



# Liferay Overview

**Marco Tessarin**

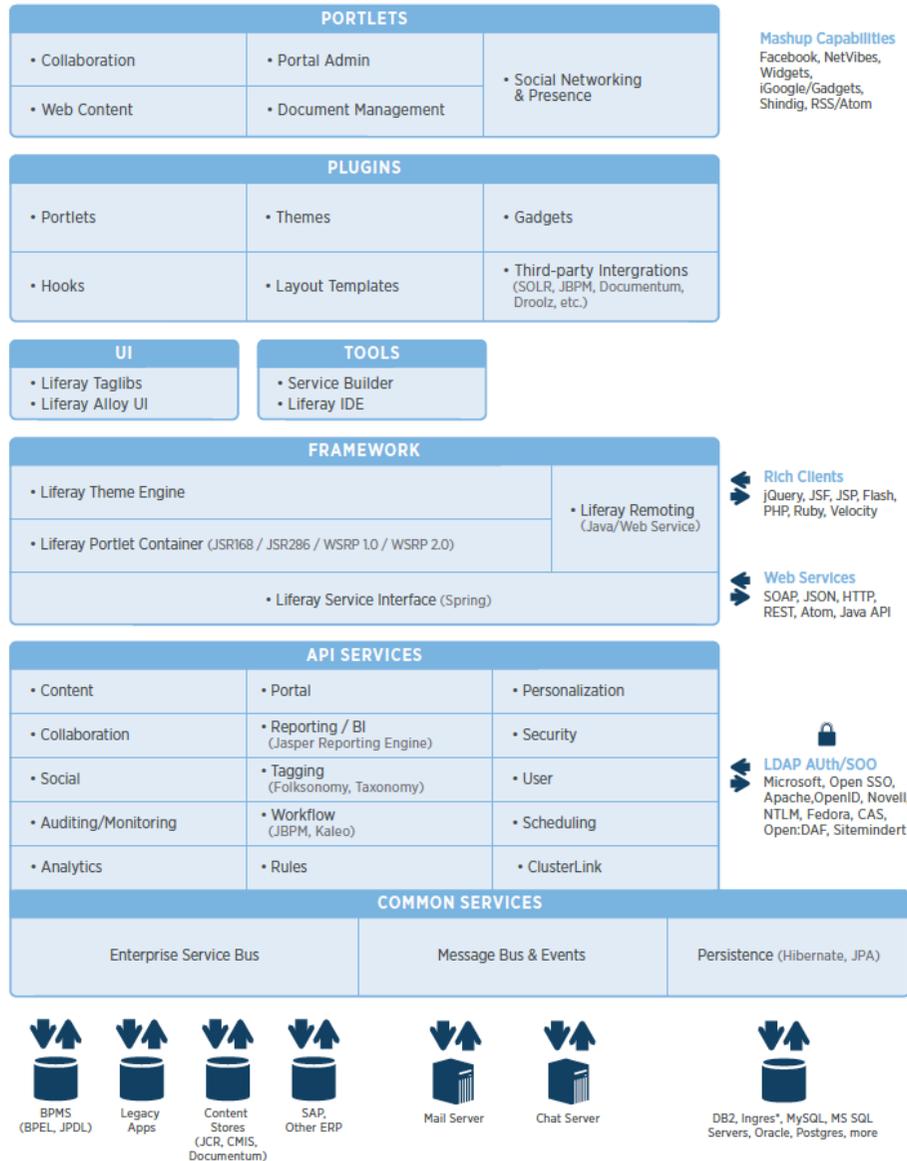
Amministratore Delegato, SMC Treviso

Liferay - Italian Partners Ecosystem

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# Perchè Liferay?



- Open Source
- Portal Architecture
- Enterprise Platform



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Liferay is Open Source

**~6 Million Downloads**

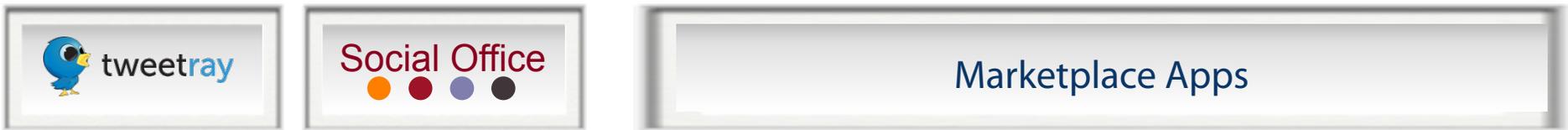
**540K+ Deployments**

**46,986 IDE Downloads**

**234,400 Messages**

**11 Amazing Years**

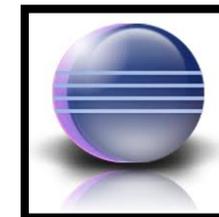




Service Builder



Plug-in Architecture

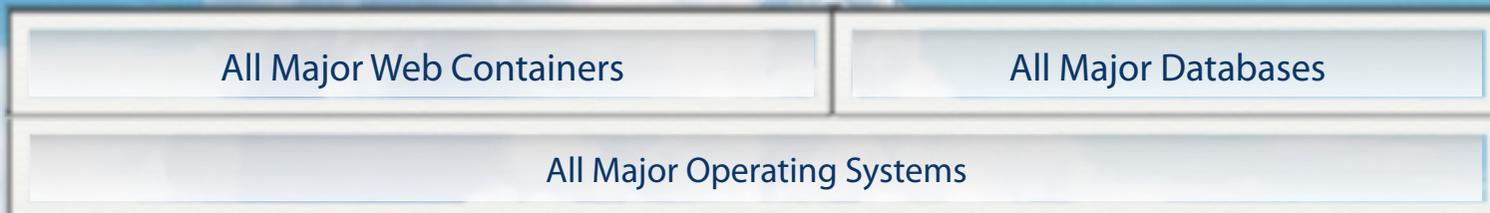


Developer Studio

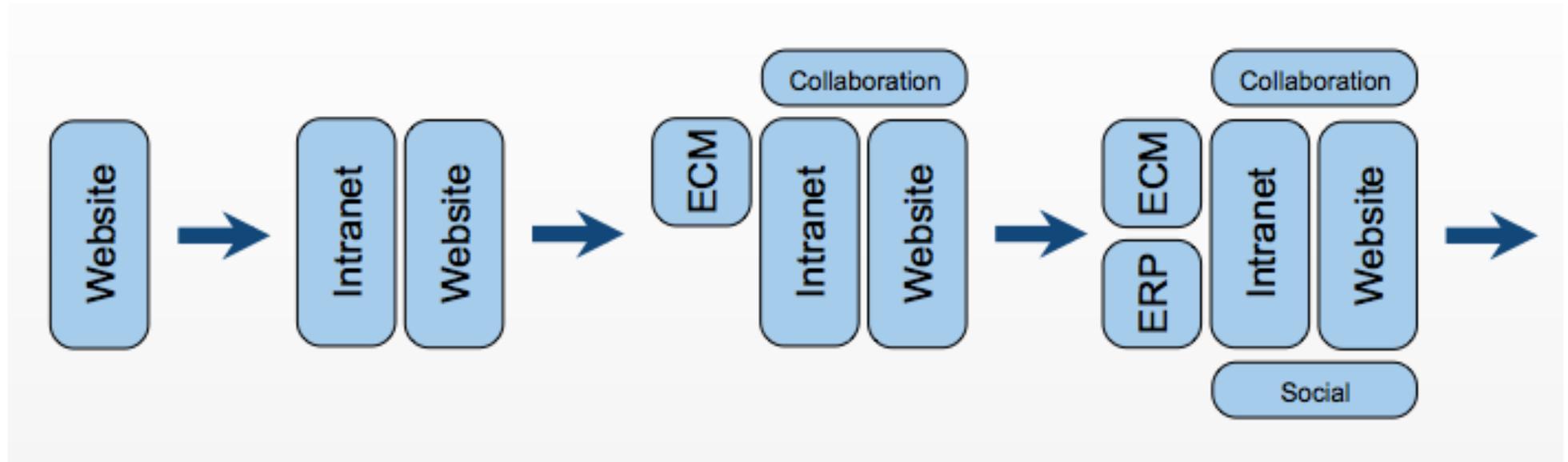
Enterprise integrations,  
SOAP, Web Services



Web integrations,  
Mashups, REST



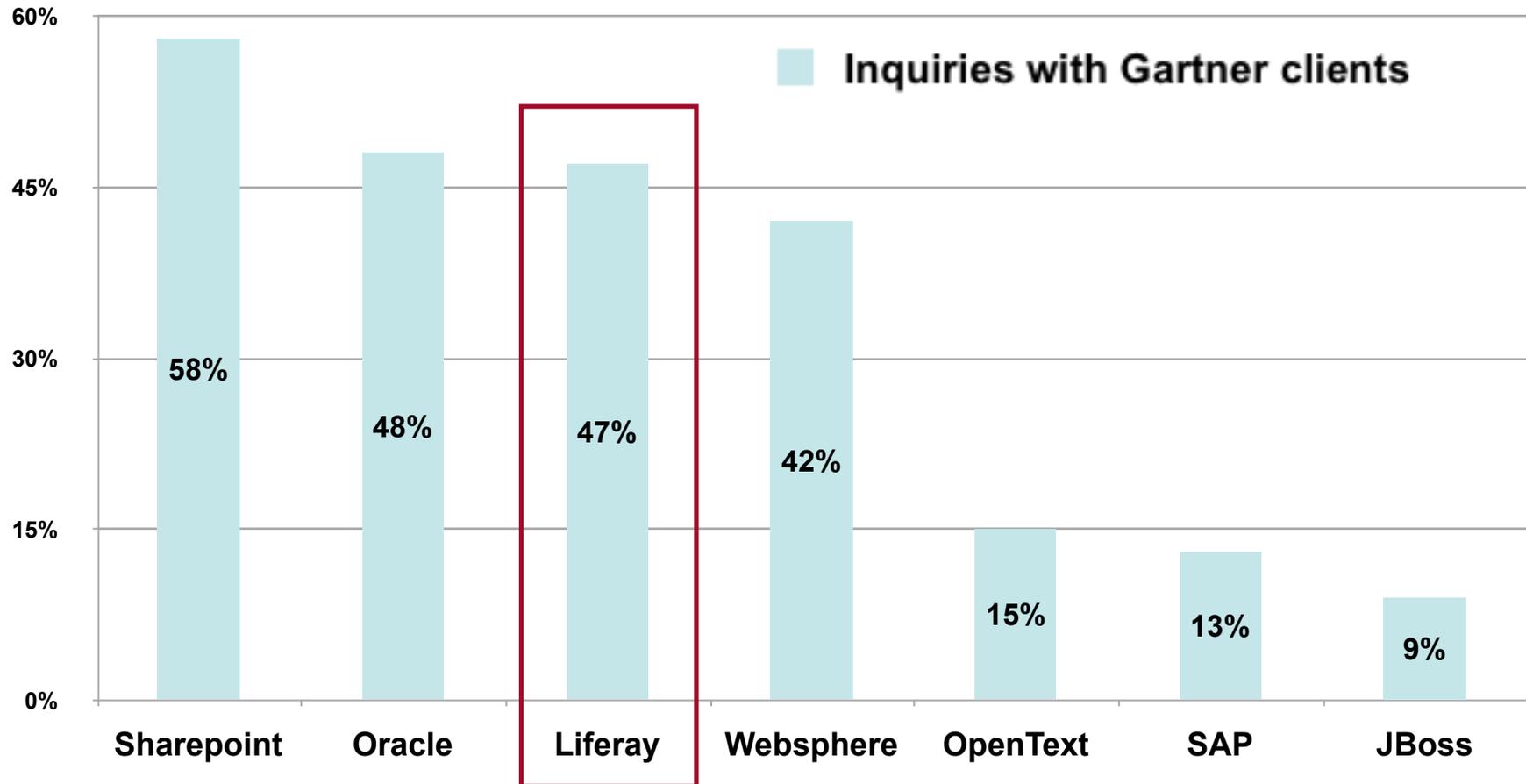
# Liferay Portal Platform



# Enterprise Leader



Liferay garners as much interest in the portal market as its far larger competitors.



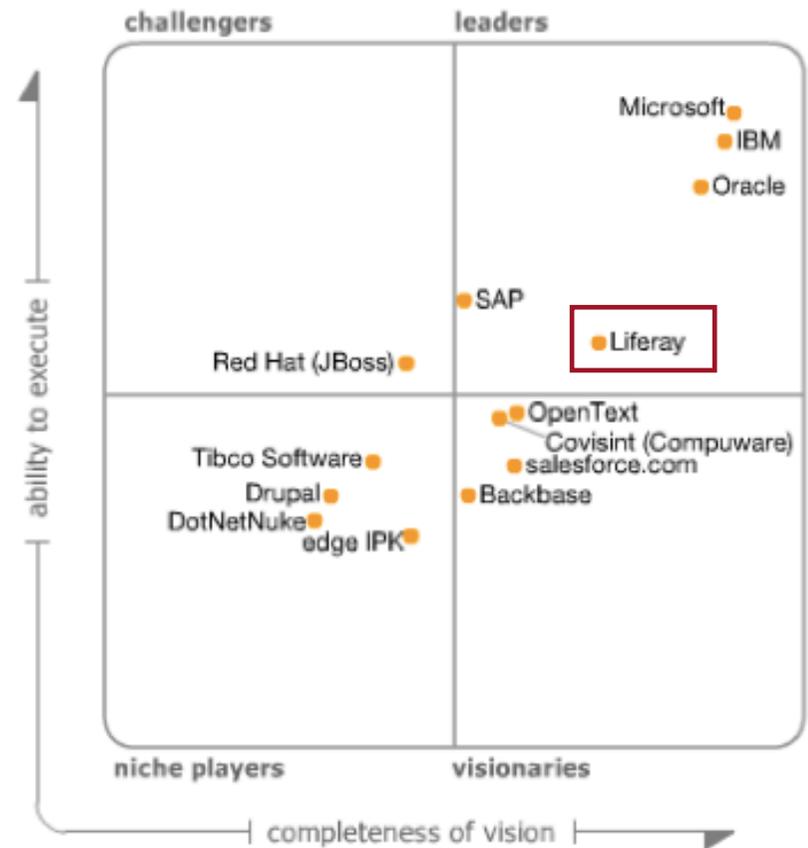
# Enterprise Leader



“Liferay's open-source success is due to its sharp focus, functional excellence, and ease of development and deployment, as much as cost.”

## Magic Quadrant

Figure 1. Magic Quadrant for Horizontal Portals



As of October 2011

Source: Gartner (October 2011)

# Liferay – Our Company

- Global commercial Open Source company since 2004
- 300+ Employees worldwide
- 200%+ revenue growth in 2011



# Global Presence



# Liferay – Italian Partner Ecosystem

- Presenza sul territorio
- Specializzazione LR EE
- Formazione



Centri di competenza  
Prossime coperture

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# Liferay come ....

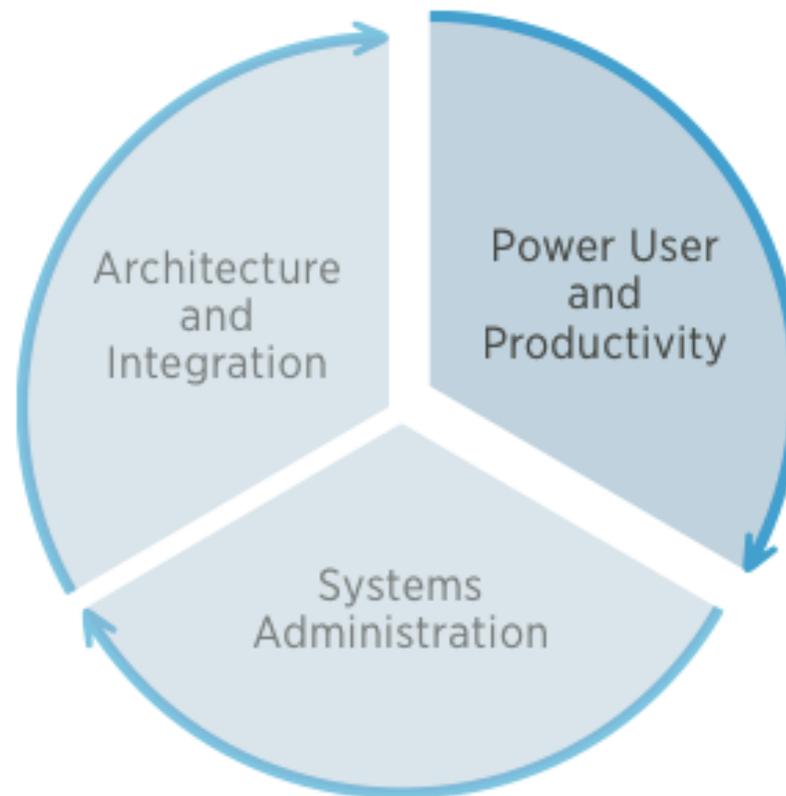
- ... Piattaforma per la Gestione di Siti
- ... Sistema Gestione Documentale
- ... Sistema per la Gestione di Contenuti Web
- ... Piattaforma di Produttività Aziendale
- ... Piattaforma di Sviluppo, Integrazione e Deploy

NEW FEATURES IN 6.1



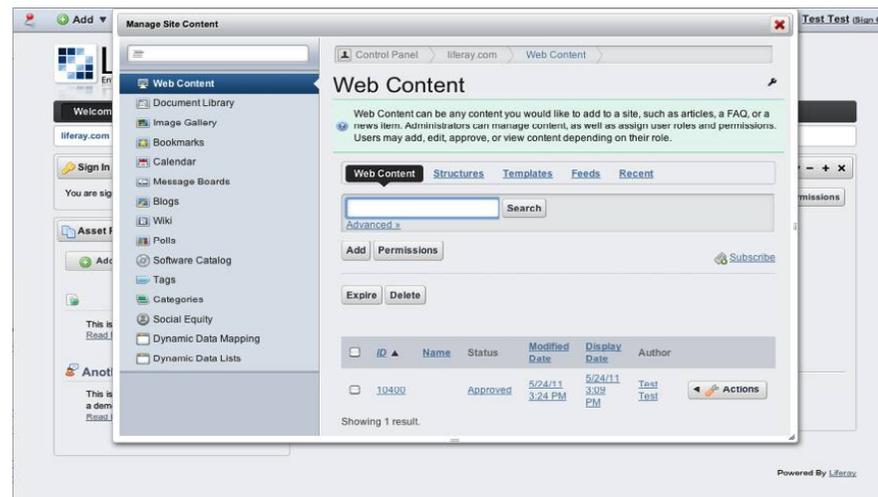
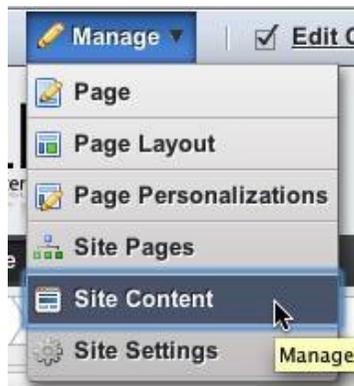
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# Piattaforma di Gestione Siti



# Modelli di Siti Dinamici

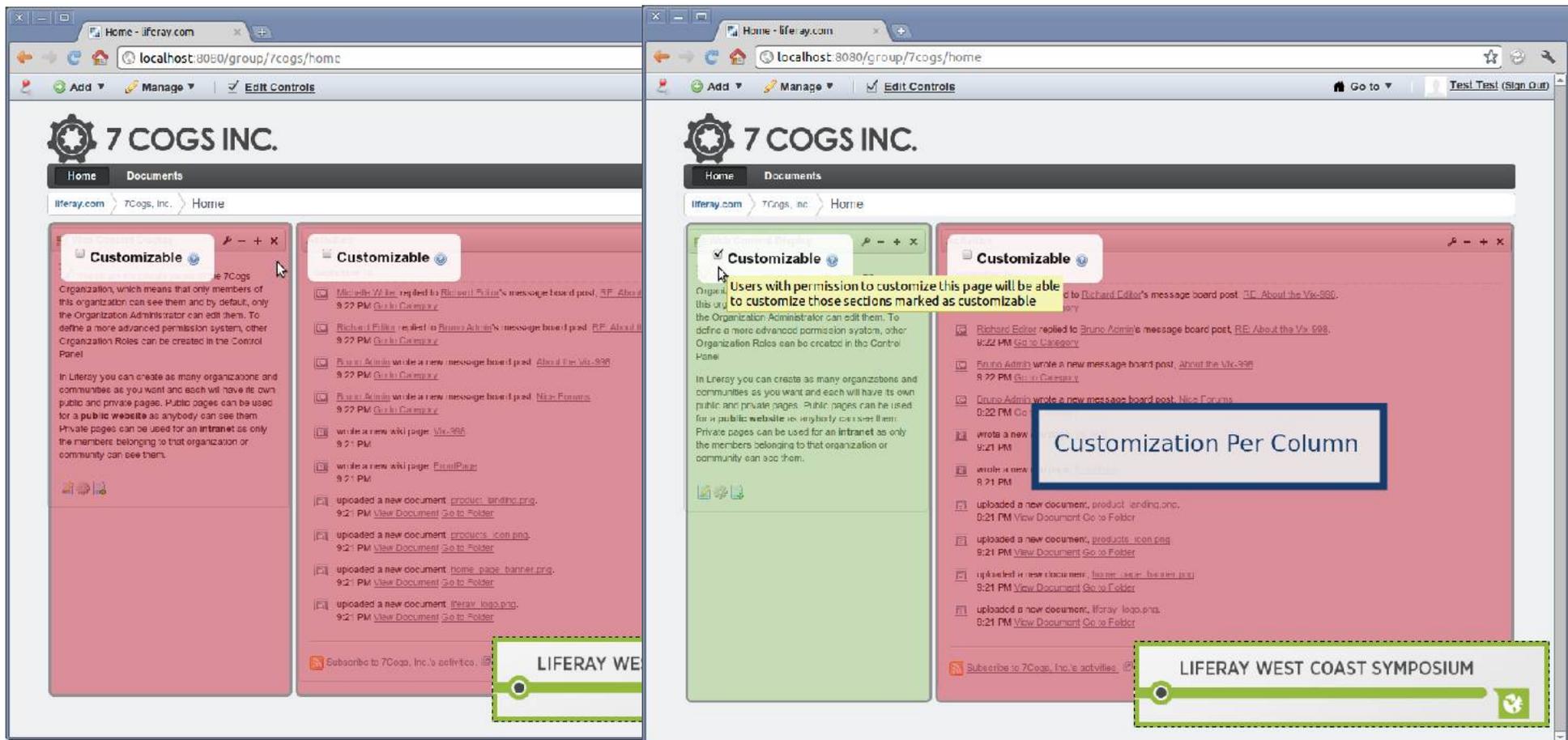
1. Gli amministratori dei siti determinano quali aree delle pagine vengono controllate dal template / modello
2. I siti mantengono una connessione con il loro template
3. Quando viene fatta una modifica a un'area controllata dal template, questa è automaticamente applicata a tutti I siti



Fate i cambiamenti una volta soltanto, per ottenerli in migliaia di siti!

# Siti Personalizzabili dall'Utente

Gli amministratori dei siti rendono certe aree delle pagine, personalizzabili dall'utente finale.



# Staging Versionato

🔍 |  **Edit Controls** 🏠 Go to ▾ |  **Julio Camarero** (Sign Out)

**Live** | **Staging**

 Page Home was last published from *Main Variation*. (📄 Version: 11004 )  
© 12 Hours ago by Julio Camarero



# Book Store

[HOME](#) [AUTHORS](#) [BOOKS](#)

Book Store Home

 **Web Content Display**

Welcome to the Book Store! Find the latest books and authors

 **Last Authors**

 **Paulo Coelho**

Paulo Coelho was born in Rio de

 **Last Books**

 **The Alchemist**

The Alchemist details the journey of an Andalusian shepherd boy named Santiago. Santiago, believing a recurring dream to be prophetic, decides to travel to the pyramids...  
[View »](#)

 **The Two Towers**

The Lord of the Rings is composed of 6 "books", aside from an introduction, a prologue and 6 appendices.

# Staging Versionato

🔍 |  **Edit Controls** 🏠 Go to ▾ |  **Julio Camarero** (Sign Out)

**Live** | **Staging**

 **Page Home** was last published from *Main Variation*. (📄 Version: 11004 )  
© 12 Hours ago by Julio Camarero



# Book Store

HOME AUTHORS BOOKS

Book Store > Home

📄 Web Content Display 📄 Last Books

Welcome to the Book Store! Find the latest books and authors

📄 Last Authors

📄 **The Alchemist**

The Alchemist details the journey of an Andalusian shepherd boy named Santiago. Santiago, believing a recurring dream to be prophetic, decides to travel to the pyramids...  
[View »](#)

📄 **Paulo Coelho**

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📄 **The Two Towers**

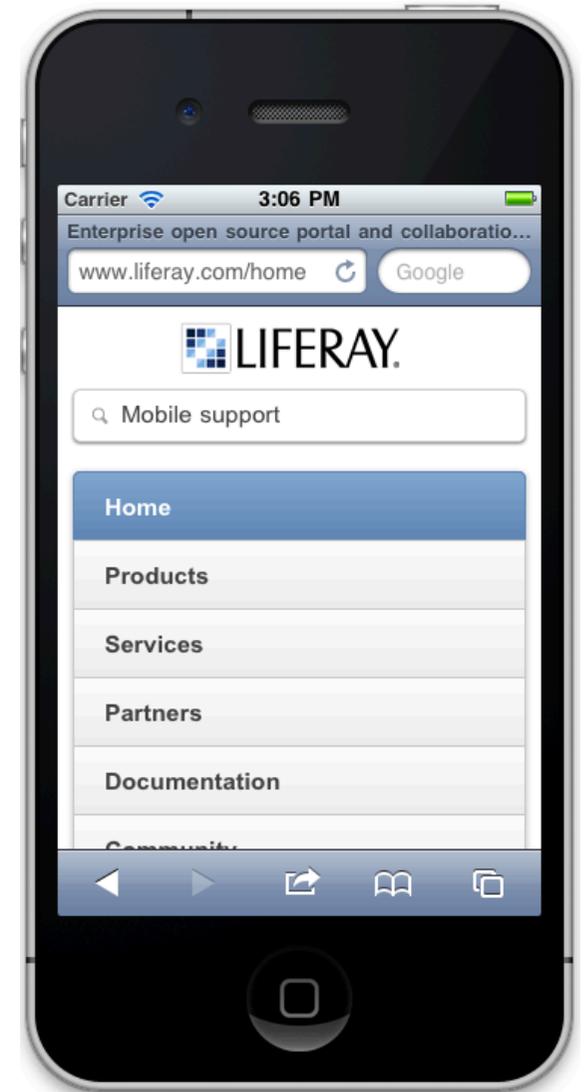
The Lord of the Rings is composed of 6 "books", aside from an introduction, a prologue and 6 appendices.

# Staging Versionato

The screenshot displays the Liferay CMS interface for a staging version of a website. At the top, there is a navigation bar with options like 'Add', 'Manage', and 'Edit Controls'. The user 'Julio Camarero' is logged in. Below this, a secondary navigation bar shows 'Live' and 'Staging' tabs, with 'Staging' selected. The main content area is titled 'Main Site Pages Variation of Book Store' and shows '3 Pages'. The current page is 'Home', version 13011, with a status of 'Draft'. Action buttons include 'Undo', 'History', and 'Mark as Ready for Publication'. The website preview shows a 'Book Store' header with a navigation menu (HOME, AUTHORS, BOOKS) and a main content area with a breadcrumb 'Book Store (Staging) > Home'. There are two tabs: 'Asset Publisher' and 'Last Books'. The 'Last Books' tab is active, showing a list of books. The first book is 'The Alchemist' by Paulo Coelho, with a description: 'The Alchemist details the journey of an Andalusian shepherd boy named Santiago. Santiago, believing a recurring dream to be prophetic, decides to travel to the pyramids...'. The second book is 'The Two Towers' by J.R.R. Tolkien, with a description: 'The Lord of the Rings is composed of 6 "books", aside from an introduction, a prologue and 6 appendices. The novel was originally published as 3 separate...'. The URL 'WWW.LIFERAY.COM' is visible at the bottom left, and the LIFERAY logo is at the bottom right.

# Mobile

- Supporto nativo migliorato per iPhone, Android, iPad, ...
- Riconoscimento Dispositivi (WURFL)
- Regole di Riconoscimento Dispositivi personalizzabili
- Framework per I temi con *layouts responsivi*
  - Permettono a una singola versione di una pagina di essere perfetta su dispositivi di tutte le dimensioni
  - Per un esempio di utilizzo, vedere [liferay.com](http://liferay.com)



# Faceted Search

The screenshot shows a web browser window displaying search results on the Liferay website. The browser's address bar shows the URL: localhost:8080/web/guest/products?p\_p\_id=38p\_p\_lifecycle=0&p\_p\_state=maximized&p\_p\_mode=view&\_3\_struts\_actic. The page header includes the Liferay logo and navigation links: Welcome, Search, Blogs, Forums, News, About. Below the header is a search bar with the text "liferay.com Search" and a search button. A "Return to Full Page" link is also present.

The search results are displayed in a table format. The left sidebar contains faceted search filters, which are highlighted with a red rounded rectangle. These filters include:

- Everything**: Document: Library Document (2), Web Content (17), Wiki Page (1)
- Any Tag**: 7coogs (9), vix-998 (7), liferay (6), features (3), products (3), documents (1), enterprise (1), front (1), home page (1), sharing (1)
- Any Category**: Products
- Any Time**: Past Hour, Past 24 Hours, Past Week, Past Month, Past Year

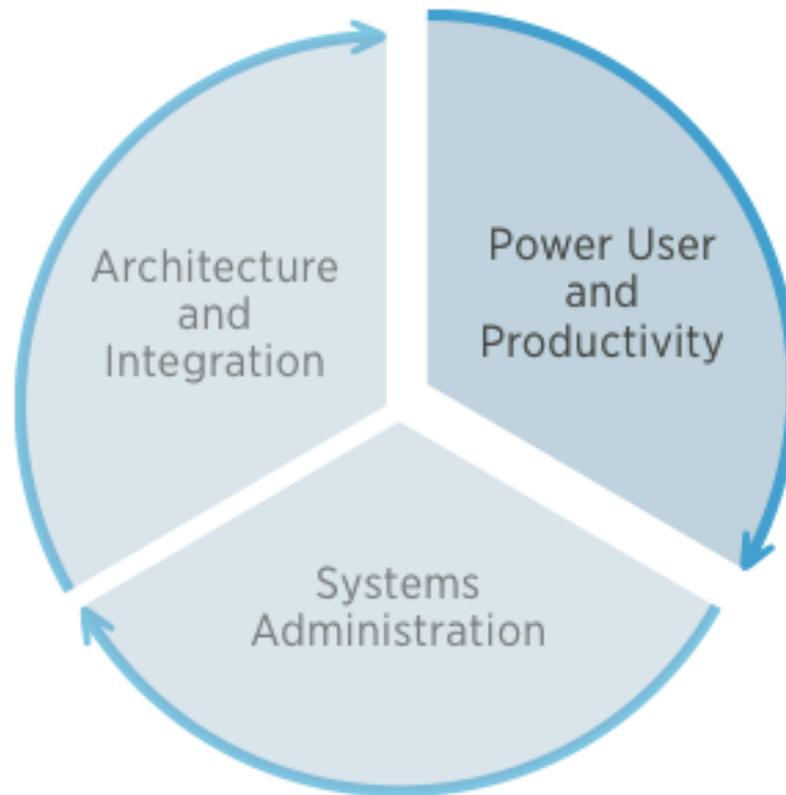
The search results table shows the following items:

Item Name	Topic	Type
Banner	Products	Web Content
Products Button	Products	Web Content
Blogs Button	Products	Web Content
Forums Button	Products	Web Content
Home Page Intro	Products	Web Content
Cog Network Ad	Products	Web Content
Products Banner	Products	Web Content
Products Landing Intro	Products	Web Content
Products Landing Intro Info	Products	Web Content
Products Catalog	Products	Web Content

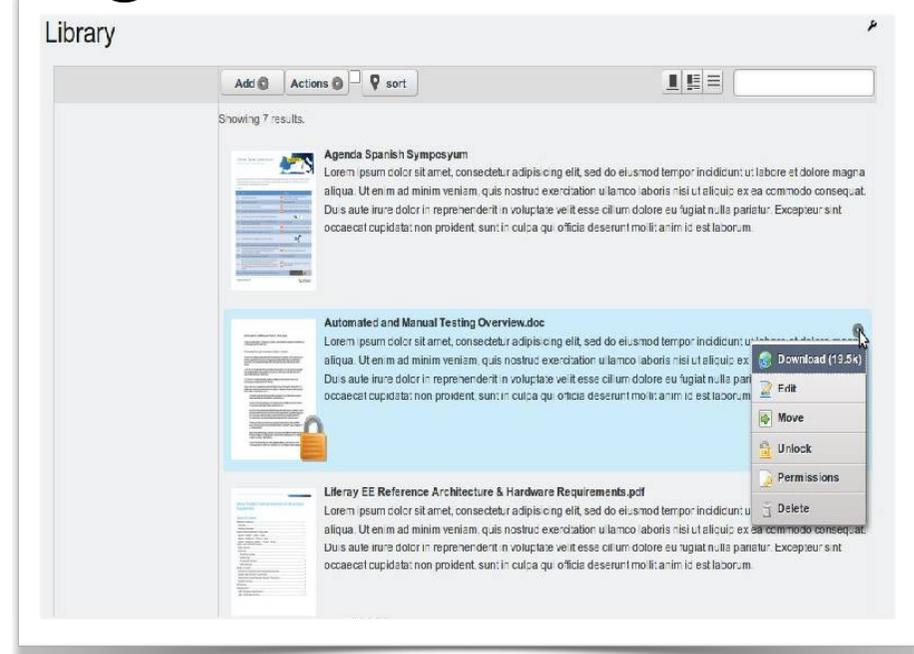
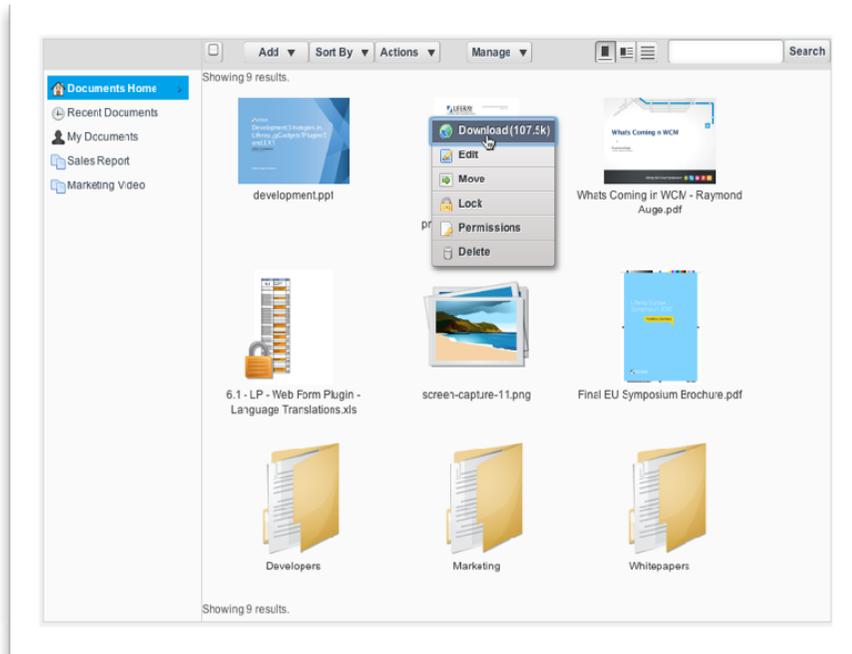
At the bottom of the search results, there is a banner for the "LIFERAY WEST COAST SYMPOSIUM" with a green progress bar and a refresh icon.

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# Gestione Documentale



# Interfaccia Utente Riprogettata



## Unificazione fra Documenti e Multimedia

- Amministrazione Unificata
- Media Gallery per una gestiona ottimizzata per il multimedia

# Preview Automatiche

The screenshot shows a Liferay document preview interface. At the top, the document title is "Whats Coming in WCM - Raymond Auge.pdf" with a "Back" link. Below the title are action buttons: Edit, Move, Lock, and Permissions. A light blue banner indicates the document was uploaded by "Test Test" on Wed May 25 09:39:30 GMT+02:00 2011, with the description "Presentation by Ray Auge for the East Coast Liferay Symposium 2011" and tags "web content" and "liferay".

The main preview area shows a slide titled "What's Coming in WCM" by Raymond Auge, Senior Software Architect, for the Liferay East Coast Symposium. The slide features a diagram of a network or system architecture. To the right of the main slide is a vertical stack of four smaller thumbnail slides, each with a "Liberty Improvements" header. At the bottom of the preview area are navigation arrows and a "1 of 14" indicator.

On the right side of the interface, there is a "Version 1.1" section with a download link for 572.0k, a "Status: Approved" indicator, and a "Version History" table.

Version	Date	Size	Status
1.1	5/25/11 8:11 AM	572.0k	Approved
1.0	5/25/11 7:39 AM	572.0k	Approved

Video

Immagini

Suoni

PDF

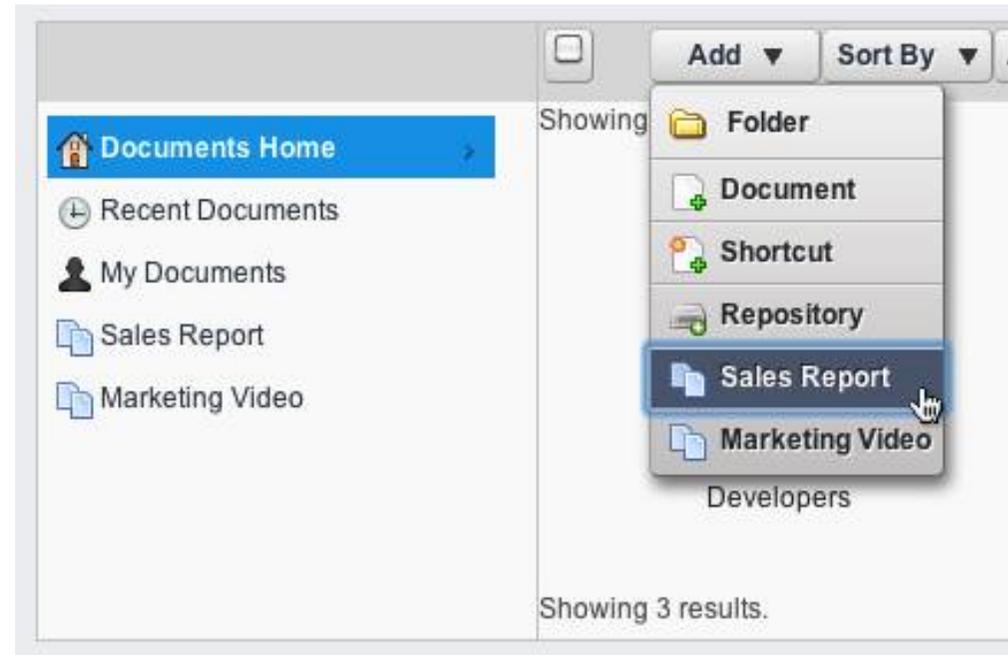
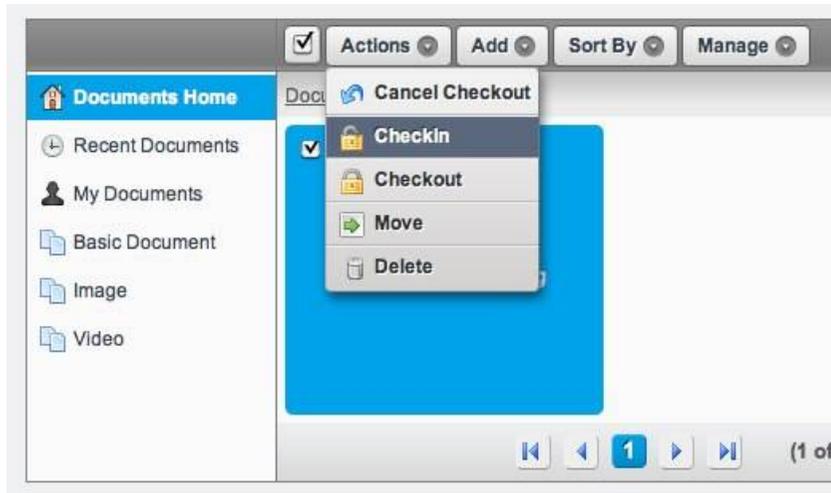
Word

OpenDocument

...

# Collaborazione Estesa

- **Tipi di documenti personalizzati** in modo che l'utente utilizzi concetti familiari:
  - Documento Offerte
  - Eventi, Manifestazioni, etc.
  - Informazioni Marketing
  - Promozioni Turistiche
  - Ecc.



## Check in & Check out

# Collaborazione Estesa

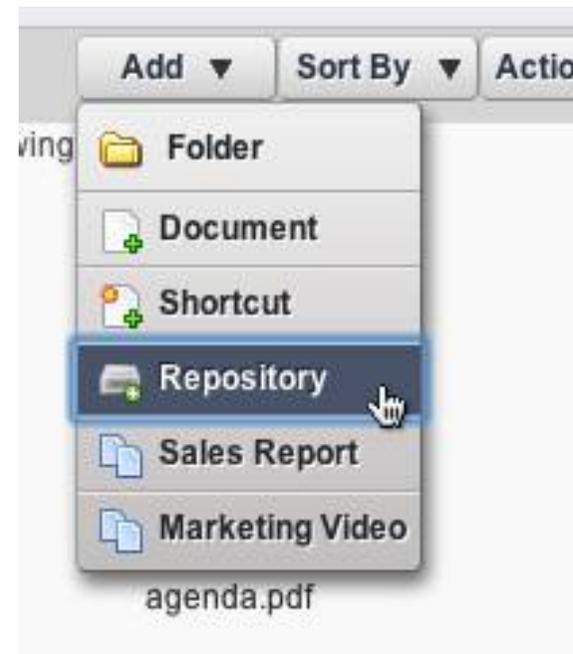
- Ogni tipologia avrà automaticamente informazioni specifiche e metadati automatici e manuali per arricchire il documento

The image shows two overlapping windows from the Liferay portal. The background window is titled "Document Types" and shows the "New Document Type" configuration page. The "Name" field contains "Sales Report" and the "Description" field contains "Document used to .....". Below this, a "Metadata Sets" section lists "Dates & Location" and "Audit Data", both with "Remove" links. "Save" and "Cancel" buttons are at the bottom.

The foreground window is titled "Metadata Sets" and shows the "New Metadata Set" configuration page. The "Name (Required)" field contains "Dates & Location". Below this, a "Details" section shows three fields: "Start Date" (05/25/2011), "End Date" (05/25/2011), and "Location" (with a red asterisk and edit/delete icons). To the right of these fields is a "Field Settings" panel with an "Add Field" button and a list of field types: Boolean, Date, Decimal, Integer, Number, Radio, Select, Text, and Text Box. "Save" and "Cancel" buttons are at the bottom.

# Repository Multipli

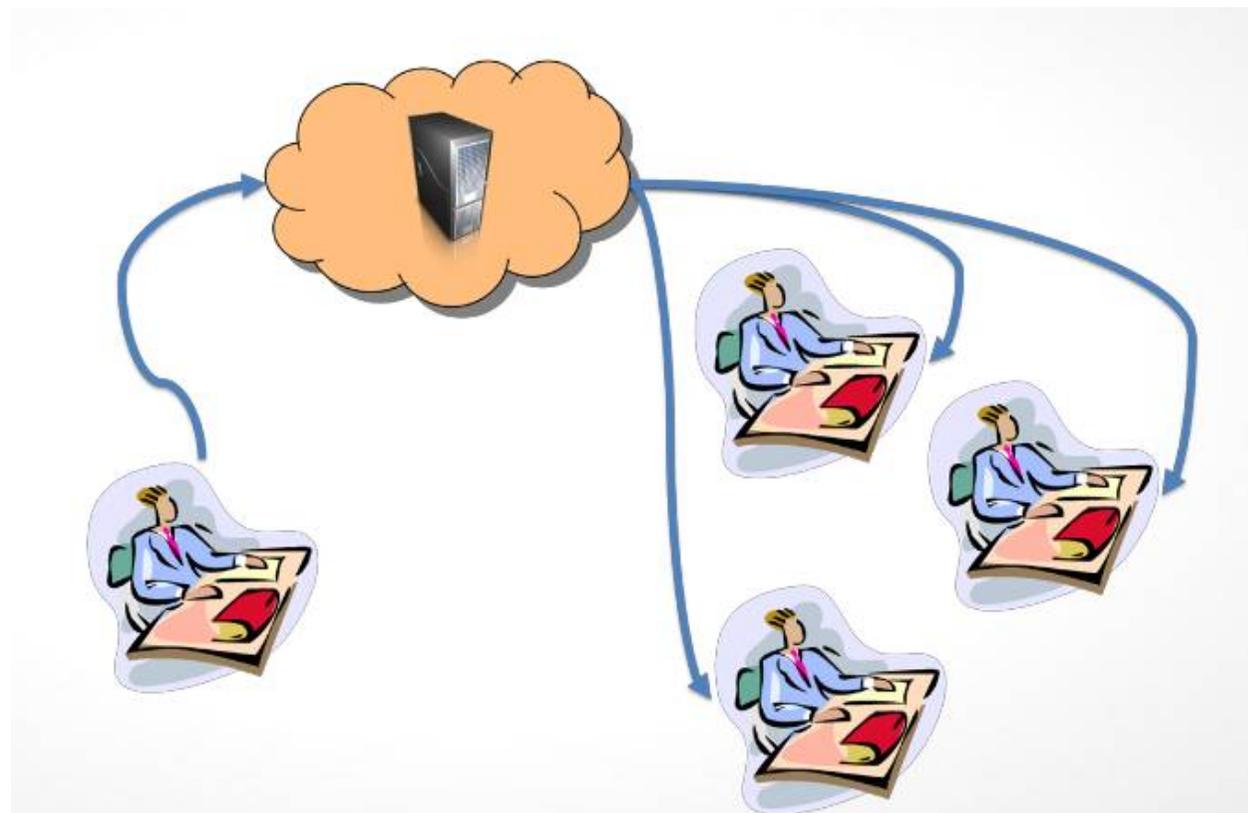
- Interfaccia utente unificata che gestisce multi Repository addizionali:
  - Liferay
  - CMIS
  - Sharepoint (EE)
  - Documentum (EE)



# Liferay Sync

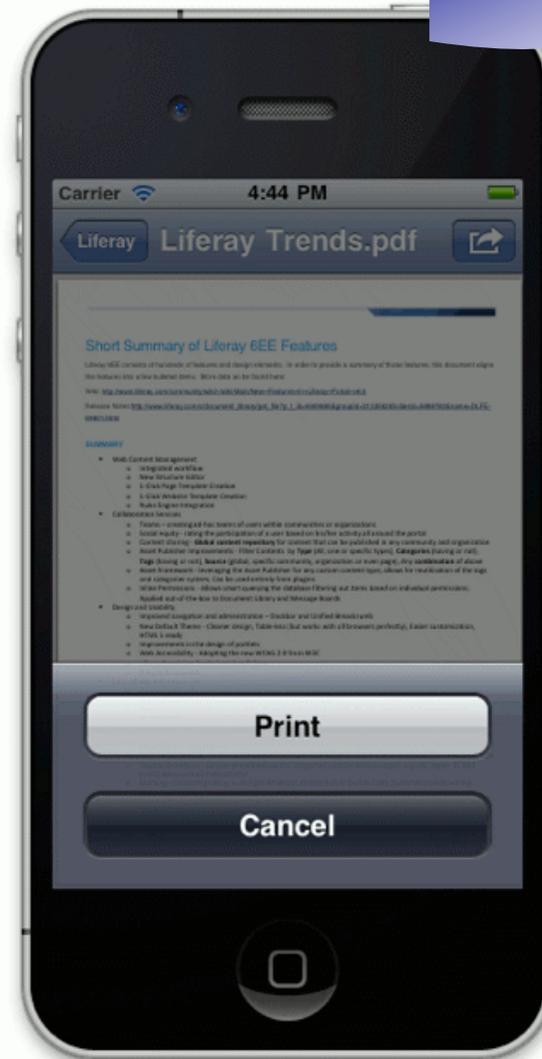
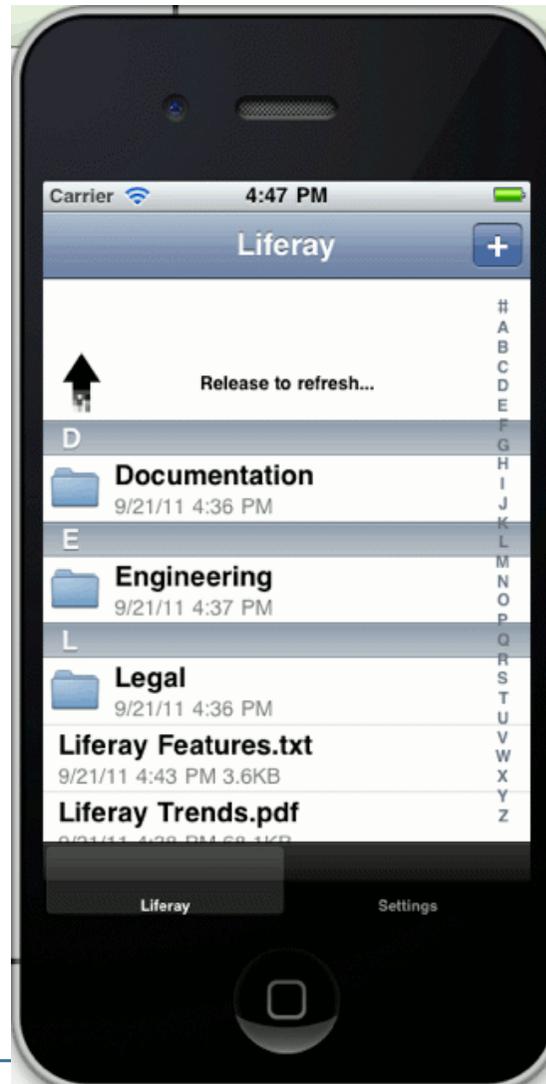
EE exclusive

- Accesso offline a tutti i documenti!
- Client per
  - Windows
  - Mac
  - iPhone
  - Android (Presto)



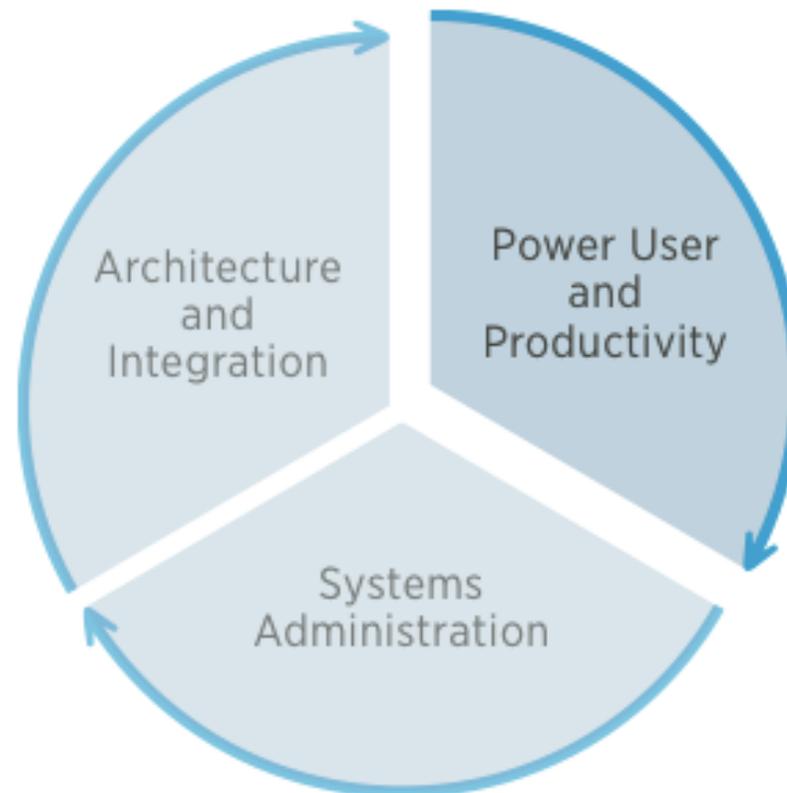
# Applicazioni iPhone

EE exclusive



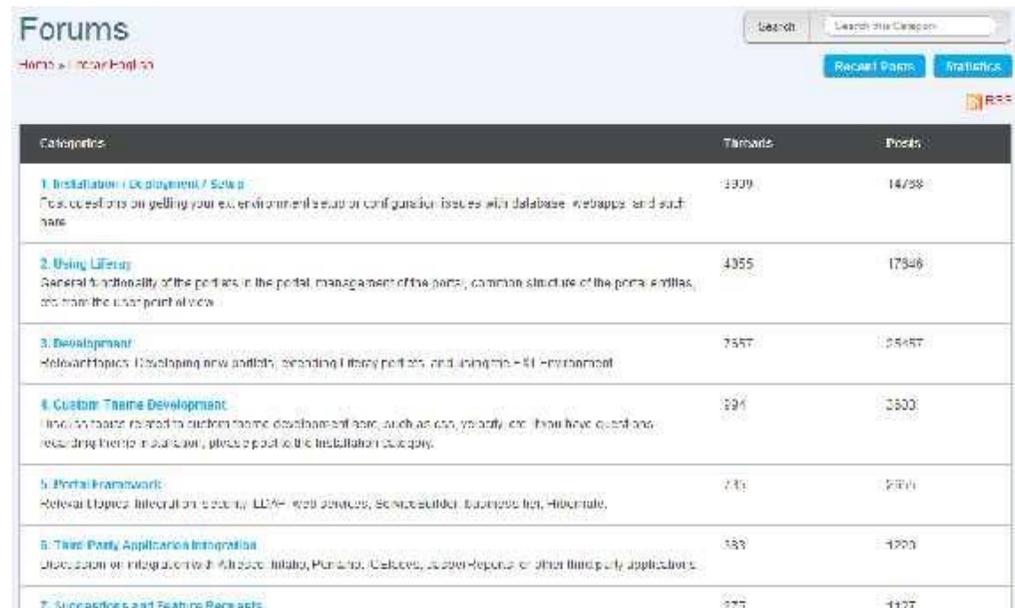
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# Piattaforma di Social Collaboration



# Forum

- Supporto per editor Full HTML e editor BBcode migliorato
- Maggiori possibilità sui template per le notifiche
- Vista Question & Answers



The screenshot shows the Liferay Forums interface. At the top, there is a search bar and navigation links for 'Recent Posts' and 'Statistics'. Below this is a table listing various forum categories with their respective thread and post counts.

Categories	Threads	Posts
<a href="#">1. Installation, Deployment / Setup</a> Test questions on getting your environment setup or configuration, issues with database, webapps, and such here	1399	14798
<a href="#">2. Using Liferay</a> General functionality of the portals, in the portal, management of the portal, common structure of the portal, settings, etc. from the user point of view	4355	17348
<a href="#">3. Development</a> Relevant topics: Developing new portals, extending Liferay portals, and using this - EE Environment	7557	25457
<a href="#">4. Custom Theme Development</a> How to make related to custom theme development, such as css, velocity, etc. from how questions regarding theme development, please post to the installation category.	994	3600
<a href="#">5. Portal Frameworks</a> Relevant topics: Integration with Java EE web services, ServiceBuilder, Business Layer, Hibernate.	235	2976
<a href="#">6. Third Party Applications Integration</a> Discussion on integration with Salesforce, Jira, Joomla, Drupal, SugarCRM, or other third party applications	159	4909
<a href="#">7. Suggestions and Feature Requests</a>	977	4127

# Blogs

- Collegamento più facile ad altre voci del Blog (ed anche ad altri tipi di contenuti)
- Supporto per abstract di articoli indipendenti
- Condivisione Social Network migliorata (twitter, facebook, ...)



# Wiki

- Editor WYSIWYG Creole
- Nuovo parser super veloce per massima scalabilità



The screenshot shows the Liferay Wiki Guide homepage. At the top, there is a search bar and navigation links for 'Main' and 'Proposals'. Below the search bar are icons for 'New Page', 'Add Child Page', 'Edit', 'Print', and 'Details'. The main content area features a welcome message and a list of categories with icons and brief descriptions:

- Starting with Liferay**: Introductory articles for newcomers to the Liferay world.
- Installation**: Articles about how to install Liferay Portal, how to set it up to work with different application servers and databases and how to achieve a specific configuration. Includes a link to 'Ask questions about this topic in the forum'.
- Development**: Articles about how to develop new portlets, extend Liferay's portlets and use the extension environment. Includes a link to 'Ask questions about this topic in the forum'.
- Using Liferay**: Articles about how to use Liferay Portal through the web UI. This includes portal administration as well as using any of the included out of the box portlets. Includes a link to 'Ask questions about this topic in the forum'.
- Customization**: Articles about how to extend Liferay through configuration and customization. Also includes articles about how to create themes, how to integrate third party applications, etc. Includes a link to 'Ask questions about this topic in the forum about theme development'.

# Chat

- Altamente influenzata dai feedback e dai suggerimenti dei clienti e dei membri della comunità
- **Integrazione con I server Jabber**
- Miglioramento Scalabilità (Integrazione Comet)



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# Partecipazione prima della registrazione

## Come promuovere la partecipazione dei visitatori?

1. Permettergli di postare commenti o valutazioni senza creare un account
2. L'utente sarà in grado di creare un account in ogni momento
  - Tutta la partecipazione prima della registrazione sarà automaticamente assegnata a lui/lei (se lo desidera)

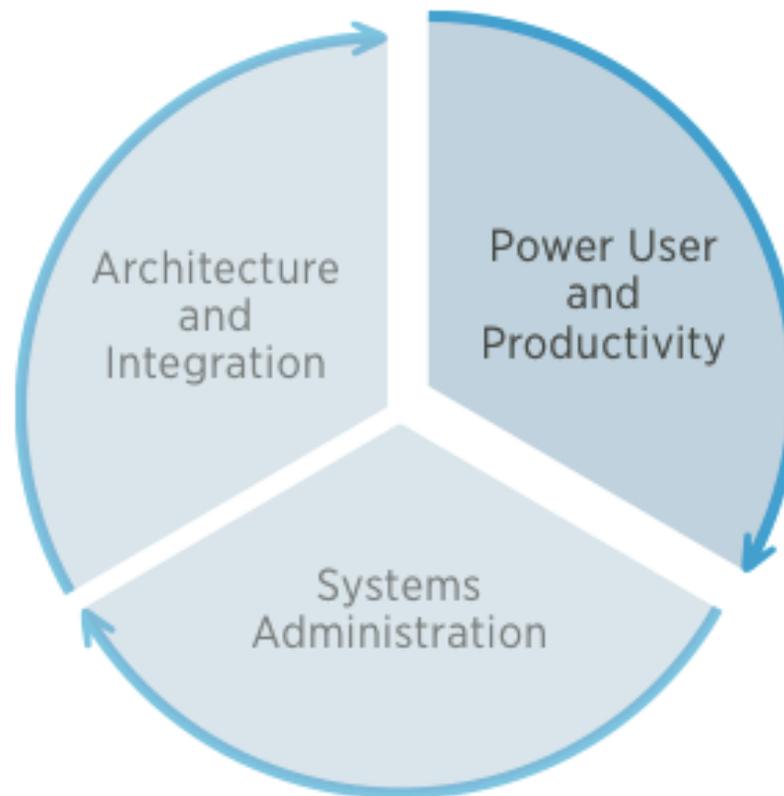
# Gadget OpenSocial

- Riutilizzo di ciascun Gadget OpenSocial
  - Disponibili a migliaia
  - Connessione ai Social Network e a servizi online



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# Piattaforma di Produttività Aziendale



# Liste Dati Utenti

- Gli utenti definiscono entità personalizzate da salvare nel database
- Gli utenti definiscono maschere per catturare entità personalizzate e interfacce utente per mostrarle.
  - Aggiornamento settimanale ricettività
  - Viste personalizzabili dall'utente
  - Ordinamenti dati
  - Riordinamenti Colonne
  - Filtri di dati
- Gli utenti creano maschere web direttamente associate alle liste

The image shows a survey form titled "2010 ECS Road map Survey" and a corresponding data table. The form includes a text input field for additional comments, a question about the importance of features in the 2011 road map, and a question about the importance of WCM in the Liferay Portal. The data table below the form lists the responses for two entries.

1	Timestamp	What features in the 2011 road map were of most importance to your organization?	How would you rank the importance of WCM in Liferay Portal
2	6/6/2010 22:44:12	Enterprise staging	10
3	6/6/2010 22:44:12	Message Center	8
4			
5			
6			
7			
8			
9			
10			

# Maschere Workflow

EE exclusive

- Creazione Online di applicazioni basate su Maschere e Workflow
- Implementazione di Processi senza sviluppare
  - Processi di approvazione Eventi
  - Richieste di Aperture / Chiusure
  - Procurement
  - Processi di controllo per i dipendenti



# Creazione di nuovi processi

EE exclusive

Kaleo Forms 🔍 - + x

## New Process « Back

**Name (Required)**  
Sales Approval Process 🇺🇸 Other Languages (0) ▼

**Description**

🇺🇸 Other Languages (0) ▼

**Entry Definition (Required)**  
[+ Select](#)

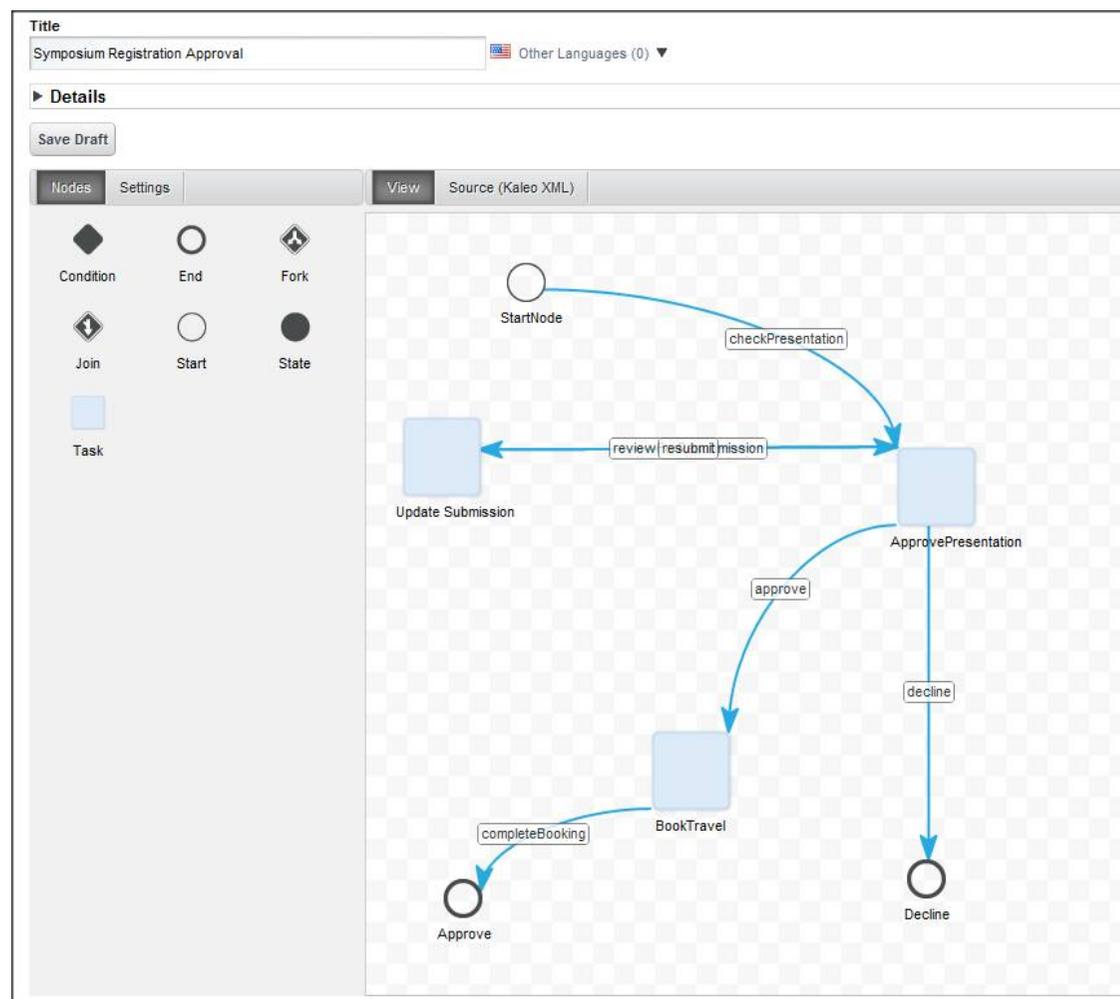
**Initial Form (Required)** 📌  
[+ Select](#)

**Workflow**  
[+ Select](#)

**Workflow Task Forms**  
[+ Assign](#)

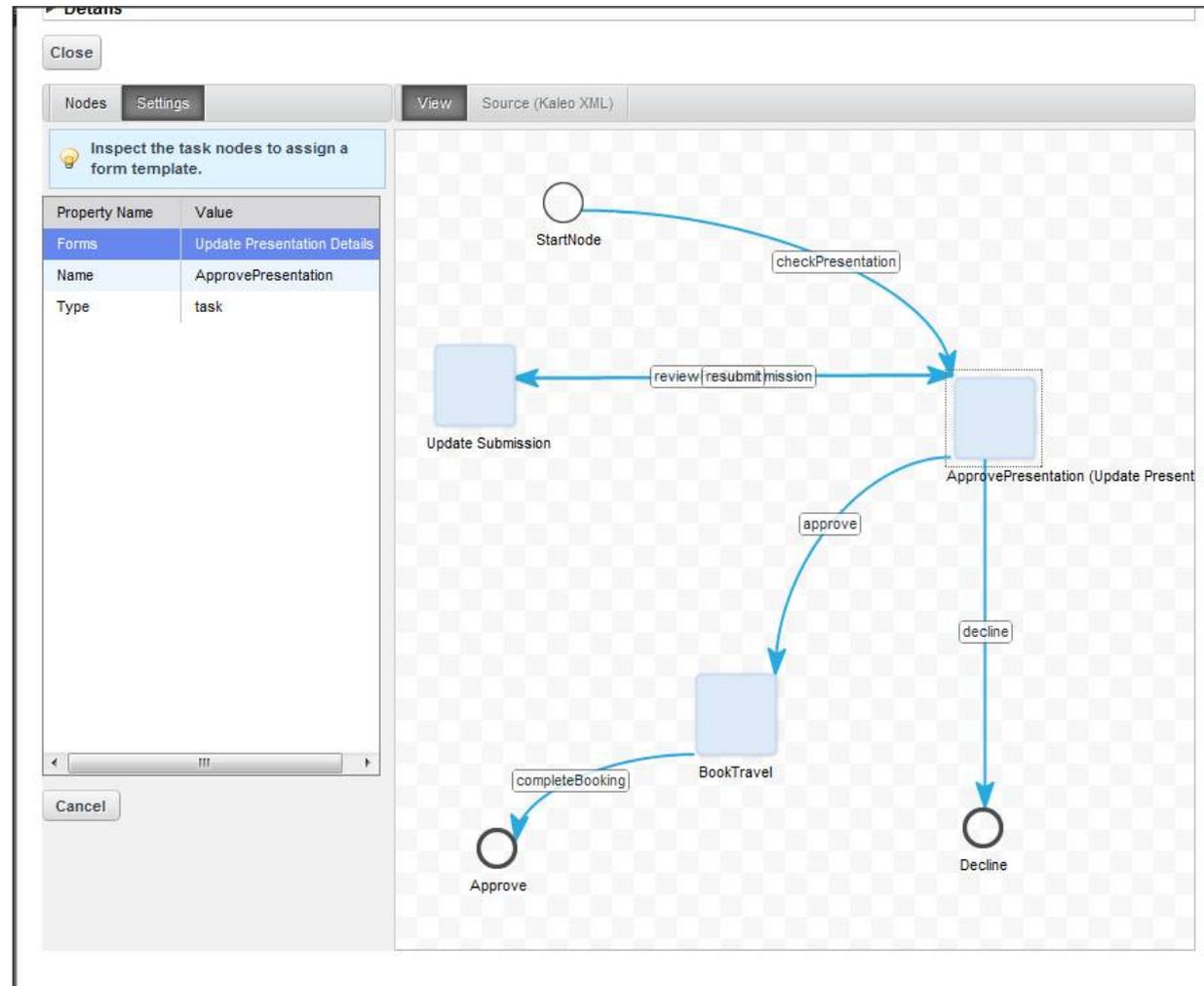
# Disegno Visuale del Workflow

EE exclusive



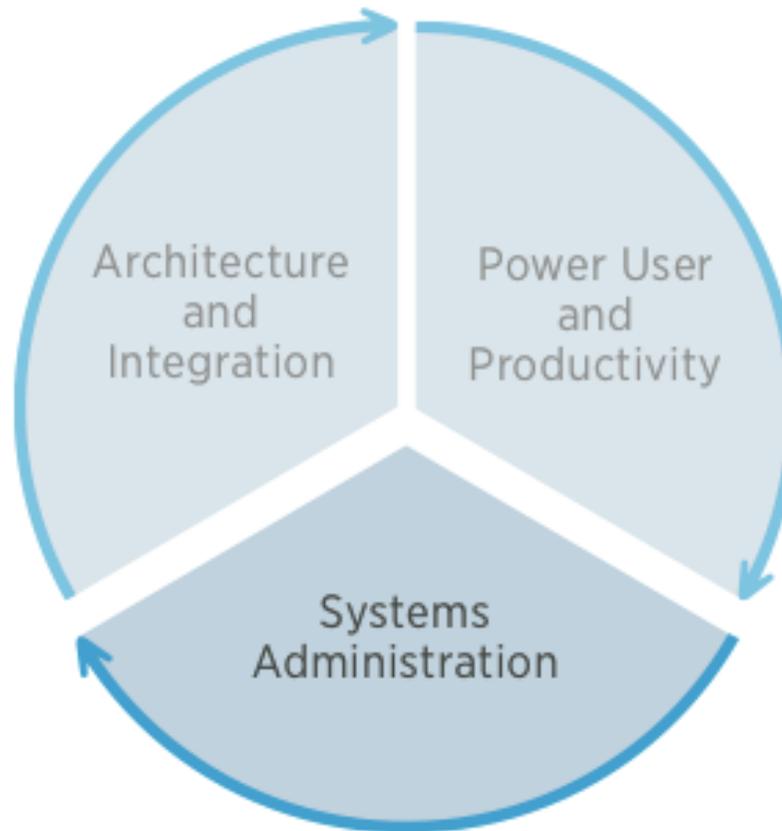
# Assegnare le Maschere alle Attività

EE exclusive

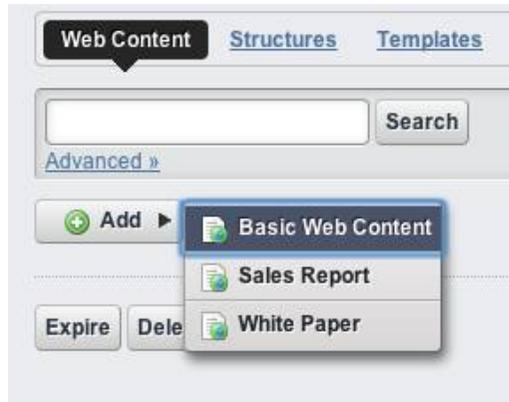


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# Gestione Contenuti Web

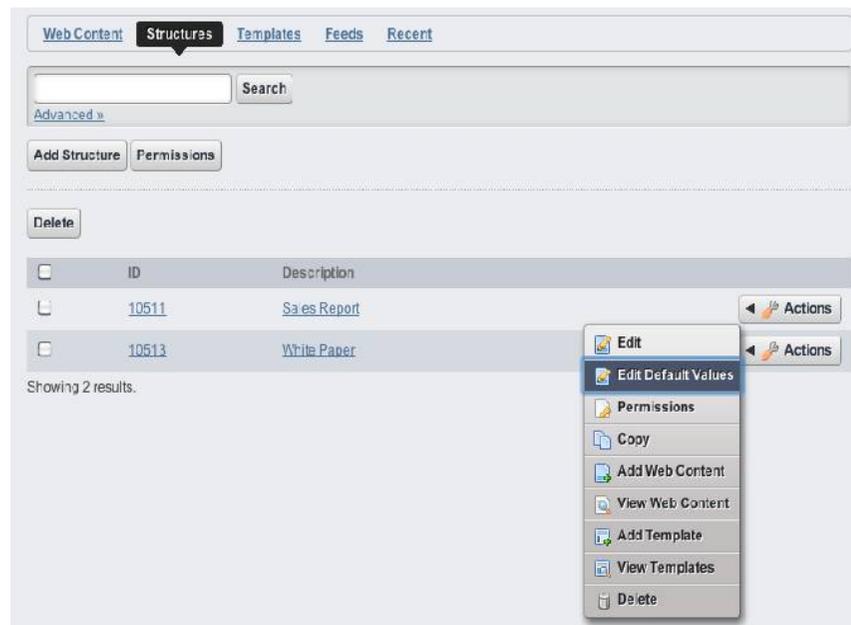


# Esperienza di Authoring Migliorata



Creazione di contenuti Web secondo tipologie specifiche per:

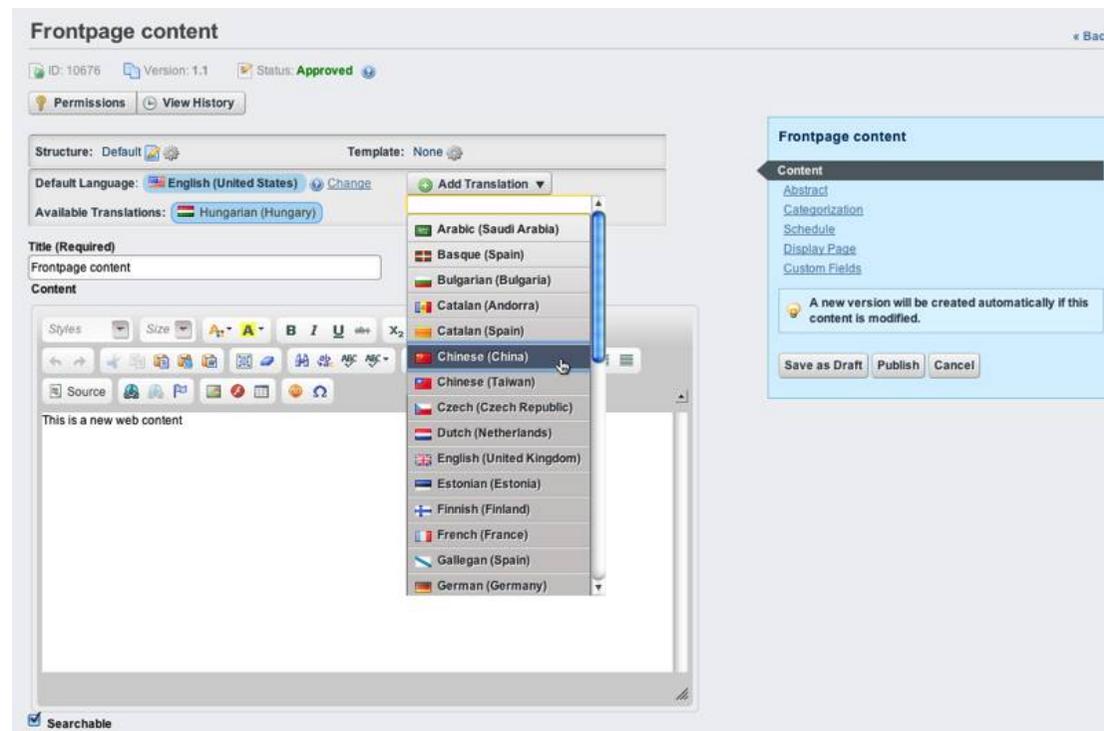
- Strutture
- Template
- Valori di Default
- Aree di completamento



Tutto secondo le diverse lingue del sito

# Siti Multilingua più facili

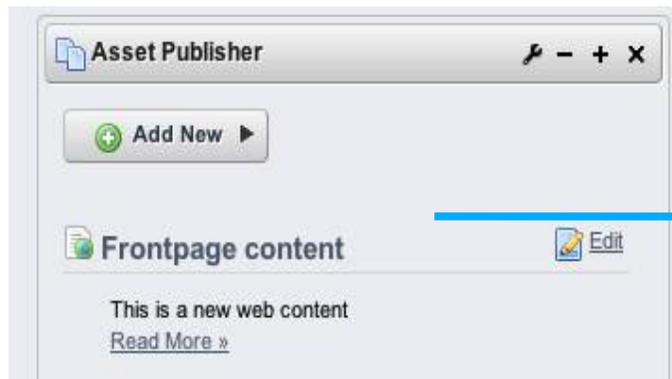
- Traducibili anche **Titolo** e **Descrizione** dei contenuti web
- Traduzione di strutture e modelli dei contenuti web, categorie, vocabolari, descrizioni dei ruoli, ...
- Usabilità ottimizzata per gestire contenuti web tradotti in varie lingue.



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# Publicazione Semplificata dei contenuti nelle pagine

- Collegare facilmente i contenuti web alle pagine a cui appartengono
- URL canonico per ciascun web content



[www.mysite.com/-/frontpage-content](http://www.mysite.com/-/frontpage-content)

# Relazioni fra contenuti

The screenshot displays the Liferay Book Store interface. At the top, there is a logo with books and the text "Book Store". Navigation tabs include "HOME", "BOOKS", and "AUTHORS". A breadcrumb trail shows "liferay.com > Data > Authors > Stieg Larsson". Below this, a "Books" tab is active, and the author's name "Stieg Larsson" is prominently displayed. A list of books is shown on the left: "The Girl Who Kicked the Hornets' Nest", "The Girl Who Played with Fire", and "The girl with the Dragon Tatoo". A search bar and navigation sections for tags and categories are also visible.

On the right, a profile for Stieg Larsson is shown, including a photo and a biographical text: "Karl Stig-Erland Larsson (15 August 1954 – 9 November 2004), who wrote professionally as Stieg Larsson, was a Swedish journalist and writer, born in Skelleftehamn outside Skellefteå. He is best known for writing the "Millennium series" of crime novels, which were published posthumously. Larsson lived and worked much of his life in Stockholm. He was the second best-selling author in the world in 2008, behind Khaled Hosseini. By March 2010, his "Millennium series" had sold 27 million copies in more than 40 countries."

An overlay window titled "Related Assets" is positioned in the foreground. It features a search field and a list of asset types with a dropdown menu open. The dropdown menu lists: "Page Revision", "Blogs Entry", "Comments", "User", "Message Boards Message", "Image Gallery Image", "Dynamic Data Lists Record", and "Web Content". The background table in the overlay shows a list of related assets with "Remove" links for each row.

# Supporto migliorato alla Tassonomia

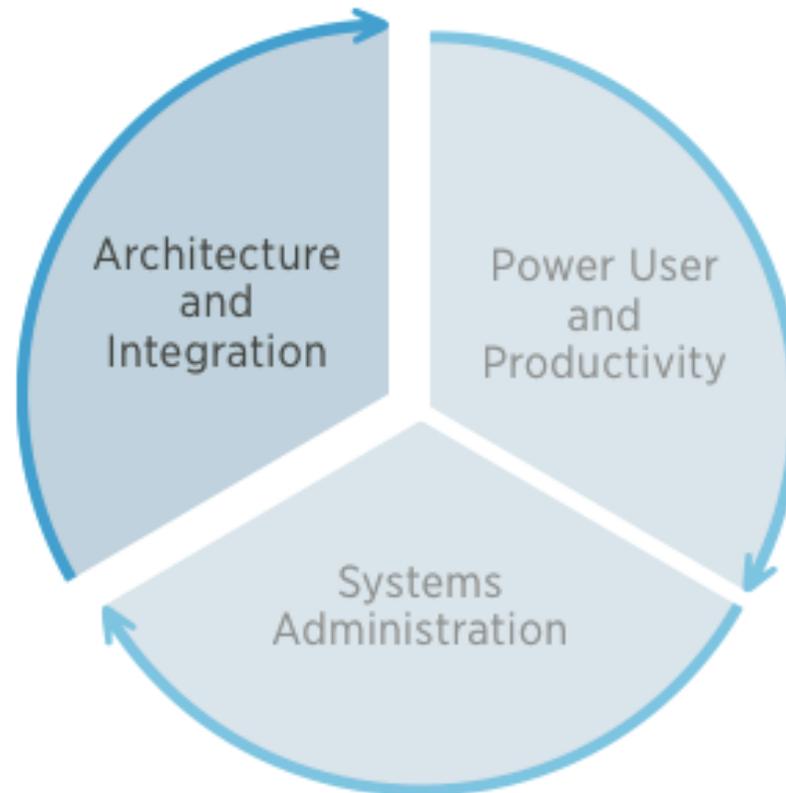
The screenshot displays the 'Edit Vocabulary' dialog box in a Liferay environment. The dialog is titled 'Edit Vocabulary' and contains the following fields and options:

- Name:** A text input field containing 'Features'.
- Description:** A large text area.
- Language:** A dropdown menu showing 'Other Languages (0)'.
- Multi-Valued:** A checked checkbox.
- Associated Asset Types:** A section with a minus sign in the top right corner, containing two rows:
  - Row 1: 'Choose Asset Type' dropdown set to 'Wiki Page', with a checked 'Required' checkbox and '+' and '-' buttons.
  - Row 2: 'Choose Asset Type' dropdown set to 'Calendar Event', with an unchecked 'Required' checkbox and '+' and '-' buttons.

At the bottom of the dialog are buttons for 'Save', 'Delete', 'Permissions', and 'Close'. The background shows a 'Categories' page with a sidebar containing 'Vocabularies', 'Departments', 'Features', 'Topic', and 'Version'. The 'Features' item is selected in the sidebar.

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# Piattaforma di Sviluppo, Integrazione e Deploy



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# Liferay Identity Provider

EE exclusive

- SAML 2.0 Identity Provider
  - Server Single Sign On Server per applicazioni onsite e cloud
- SAML 2.0 Service Provider
  - Connettere facilmente Liferay a un identity provider esterno
- Directory LDAP Virtuale
  - Accedere al repository degli utenti Liferay come se fosse un server LDAP
- Permettere alle applicazioni di connettersi a risorse di terze parti senza chiedere all'utente di rivelare le proprie credenziali.

# OpenSocial 1.1

- Sviluppare I propri Gadget OpenSocial e portarli dentro Liferay
- Creazione online di Gadget
- Combinare efficientemente Gadget e Portlet
  - Comunicare fra Gadget e Portlet tramite di eventi



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# Produttività di Sviluppo

- Ambiente di sviluppo IDE e Liferay Developer Studio più facili e potenti
- Ambiente di Sviluppo Sandbox
- Documentazione Migliorata:
  - Liferay in Action
  - Corsi Certificati in Italia
  - Guide Ufficiali:
    - Guida dello Sviluppatore
    - Guida estesa sull'utilizzo di Liferay
  - Javadocs di alta qualità

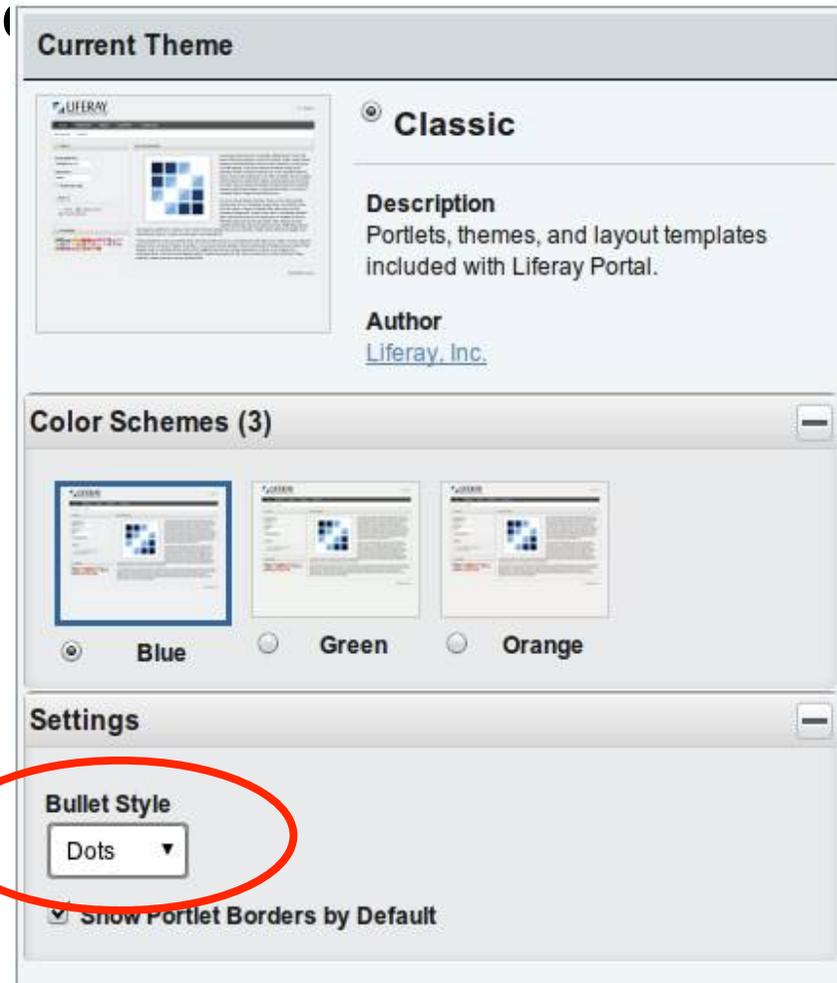
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# Web Service Migliorati

- Web Service JSON più potenti e flessibili
  - Generati automaticamente con Service Builder
  - Controllo mediante annotazioni
- Protocollo Atom Publishing Web Services
  - Blog
  - Document Library file and cartelle
  - Contenuti Web
  - Utenti (sola lettura)

# Miglioramenti nei Temi

- Impostazioni Personalizzabili per gli amministratori dei siti
  - Checkbox
  - Select
  - Text
  - Textarea
  - Custom
- SASS per styling modulare dei CSS





**Grazie per  
l'attenzione**