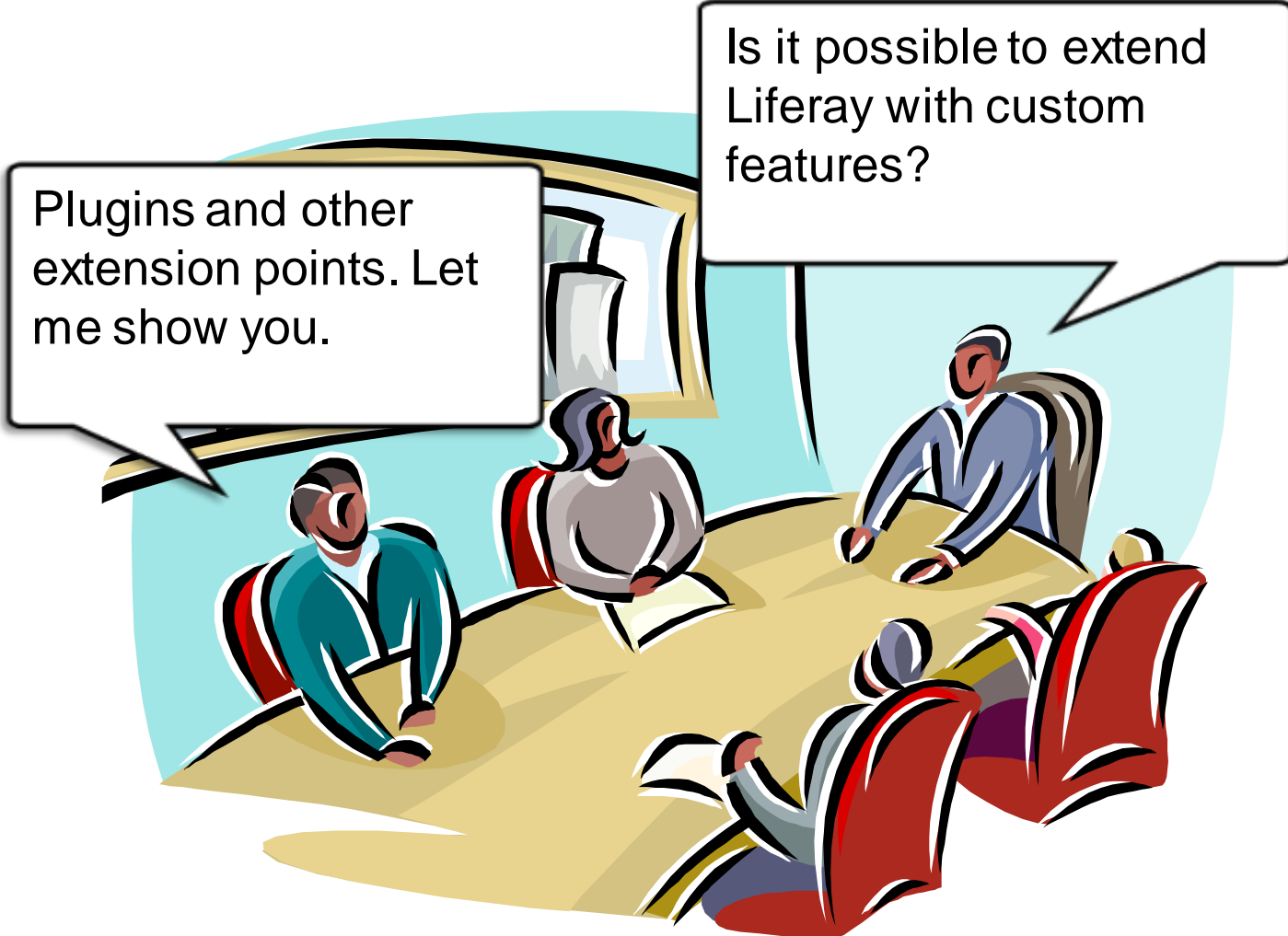
It is possible to run Liferay on multiple application and database servers .

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



# Clustering & database Sharding





Plugins and other extension points. Let me show you.

Is it possible to extend Liferay with custom features?

# Extension points

	IFRAME	WEB PROXY	WSRP	FULL INTEGRATION
Key differences between Liferay's integration options				
Difficulty	Easy	Easy	Medium	Complex
Authentication Options	HTTP Basic, Form	HTTP Basic, NTLM	Custom	Native
Authorization Options	None	None	Custom	Native
Customizations	None	Medium	None	Easy
Resource Usage	Low	Low to Medium	High	Low
Access to Liferay Artifacts	None	Low	High	High

# Plugins

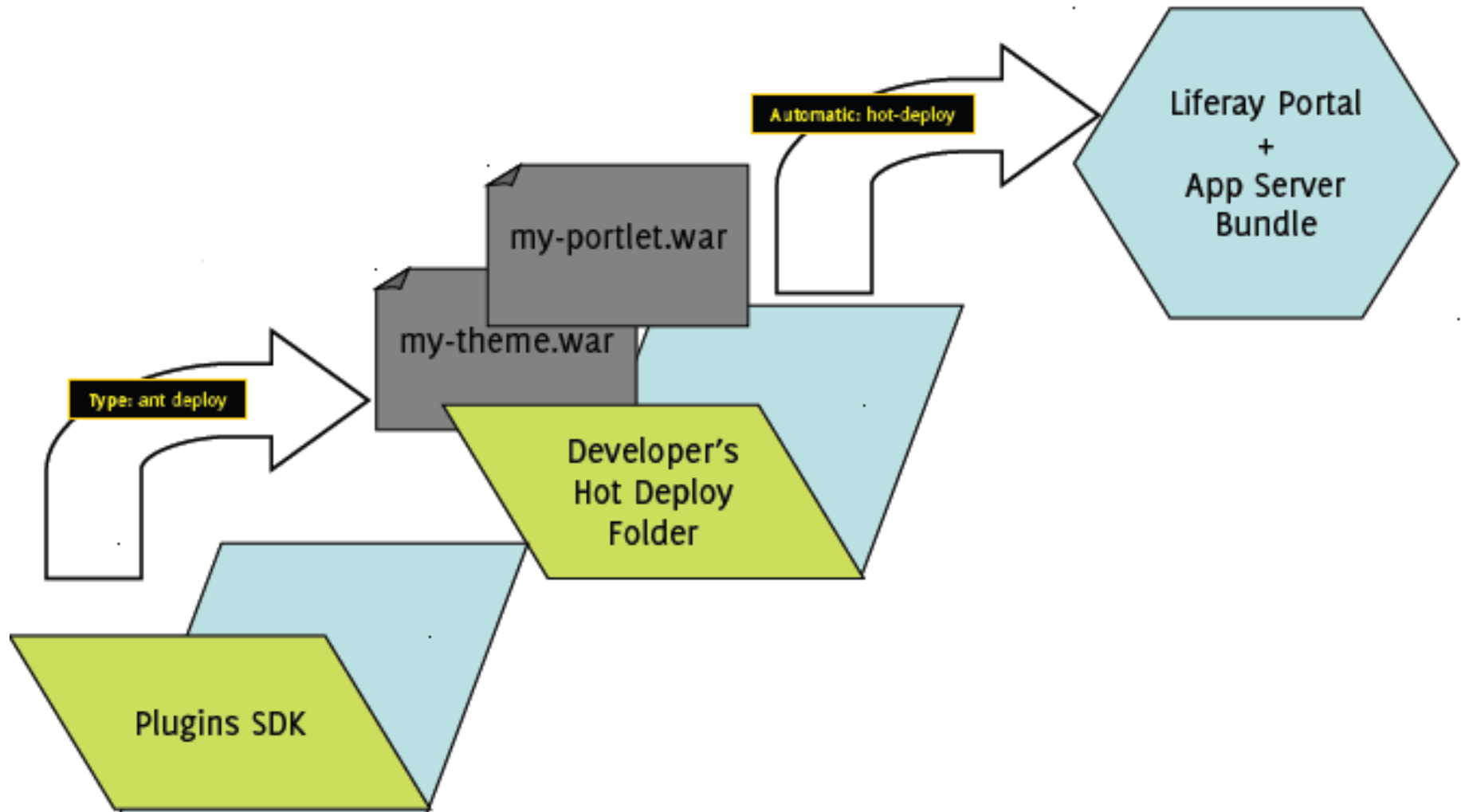
- Portlets
- Themes
- Layout Templates
- Web Modules
- Hooks
- Ext Plugins

# Tools for developers

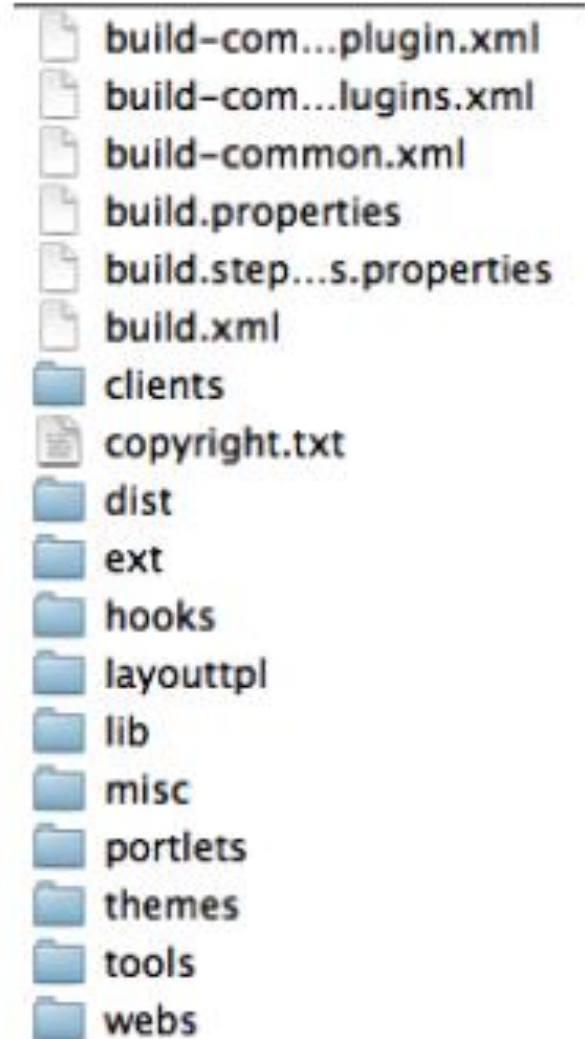
- Plugins SDK
- Eclipse Liferay plugin (Liferay IDE)
- Developer Studio (EE only)



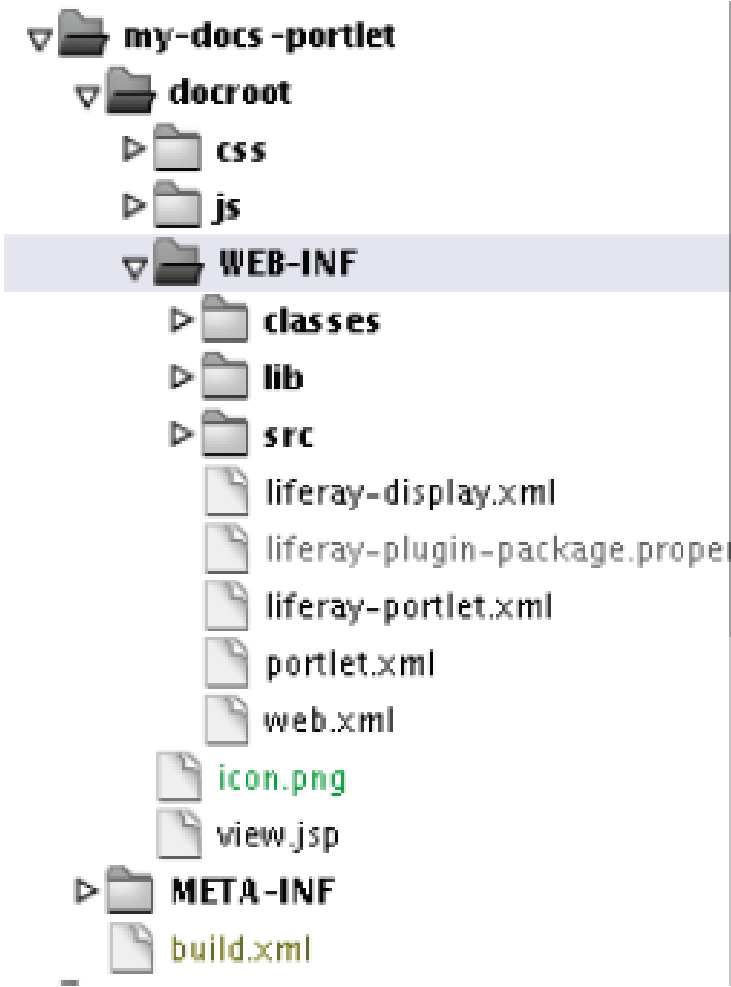
# Plugins SDK – How it works?



# Plugins SDK layout

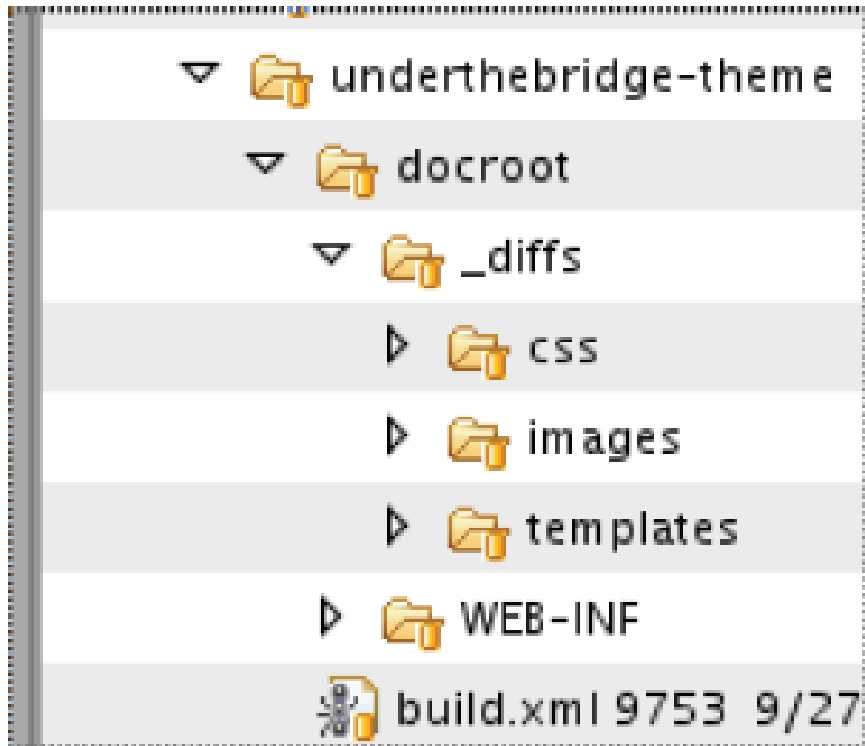


# Portlets



- 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

Page



Freeform



1-2 Columns  
(70/30)



1 Column



1-2-1 Columns



2 Columns  
(50/50)



2-2 Columns

- 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!)

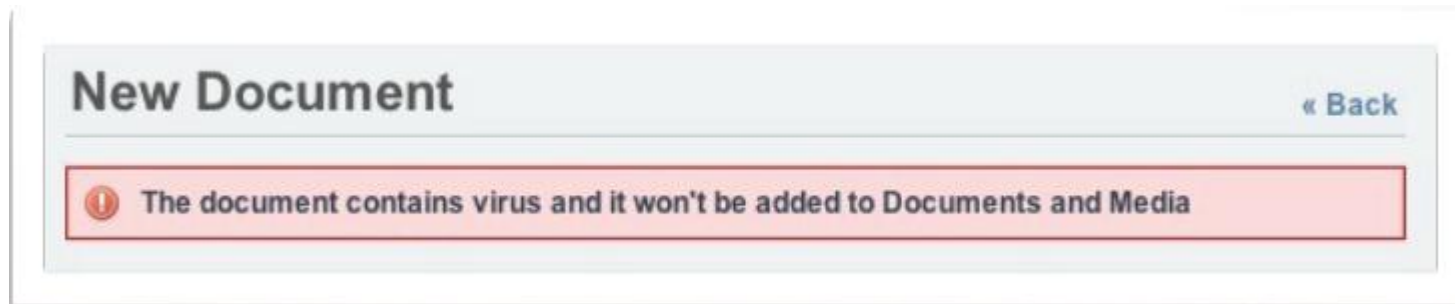
Examples:

- 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](mailto: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:

<http://www.liferay.com/documentation/liferay-portal/6.1/user-guide>

Liferay developer guide:

<http://www.liferay.com/documentation/liferay-portal/6.1/development>



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# Thank you! Questions?

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