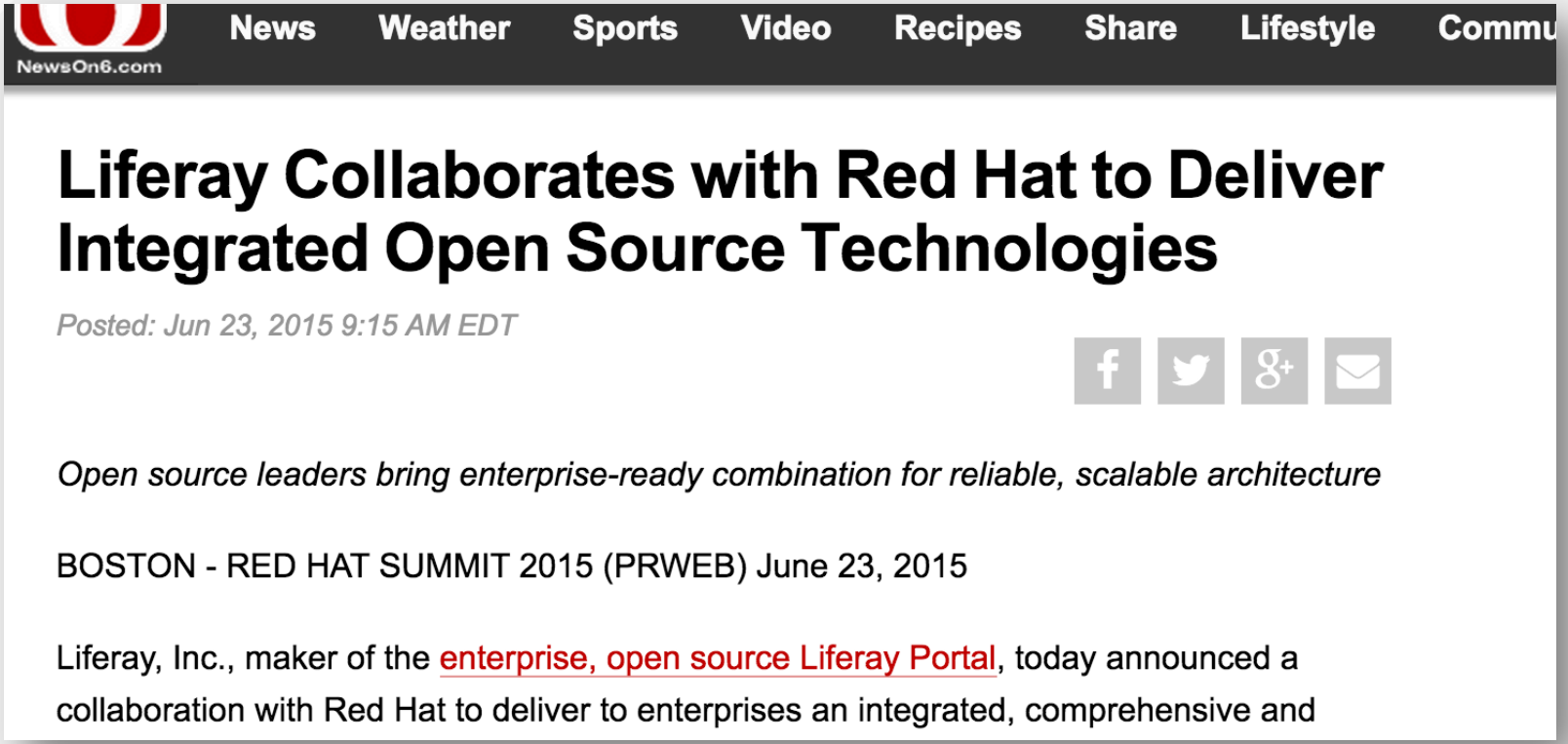
BOSTON, MA
JUNE 23-26, 2015

LIFERAY MODERNIZES THE ENTERPRISE PORTAL PLATFORM

James Falkner
Liferay Community Manager
June 25, 2015

redhat.



http://liferay.com/redhat-jboss

Liferay is the leading open source portal technology. Our portal combines the best of web and mobile, modern development, and digital experience.

By The Numbers

Liferay, Inc. founded in 2004
5 million+ downloads
130,000+ community members
7500+ unique activities/month
Strong adoption in Financial Services, Government and Health Care
14 offices across 5 continents
400+ Marketplace Apps
300k Forum Posts (100/day)
100 External Contributors
850 Marketplace Devs
2 Top 50 Github Devs

LIFERAY

"... open, extensible, scalable... "

COMPANY | PRODUCTS | SERVICES | DOCUMENTATION | NEWS | DOWNLOADS

Experience the next generation in open source portal software with with *Liferay Enterprise Portal*. »»

"... open, extensible, scalable... "

Experience the next generation in open source portal software with ***Liferay Enterprise Portal***. »»

Keep up to date by subscribing to the mailing list.

Copyright © 2000-2002 Liferay Corporation. All Rights Reserved.

Portal

Hola, Juan Fernandez!

ERP

- Reports
- Orders
- Inventory
- Settings

Legacy

- Access Application

Financials

- Reports
- Revenue
- P&L
- Settings

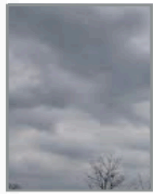
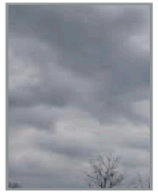
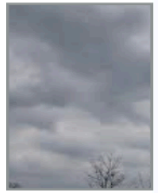
HR

- Reports
- Directory
- Vacation
- Taxes

Tiempo

Edit

Madrid, ES
Nublado

March	April	May
		

Complete Forecast

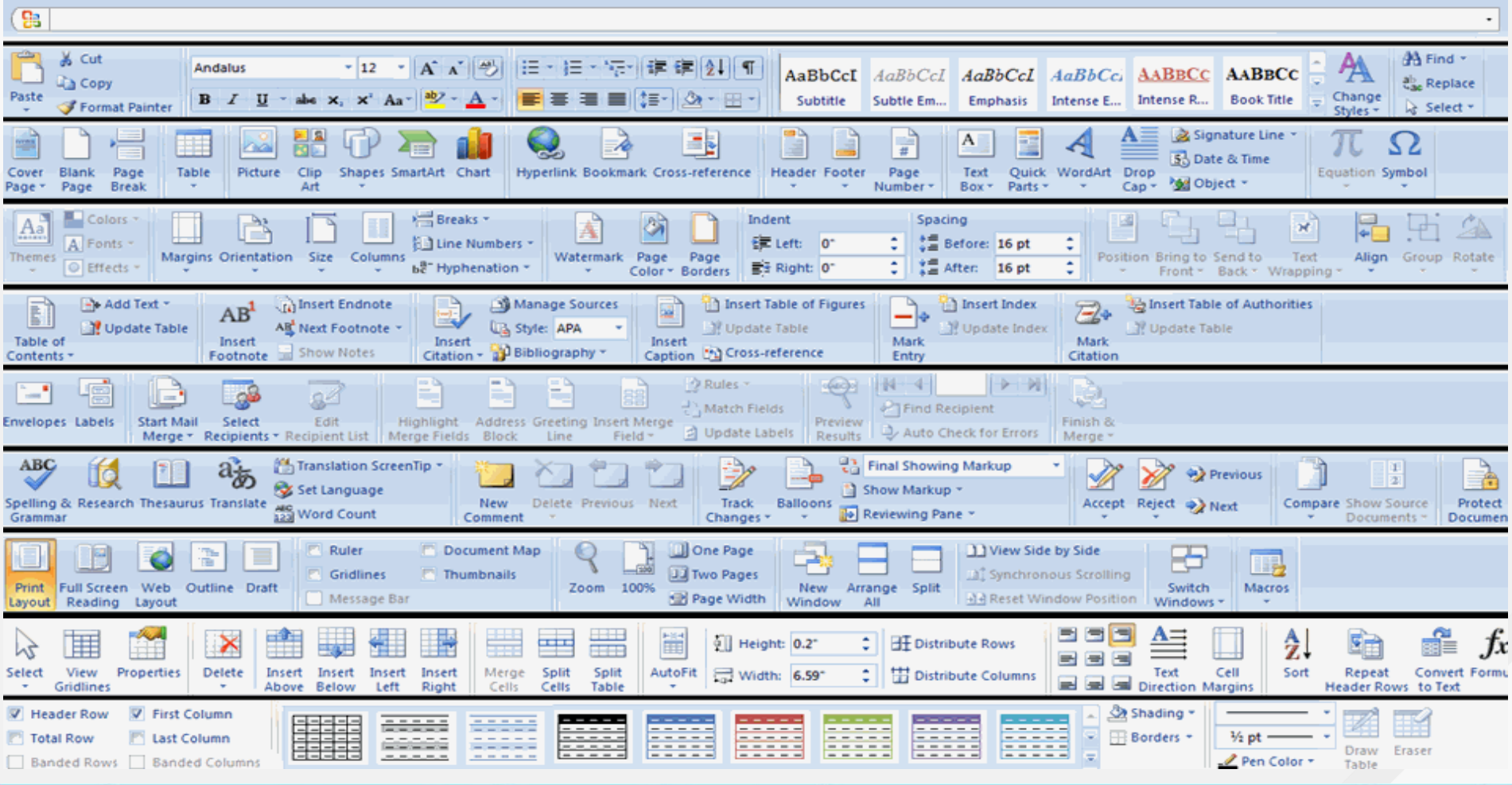
CEO Message

Edit

Great weather today! Work harder!

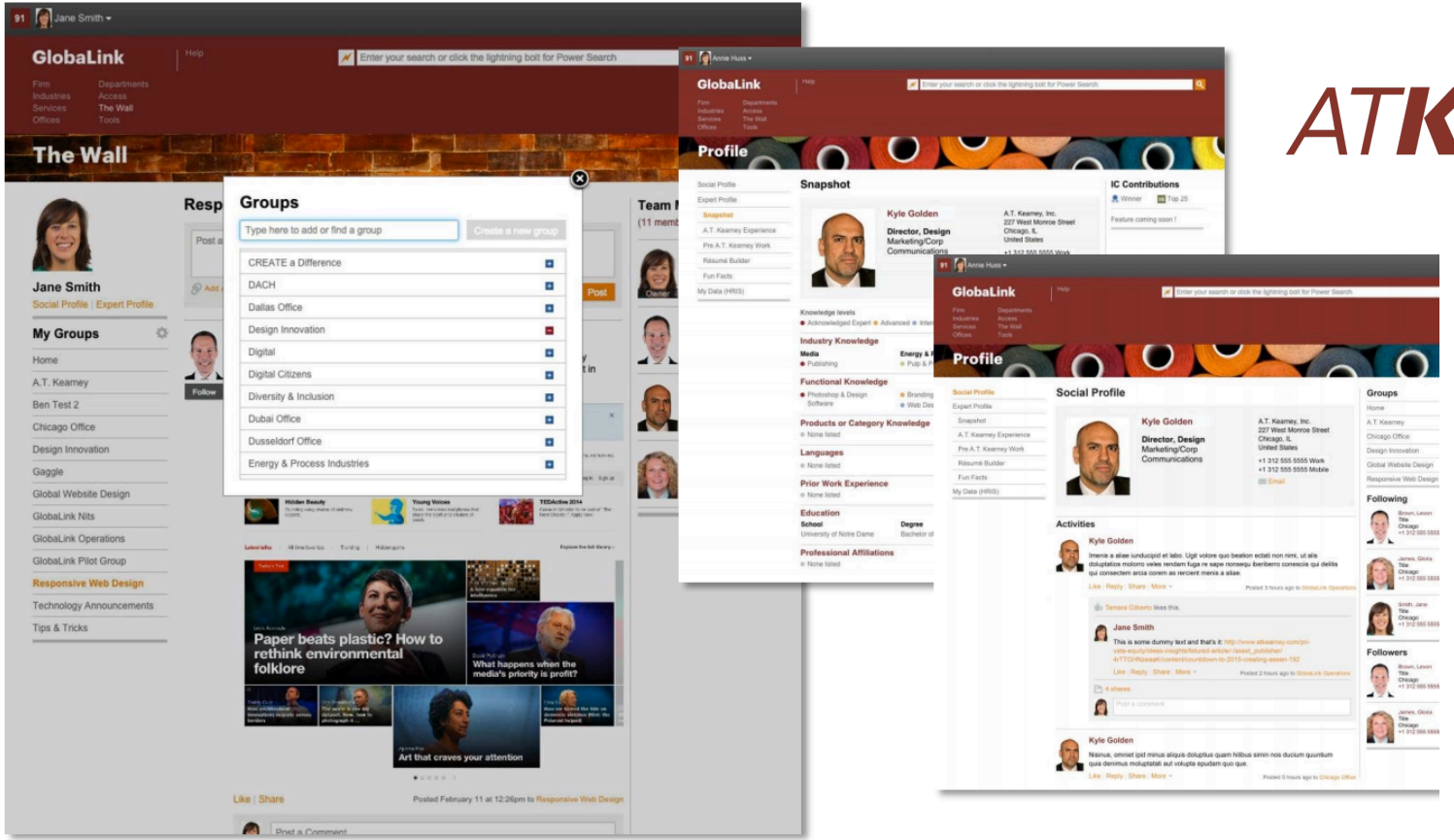
Sincerely,
Your CEO

Yahoo! - Netscape
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Stop
Bookmarks Location: http://www.yahoo.com/
What's New
Check Email
YAHOO!
Personalize
Help
Yahoo! Movies
local showtimes
beep beep Yahoo! Pager
now works with chat
Labor Day
Cookoff
Search
options
Yahoo! Mail - free email account - use it from home, school, work
Shopping - Yellow Pages - People Search - Maps - Travel Agent - Classifieds - Personals - Games - Chat
Email - Calendar - Pager - My Yahoo! - Today's News - Sports - Weather - TV - Stock Quotes - more...
Arts & Humanities
Literature, Photography...
News & Media
Full Coverage, Newspapers, TV...
Business & Economy
Companies, Finance, Jobs...
Recreation & Sports
Sports, Travel, Autos, Outdoors...
Computers & Internet
Internet, WWW, Software, Games...
Reference
Libraries, Dictionaries, Quotations...
Education
Universities, K-12, College Entrance...
Regional
Countries, Regions, US States...
Entertainment
Cool Links, Movies, Humor, Music...
Science
Biology, Astronomy, Engineering...
Government
Social Science
In the News
Iran warns of strike
Transcripts of Swissair 111 released
NFL kickoff weekend
College football
HR watch - McGwire hits #60, Sosa #58
more...
Inside Yahoo!
Y! Travel - book a flight, check arrival time
Document: Done



Little help please?

Home – Sprouts.com
https www.sprouts.com
Reader
COUPONS
MEALS
SIGN IN
SHOPPING LIST
SPROUTS FARMERS MARKET
NEED HELP ?
Products
Healthy Living Resou
VITAMIN EXTRAVAGANZA
Weekly Flyer
Find My Flyer
WEEKLY SPECIALS
MONTHLY DEALS
ONLINE COUPONS
SHOPPING LISTS
FIND A STORE
Healthy Choices
GLUTEN-FREE
VEGETARIAN
ORGANIC
Carrier
2:08 PM
sprouts.com
Find Recipes
Ingredients
Reset
Enter the ingredients
separated by comma
search for,
Recipe Categori
Appetizer
Dessert
Main Dish
Side Dish
Snack
Beverage
Healthy Choices
Apply



ATKearney

"Liferay's open architecture permitted a quick deployment for our internal social business network, using out of the box features to realize almost every requirement, in 7 months" – Wayne Boley, VP, Knowledge Services

www.globe.gov

Visualize and Retrieve Data – GLOBE.gov | Home – GLOBE.gov | media.lut.fi/media/Solutions_2013_FIN/pubData/sou...

THE GLOBE PROGRAM

English

Log In

Home | Teaching & Learning | Explore Science | Community | News | Events | Media | About GLOBE | Join

Search

Welcome to GLOBE

The Global Learning and Observations to Benefit the Environment (GLOBE) program is a worldwide hands-on, primary and secondary school-based science and education program.

Learn More about GLOBE ▸

New to GLOBE?

GLOBE Community

Enter Live Data ▸

Enter Training Data ▸

Schools: 27,448

Teachers: 19,465

Total Measurements: 122,839,981

Measurements This Month: 529,790

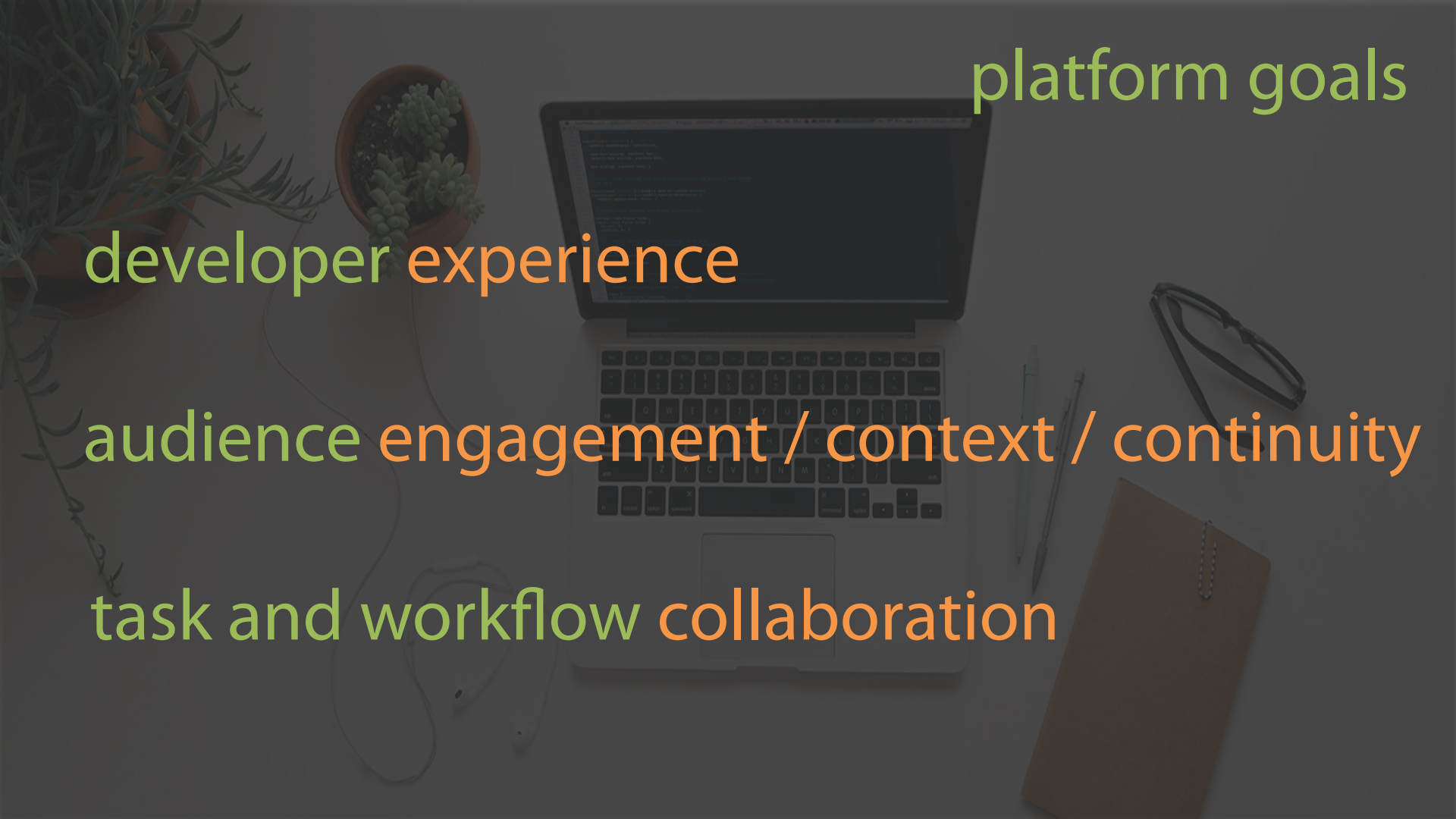
Collaboration Groups

Recent Postings In:
Community Feedback Forum

RE: news from the region
Hi
I m Salma Al Zubi

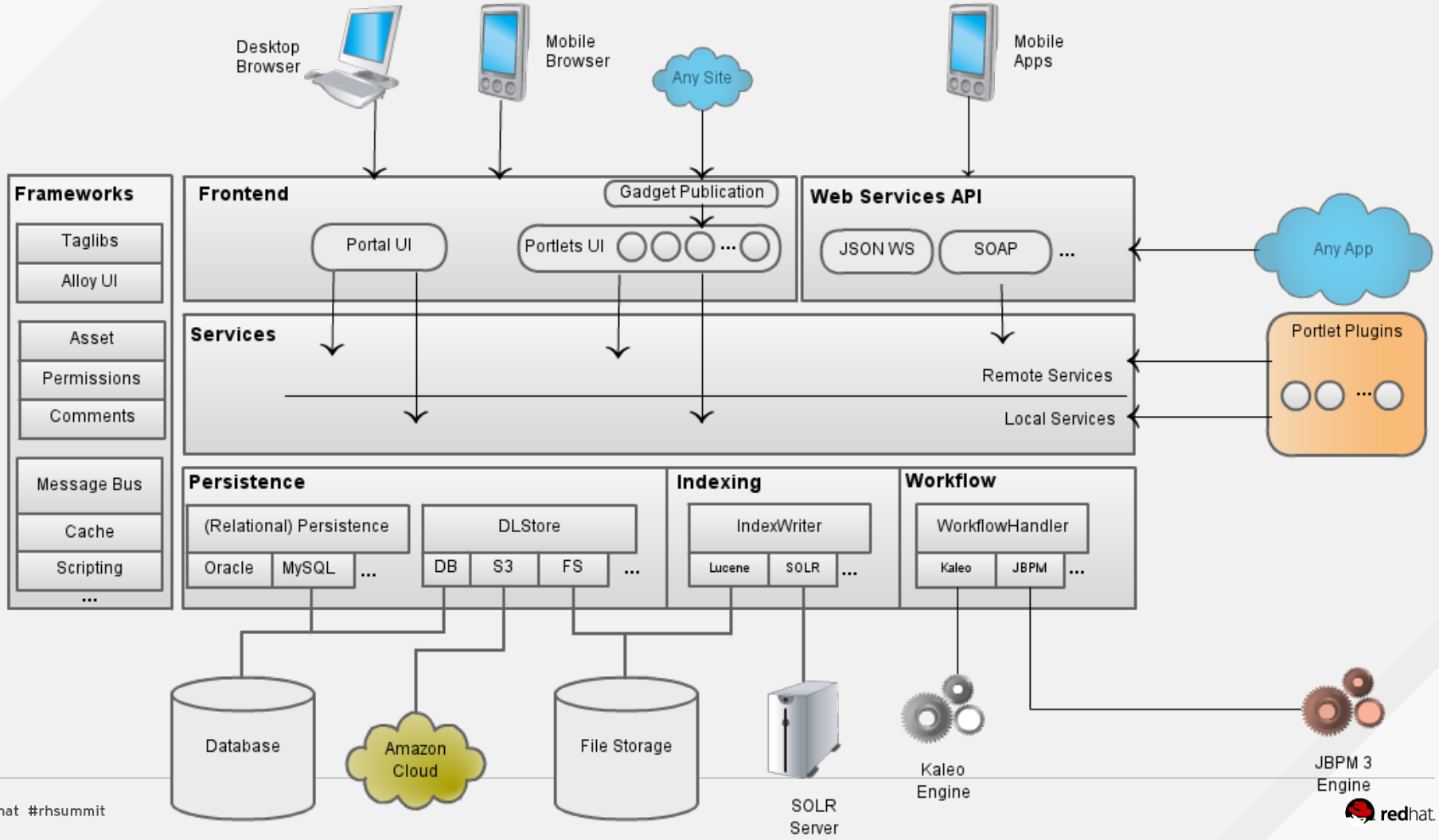
Regional Director for the GLOBE program for Near East and North Afri >>

View All Groups


platform goals
developer experience
audience engagement / context / continuity
task and workflow collaboration

LIFERAY 7 ARCHITECTURE, APPS, & MODULES

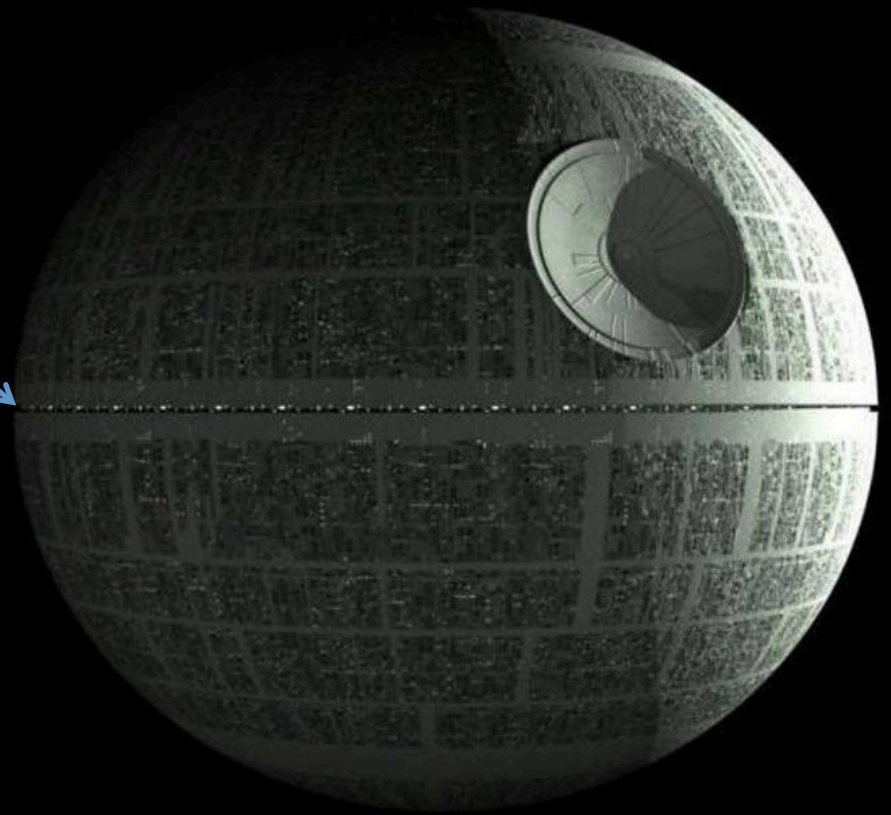
redhat.


Desktop Browser
Mobile Browser
Any Site
Mobile Apps
Frameworks
Taglibs
Alloy UI
Asset
Permissions
Comments
Message Bus
Cache
Scripting
...
Frontend
Gadget Publication
Portal UI
Portlets UI
Web Services API
JSON WS
SOAP
...
Any App
Portlet Plugins
Services
Remote Services
Local Services
Persistence
(Relational) Persistence
Oracle
MySQL
...
DLStore
DB
S3
FS
...
Indexing
IndexWriter
Lucene
SOLR
...
Workflow
WorkflowHandler
Kaleo
JBPM
...
Database
Amazon Cloud
File Storage
SOLR Server
Kaleo Engine
JBPM 3 Engine

redhat.

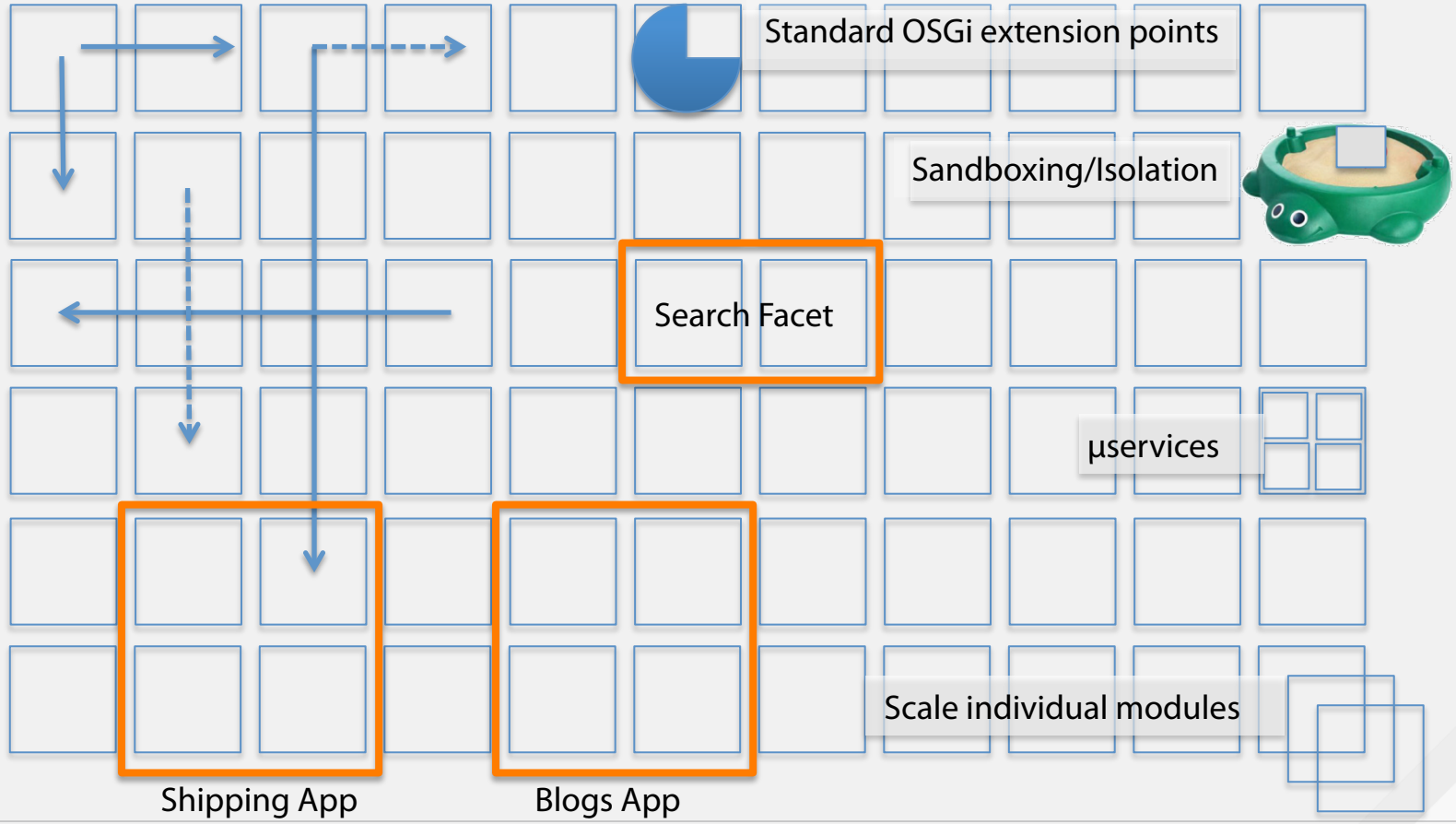
The Monolith

Exhaust Port



Breaking down the monolith

Declared and implicit dependencies



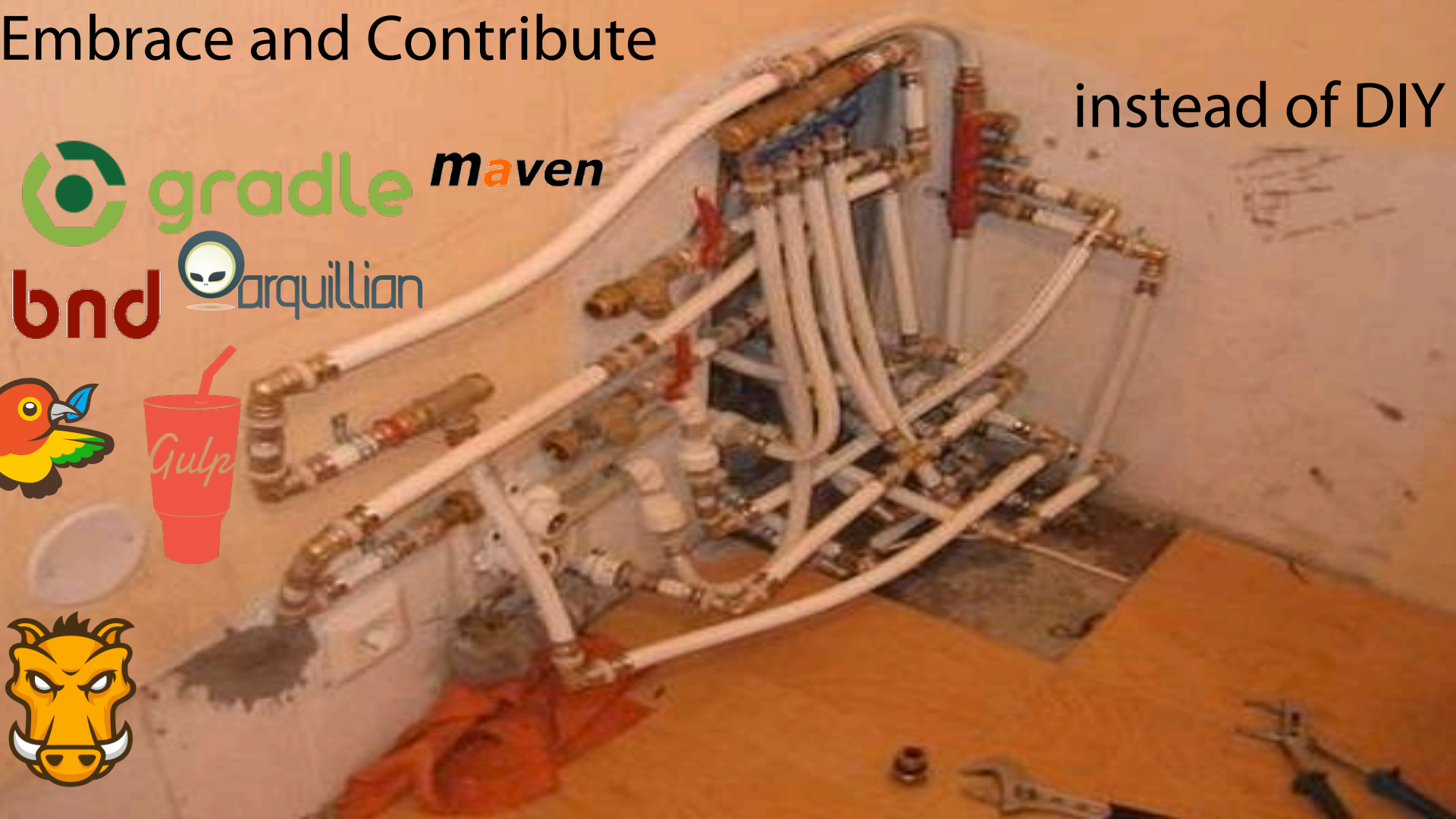
liferay.com/marketplace
EE
ACA
EE
JAN
15
MERCADO
Marketplace For Software Applications
MADE
YOU TUBE
I/O
VIP
EVENTS
Scrum
MADEV
GEOLOCATION
vers. 1.2
XTIVIA
Calendar
Connector
for Exchange
#redhat #rhsummit

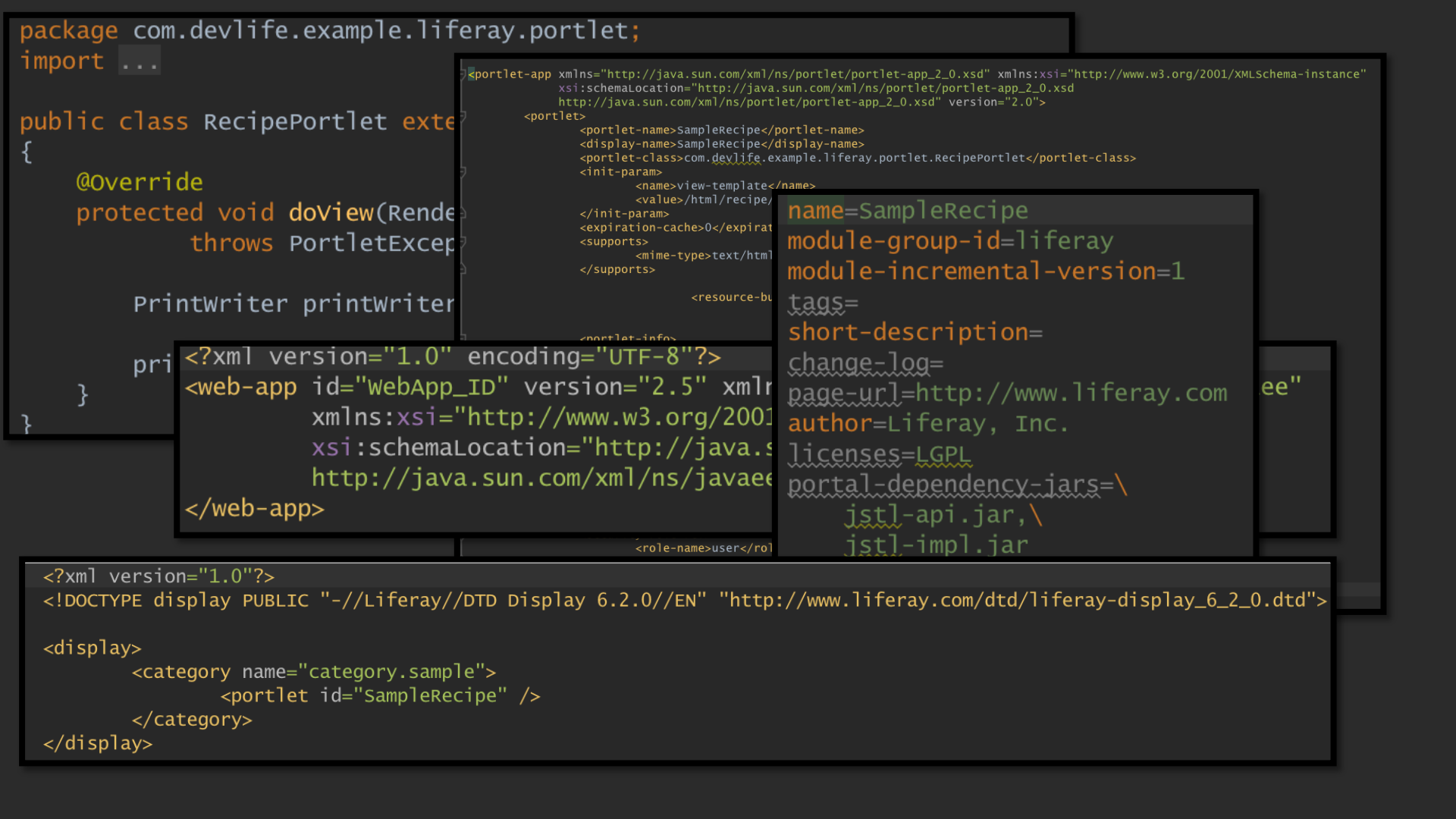
DEV TOOLING & FRAMEWORKS

redhat.

Embrace and Contribute

instead of DIY




package com.devlife.example.liferay.portlet;
import ...
public class RecipePortlet exte
{
@Override
protected void doView(Rende
throws PortletExcep
PrintWriter printWriter
pri
}
}
<portlet-app xmlns="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd
http://java.sun.com/xml/ns/portlet/portlet-app_2_0.xsd" version="2.0">
<portlet>
<portlet-name>SampleRecipe</portlet-name>
<display-name>SampleRecipe</display-name>
<portlet-class>com.devlife.example.liferay.portlet.RecipePortlet</portlet-class>
<init-param>
<name>view-template</name>
<value>/html/recipe/
</init-param>
<expiration-cache>0</expirat
<supports>
<mime-type>text/html
</supports>
<resource-bu
<portlet-info>
<role-name>user</rol
name=SampleRecipe
module-group-id=liferay
module-incremental-version=1
tags=
short-description=
change-log=
page-url=http://www.liferay.com
author=Liferay, Inc.
licenses=LGPL
portal-dependency-jars=\
jstl-api.jar,\
jstl-impl.jar
<?xml version="1.0" encoding="UTF-8"?>
<web-app id="WebApp_ID" version="2.5" xmlr
xmlns:xsi="http://www.w3.org/2001
xsi:schemaLocation="http://java.s
http://java.sun.com/xml/ns/javaee
</web-app>
ee"
<?xml version="1.0"?>
<!DOCTYPE display PUBLIC "-//Liferay//DTD Display 6.2.0//EN" "http://www.liferay.com/dtd/liferay-display_6_2_0.dtd">
<display>
<category name="category.sample">
<portlet id="SampleRecipe" />
</category>
</display>

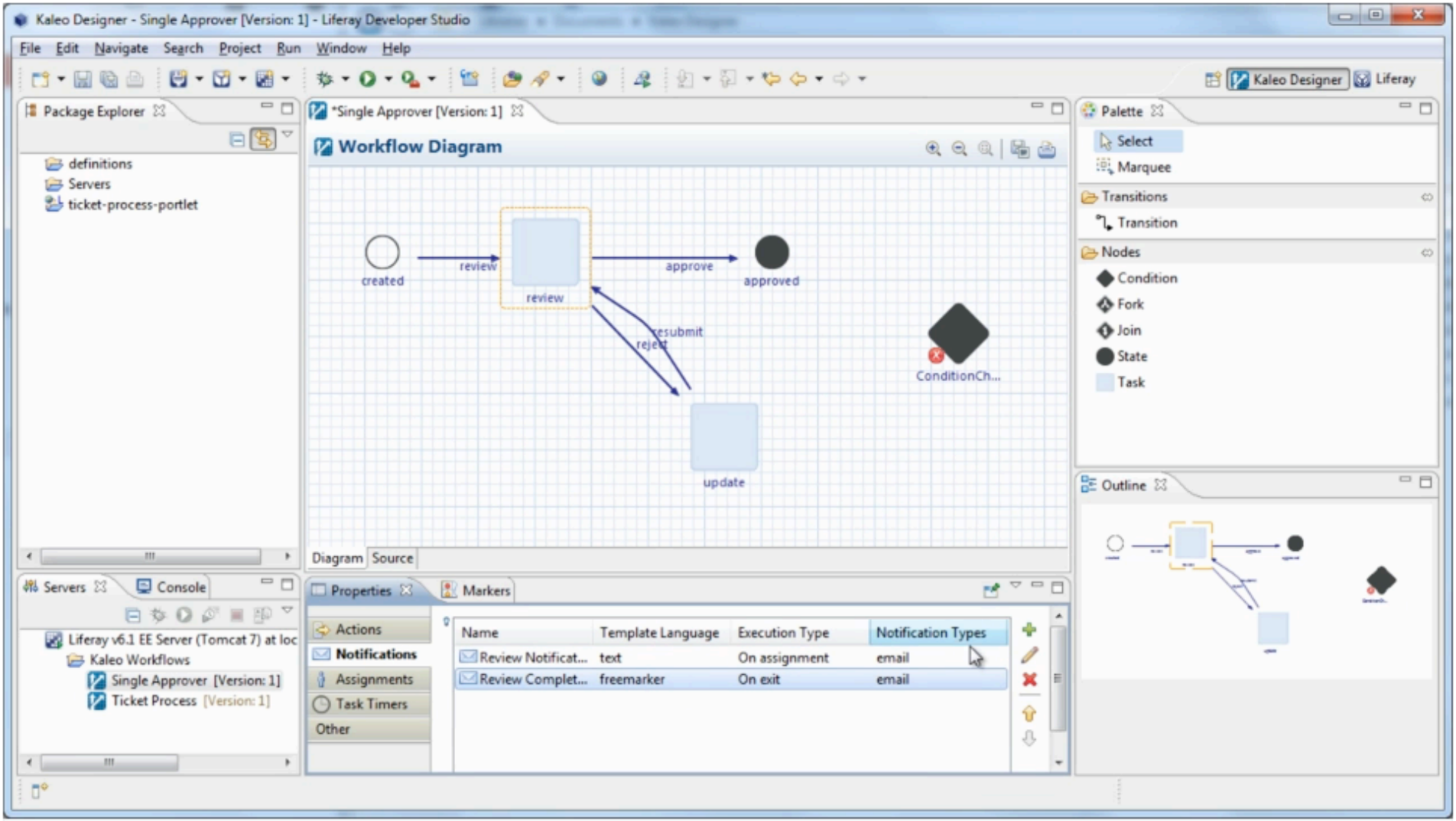
```java
@Component(
    immediate = true,
    version = "2.3.1",
    property = {
        "com.liferay.portlet.display-category=category.sample",
        "com.liferay.portlet.instanceable=true",
        "javax.portlet.display-name=DS Portlet",
        "javax.portlet.security-role-ref=power-user,user"
    },
    service = Portlet.class
)
public class DSPortlet extends GenericPortlet {

    @Override
    protected void doView(RenderRequest request, RenderResponse response)
        throws PortletException, IOException {

        PrintWriter printWriter = response.getWriter();

        printWriter.print("DS Portlet - Hello World!");
    }
}
```

that's all!


Kaleo Designer - Single Approver [Version: 1] - Liferay Developer Studio
File Edit Navigate Search Project Run Window Help
Kaleo Designer
Liferay
Package Explorer
definitions
Servers
ticket-process-portlet
*Single Approver [Version: 1]
Workflow Diagram
created
review
review
approve
approved
resubmit
reject
update
ConditionCh...
Diagram
Source
Palette
Select
Marquee
Transitions
Transition
Nodes
Condition
Fork
Join
State
Task
Outline
Servers
Console
Liferay v6.1 EE Server (Tomcat 7) at loc
Kaleo Workflows
Single Approver [Version: 1]
Ticket Process [Version: 1]
Properties
Markers
Actions
Notifications
Assignments
Task Timers
Other
Name
Template Language
Execution Type
Notification Types
Review Notificat...
text
On assignment
email
Review Complet...
freemarker
On exit
email

Portal

Hola, Juan Fernandez!

ERP

- Reports
- Orders
- Inventory
- Settings

Legacy

- Access Application

Financials

- Reports
- Revenue
- P&L
- Settings

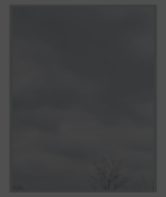
HR

- Reports
- Directory
- Vacation
- Taxes

Tiempo

Edit

Madrid, ES
Nublado

March	April	May
		

Complete Forecast

CEO Message

Edit

Great weather today! Work harder!

Sincerely,
Your CEO

think beyond portlets

Email — A Single Page App

James

sennajs.com/examples/email/

Email

A Single Page App demo using Senna.js

Compose

- Inbox (7)
- Important
- Sent
- Drafts
- Trash

LABELS

- Personal
- Work
- Travel

ZENO ROCHA

Introducing Senna.js

Aliquam ac feugiat dolor. Proin mattis massa sit amet enim iaculis tincidunt. Mauris tempor mi vitae sem.

EDUARDO LUNDGREN

Hello from BrazilJS Conf

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Similique alias, labore sed, atque eaque sapiente.

PEDRO MARQUES

Himachal Pradesh

Duis aute irure dolor in reprehenderit in voluptate velit essecillum dolore eu fugiat nulla.

HENRIQUE VICENTE

Partiu Buca?

Excepteur sint occaecat cupidatat non proident, sunt in culpa.

THIAGO ROCHA

You have few issues assigned

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip.

YAHOO! NEWS

Summary for April 3rd, 2012

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Similique

Single Page Apps in Liferay

From Zeno Rocha at 4:56pm, August 21, 2014

Reply | Forward | Move to

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

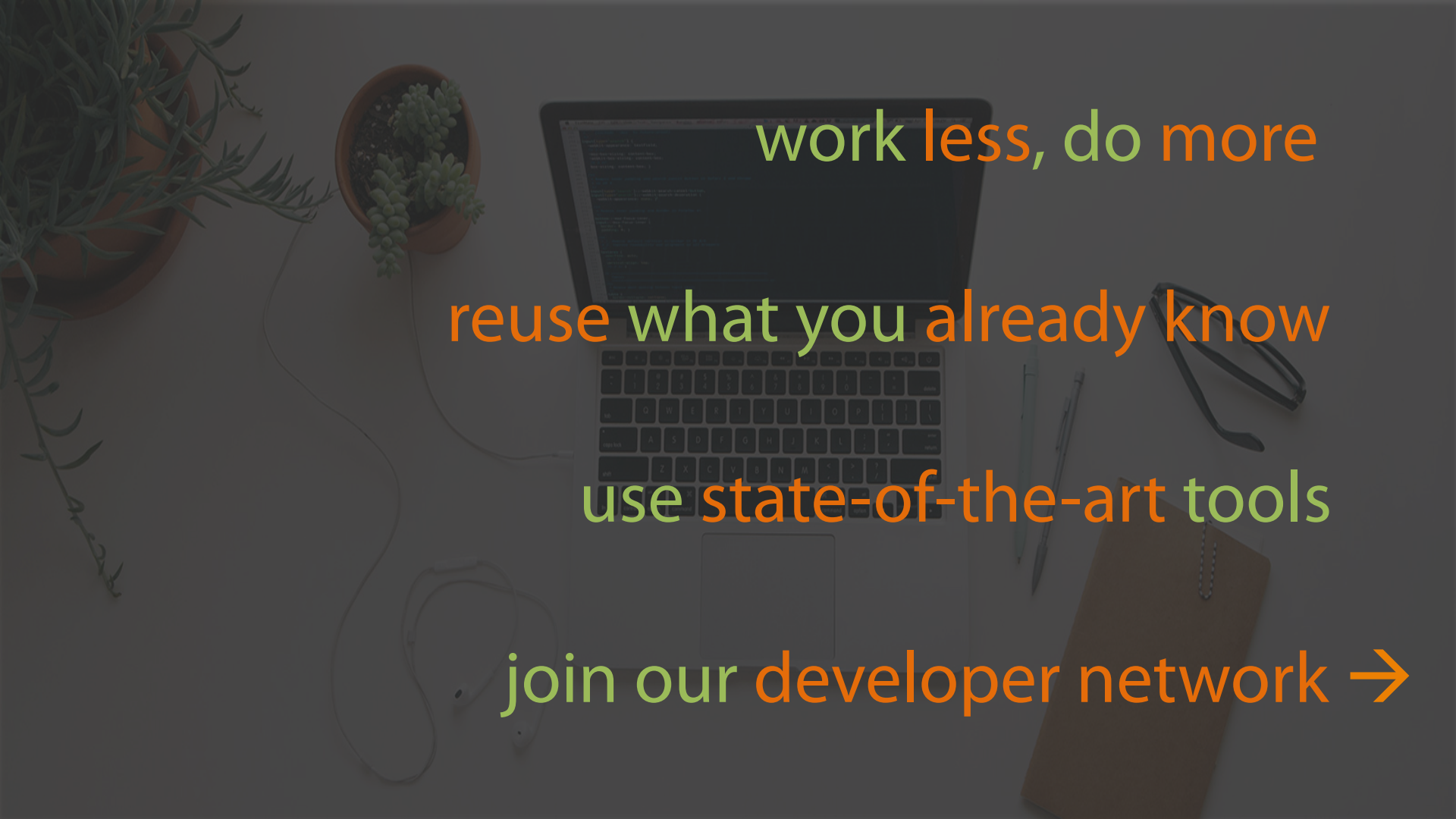
Duis aute irure dolor in reprehenderit in voluptate velit essecillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Aliquam ac feugiat dolor. Proin mattis massa sit amet enim iaculis tincidunt. Mauris tempor mi vitae sem aliquet pharetra. Fusce in dui purus, nec malesuada mauris. Curabitur ornare arcu quis mi blandit laoreet. Vivamus imperdiet fermentum mauris, ac posuere urna tempor at. Duis pellentesque justo ac sapien aliquet egestas. Morbi enim mi, porta eget ullamcorper at, pharetra id lorem.

Donec sagittis dolor ut quam pharetra pretium varius in nibh. Suspendisse potenti. Donec imperdiet, velit vel adipiscing bibendum, leo eros tristique augue, eu rutrum lacus sapien vel quam. Nam orci arcu, luctus quis vestibulum ut, ullamcorper ut enim. Morbi semper erat quis orci aliquet condimentum. Nam interdum mauris sed massa dignissim rhoncus.

independent JS apps
backed by Liferay

mobile web
dedicated
hybrid
native


work less, do more
reuse what you already know
use state-of-the-art tools
join our developer network →

https://dev.liferay.com

Sign In

LIFERAY
DEVELOPER NETWORK

The best place on the web to learn about Liferay.
200+ tutorials, guided learning and much more.

Search

DISCOVER

Build your web site, collaborate with your colleagues, manage your content, and more.

DEVELOP

Build applications that run inside Liferay, extend the features provided out of the box with Liferay's APIs.

DISTRIBUTE

Let the world know about your app by publishing it in Liferay's marketplace.

PARTICIPATE

Become a part of Liferay's community, meet other Liferay users, and get involved in the open source project.

DEPLOYING LIFERAY ACROSS THE ENTERPRISE

redhat.

Liferay Portal 6.2 EE Compatibility Matrix

Liferay Portal Enterprise Edition (EE) is only supported under the following configurations:

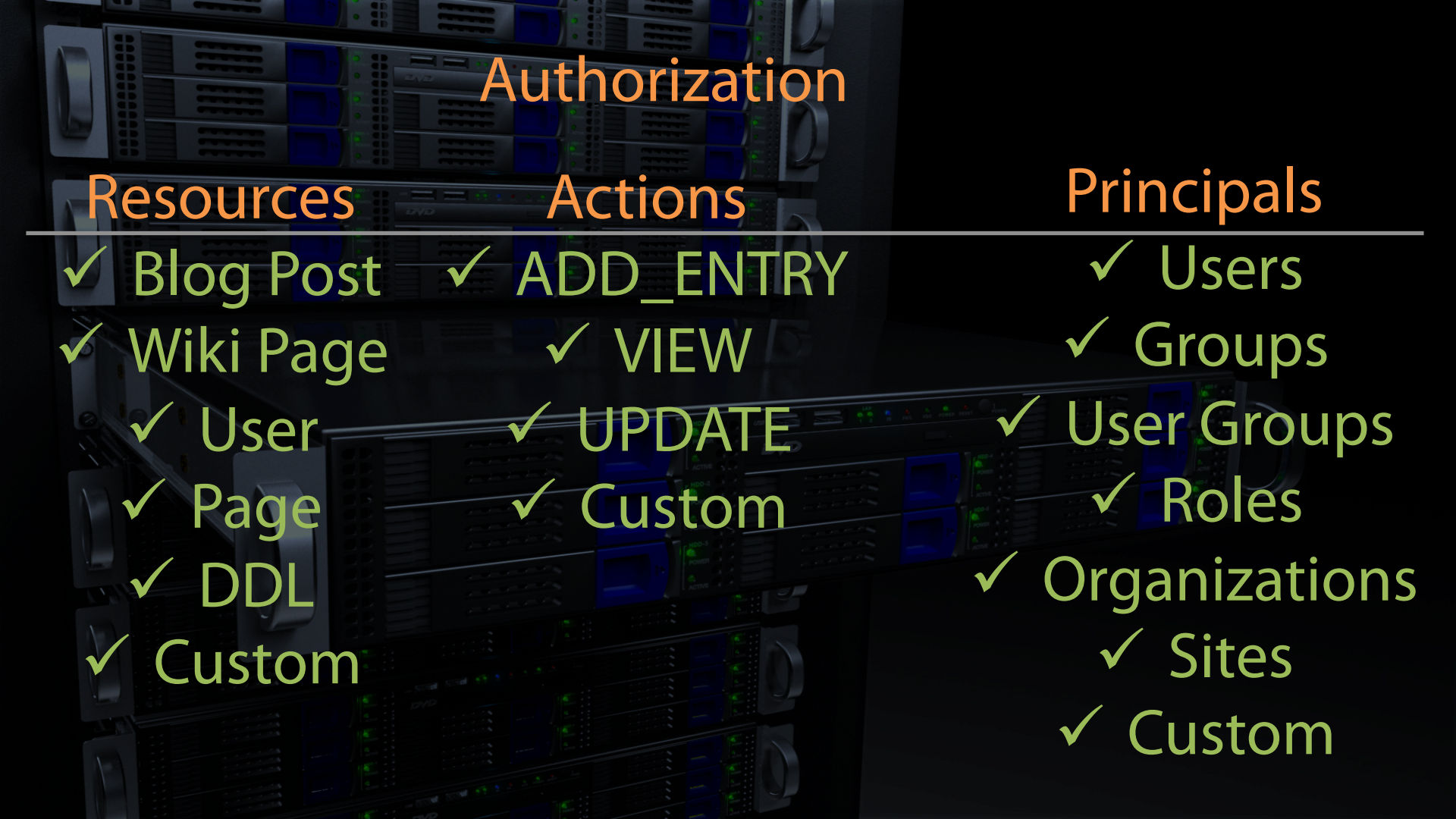
Application Server	Database	Operating System	Desktop Browser*	JDK
		Certified		
GlassFish v3.1 JBoss AS 7.1 JBoss EAP 6.0 JBoss EAP 6.1 Tcat 7.0 tcServer 2.6 Tomcat 7.0 Weblogic 12c WebSphere 8.5	DB2 10.1 MySQL 5.5 Oracle 11.2 PostgreSQL 9.2 SQL Server 2012 Sybase ASE 15.7	CentOS 5 CentOS 6 IBM AIX 7.1 Red Hat Enterprise 5 Red Hat Enterprise 6 Solaris 10 Solaris 11 Windows Server 2008 Windows Server 2012	Chrome 28 Firefox 22 Internet Explorer 8 Internet Explorer 9 Internet Explorer 10 Safari 5	IBM JDK 7 Oracle JDK 7 Oracle JRockit JDK 6
		Supported		
GlassFish 4.0 JBoss EAP 5.2 JBoss EAP 6.2 JBoss EAP 6.3 Resin 4.0 Tcat 6.4 tcServer 2.9 Tomcat 6.0 Weblogic 11g WebSphere 7.0 WebSphere 8.0	DB2 9.7 MySQL 5.6 Oracle 10.2 Oracle 11.1 Oracle 12c PostgreSQL 8.4 PostgreSQL 9.0 PostgreSQL 9.1 PostgreSQL 9.3 SQL Server 2005 SQL Server 2008 SQL Server 2008 R2 Sybase ASE 15.5	Debian 6.0 HP-UX 11i v3 IBM AIX 6.1 openSUSE 13.1 Oracle Linux 6.1 Red Hat Enterprise 7 SUSE Enterprise Linux 11 Ubuntu 10 Ubuntu 11 Ubuntu 12 Ubuntu 13	Chrome (latest version) Firefox 20 Firefox (latest version) Internet Explorer 6* Internet Explorer 7* Internet Explorer 11 Safari 6	IBM JDK 6 JDK 8 Oracle JDK 6

Authentication

- ✓ Liferay
- ✓ LDAP
- ✓ OAuth
- ✓ SAML

- ✓ LDAP/AD
- ✓ OAuth
- ✓ SAML
- ✓ JAAS

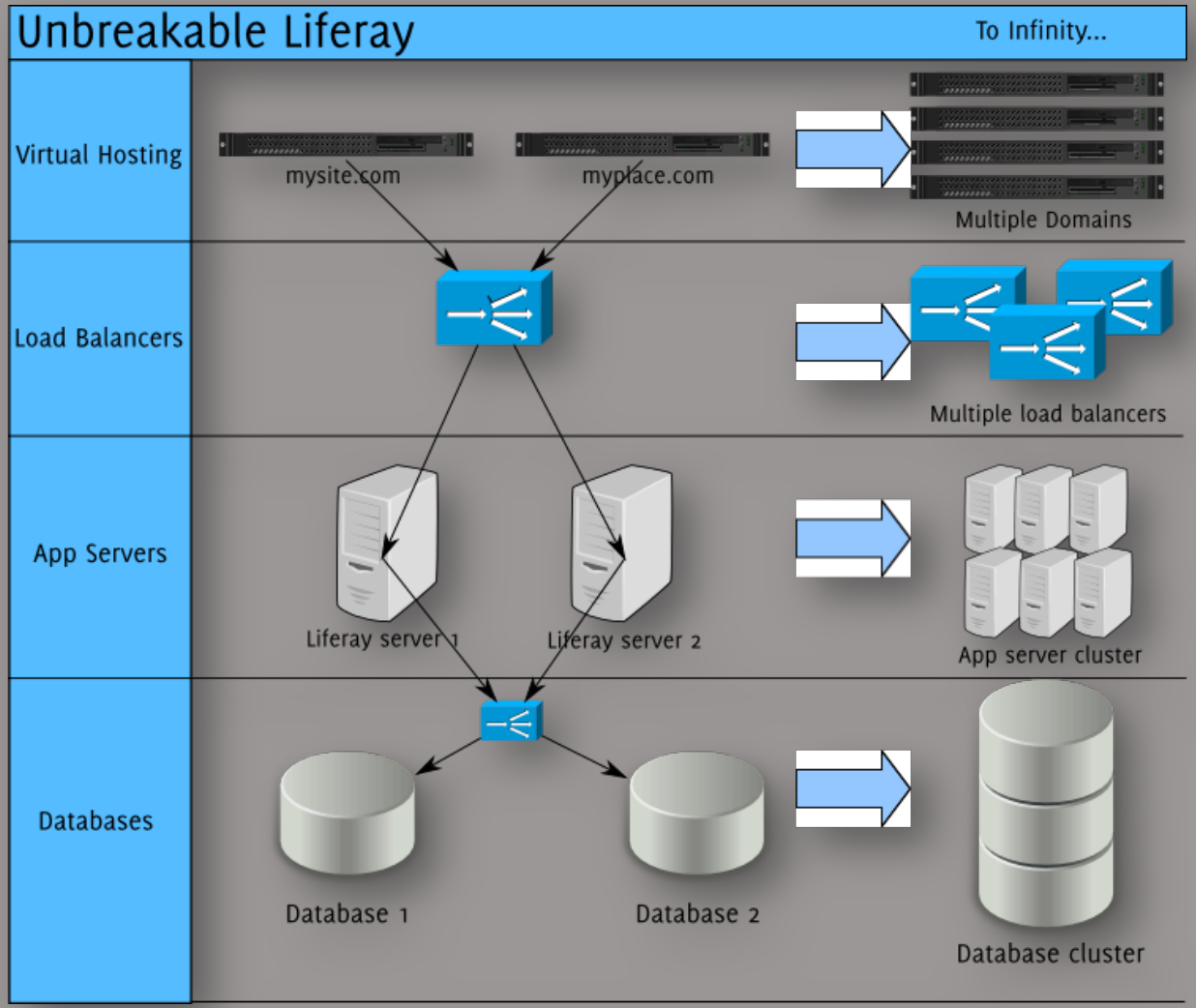
✓ CAS/NTLM/OpenAM/SiteMinder/OpenID/Social


Authorization
Resources
Actions
Principals
✓ Blog Post
✓ Wiki Page
✓ User
✓ Page
✓ DDL
✓ Custom
✓ ADD_ENTRY
✓ VIEW
✓ UPDATE
✓ Custom
✓ Users
✓ Groups
✓ User Groups
✓ Roles
✓ Organizations
✓ Sites
✓ Custom

Enterprise Features
✓ Dynamic Log Controls
✓ Auditing and Reporting
✓ Built-in Message Bus
✓ Pluggable Rules & Workflow
✓ Dynamic Data Lists
✓ WCM
✓ Content Staging
✓ Document Management
✓ Mobile/Social Collab

Native & 3rd Party Support For
✓ Sharepoint
✓ Documentum
✓ CMIS
✓ Exchange
✓ Google Calendar
✓ iCal/CalDAV
✓ jBPM
✓ Activiti
✓ Pentaho
✓ Google Drive
✓ MongoDB
✓ JasperReports
✓ BIRT
✓ OpenSocial
✓ Antisamy
✓ Solr
✓ Elasticsearch
✓ Drools

- ✓ IaaS/PaaS
- ✓ Public/Private via
  - ✧ Multitenancy
  - ✧ SAML/LDAP/SSO
- ✓ Remote development



- ✓ L1-L3 Cache
- ✓ Multiple cluster levels
- ✓ Distributed caching
- ✓ R/W Splits
- ✓ Sharding
- ✓ App Sandbox
- ✓ Remote developer tooling
- ✓ Sizing Guides

Access Critical Tools for your Liferay Deployment, 24/7

Get Started for Free

Liferay Connected Services

Back
Dashboard
Users
Subscriptions

Docs Environment

Add Server

JoeBloggsServer01 1
JoeBloggsServer02
JoeBloggsServer03

Fix Packs

Available | Installed

Download

	Name	Status	Download
☐	Portal 45	Available	⬇

LIFERAY © 2015 Liferay, Inc. All rights reserved. Privacy Policy

LIFERAY | Connected Services

- Back
- Dashboard
- Users
- Subscriptions

- Docs Environment

- Add Server

- JoeBloggsServer01 1
- JoeBloggsServer02
- JoeBloggsServer03

Docs Test - Nick / Docs Environment / JoeBloggsServer01

Notifications | Metrics | Server Details

Application | JVM | Server

Pages | Portlets | Cache

Name	Frequency	Average Load Time (ms)
Dockbar	62	284
Kaleo Designer Loader	60	0
Dockbar Notifications	52	68
Login	37	102
Hello World	28	0
Blogs	9	988
Control Panel Home	8	45
App Manager	2	477

20 Items per Page | Page 1 of 1 | Showing 8 results.

Do you find these metrics useful? What else would you like to see here? Send us feedback.

LIFERAY | Connected Services

- Back
- Dashboard
- Users
- Subscriptions

- Docs Environment

+ Add Server

- JoeBloggsServer01 1
- JoeBloggsServer02
- JoeBloggsServer03

Docs Test - Nick / Docs Environment / JoeBloggsServer01

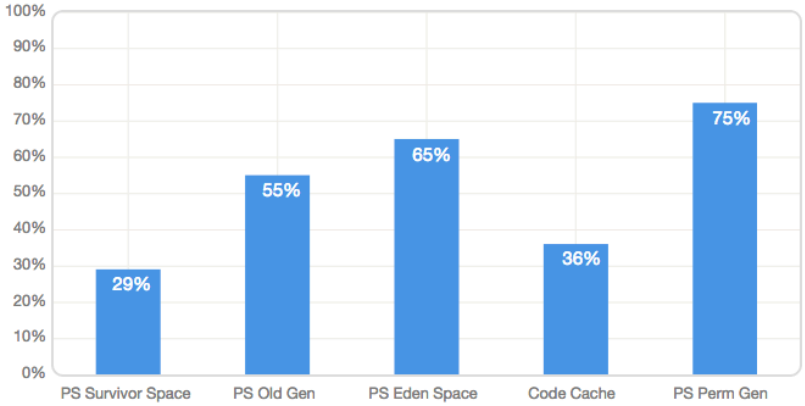
Notifications | Metrics | Server Details

Application | JVM | Server

Garbage Collector Metrics

Name	Runs	Total Time (ms)	Average Time (ms)
PS MarkSweep	3	1785	595
PS Scavenge	87	1327	15

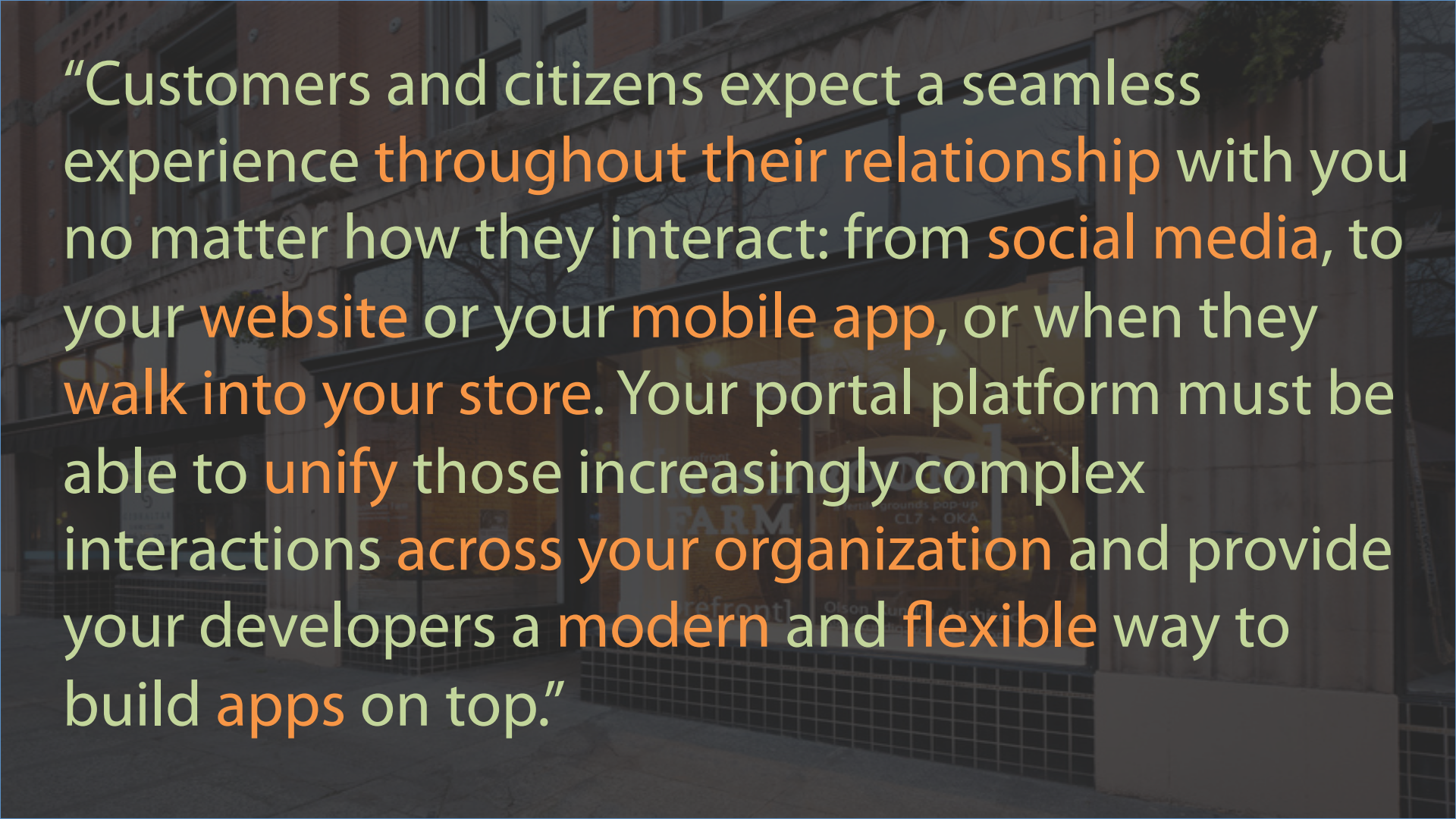
Memory Metrics



Do you find these metrics useful? What else would you like to see here? Send us feedback.

LIFERAY AS A DIGITAL EXPERIENCE PLATFORM

redhat.



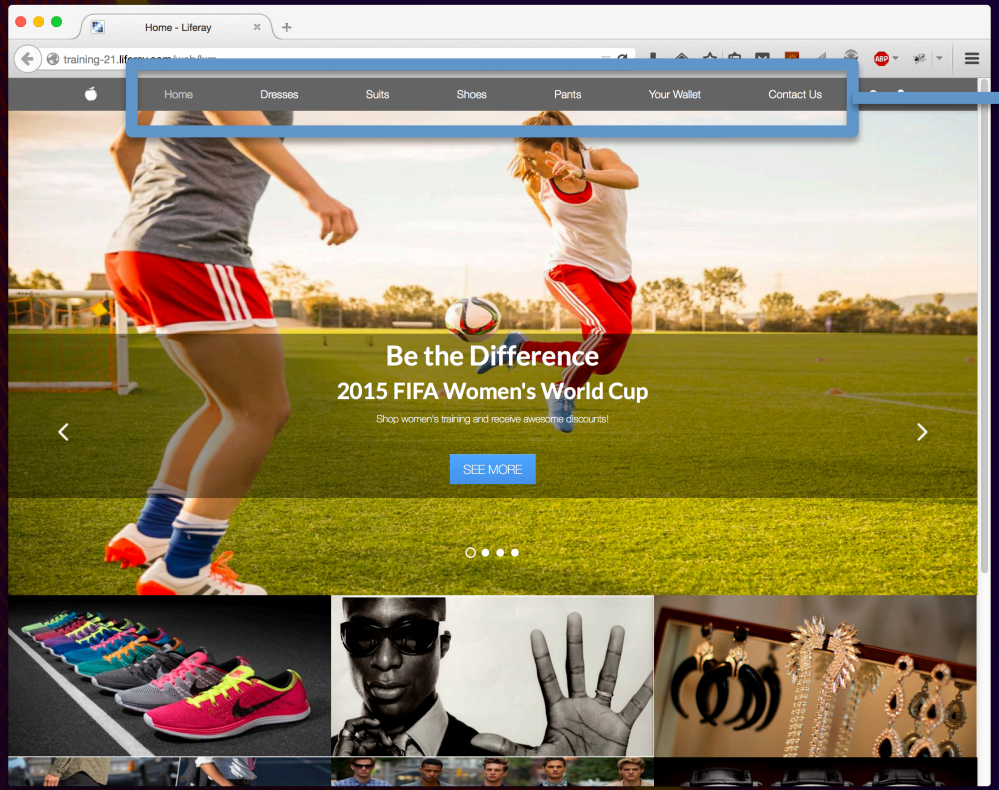
"Customers and citizens expect a seamless experience throughout their relationship with you no matter how they interact: from social media, to your website or your mobile app, or when they walk into your store. Your portal platform must be able to unify those increasingly complex interactions across your organization and provide your developers a modern and flexible way to build apps on top."

“seamless experience throughout relationship”
“unify interactions across organization”
“ provide modern flexible platform build apps”

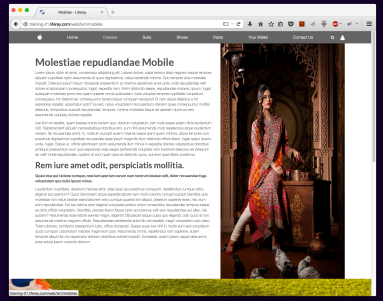
storefront
MUSHROOM
FARM
a fertile grounds pop-up
CL7 + OKA
storefront]
Olson Kundig Architects
olsonkundigarchitects.com
LEASE
GIBRALTAR

Liferay's "Digital Experience"
✓ Infrastructure
✓ Portal
✓ Search
✓ WCM
✓ Context
✓ Mobile & Push
✓ Web Services
✓ Actionable Analytics

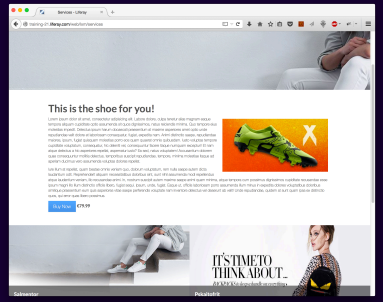
Pages categorized by user segment



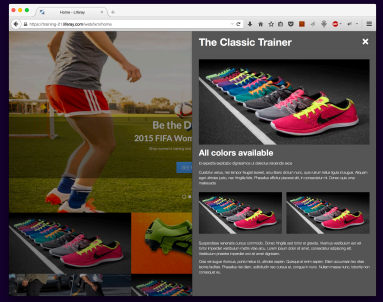
Men > 30 yo
Facebook Job = Interviewing



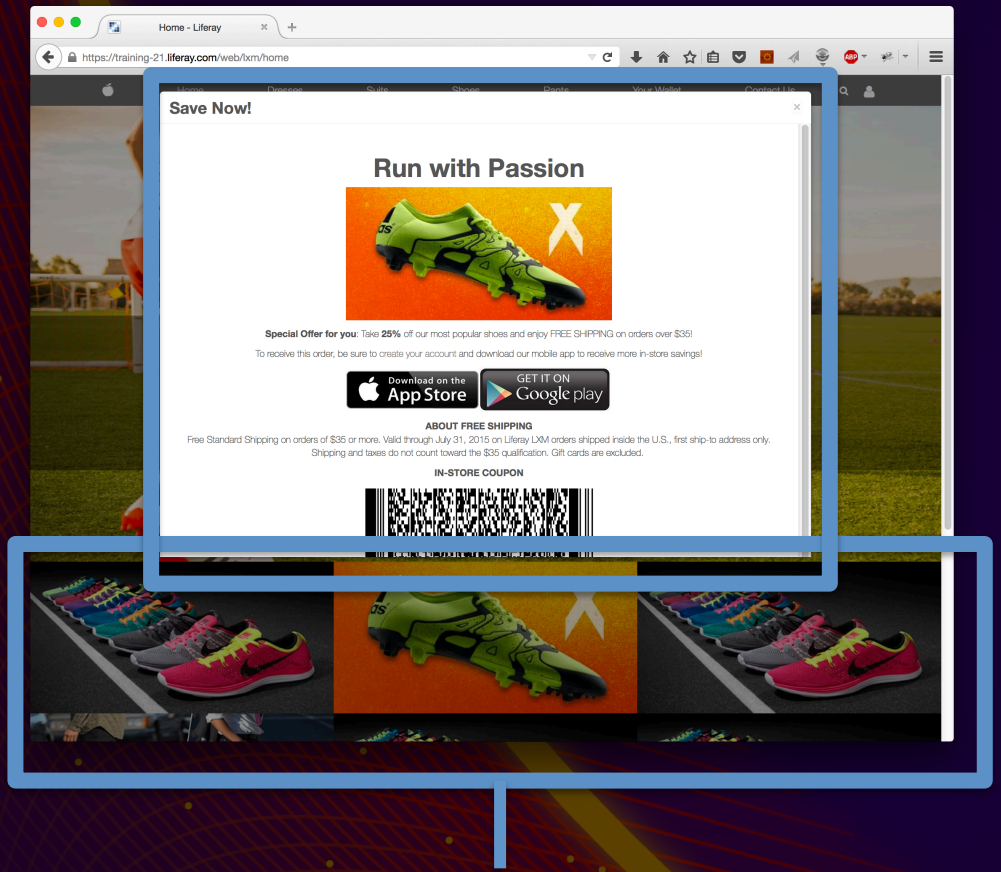
Income > €50k

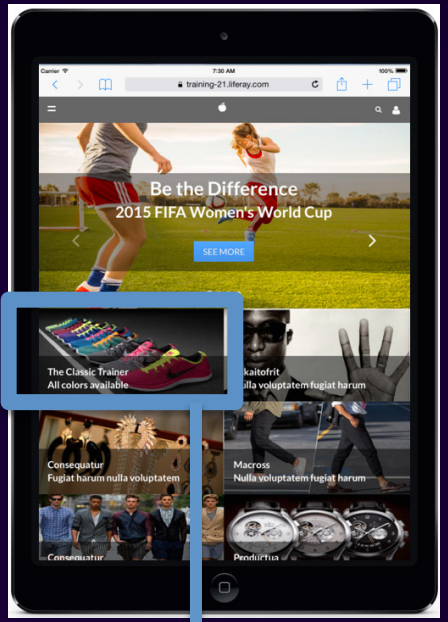


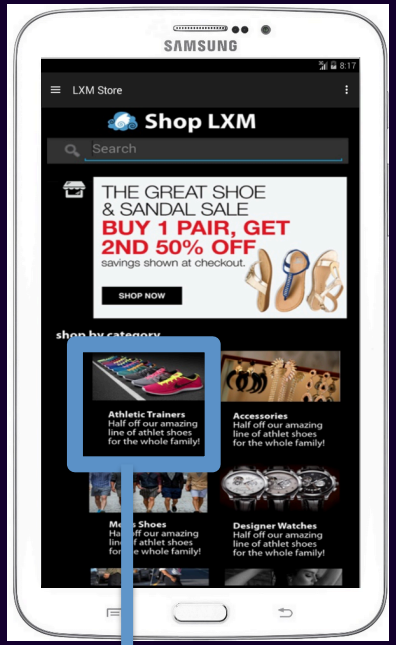
Spring Shoe Sale



Spring Shoe Sale





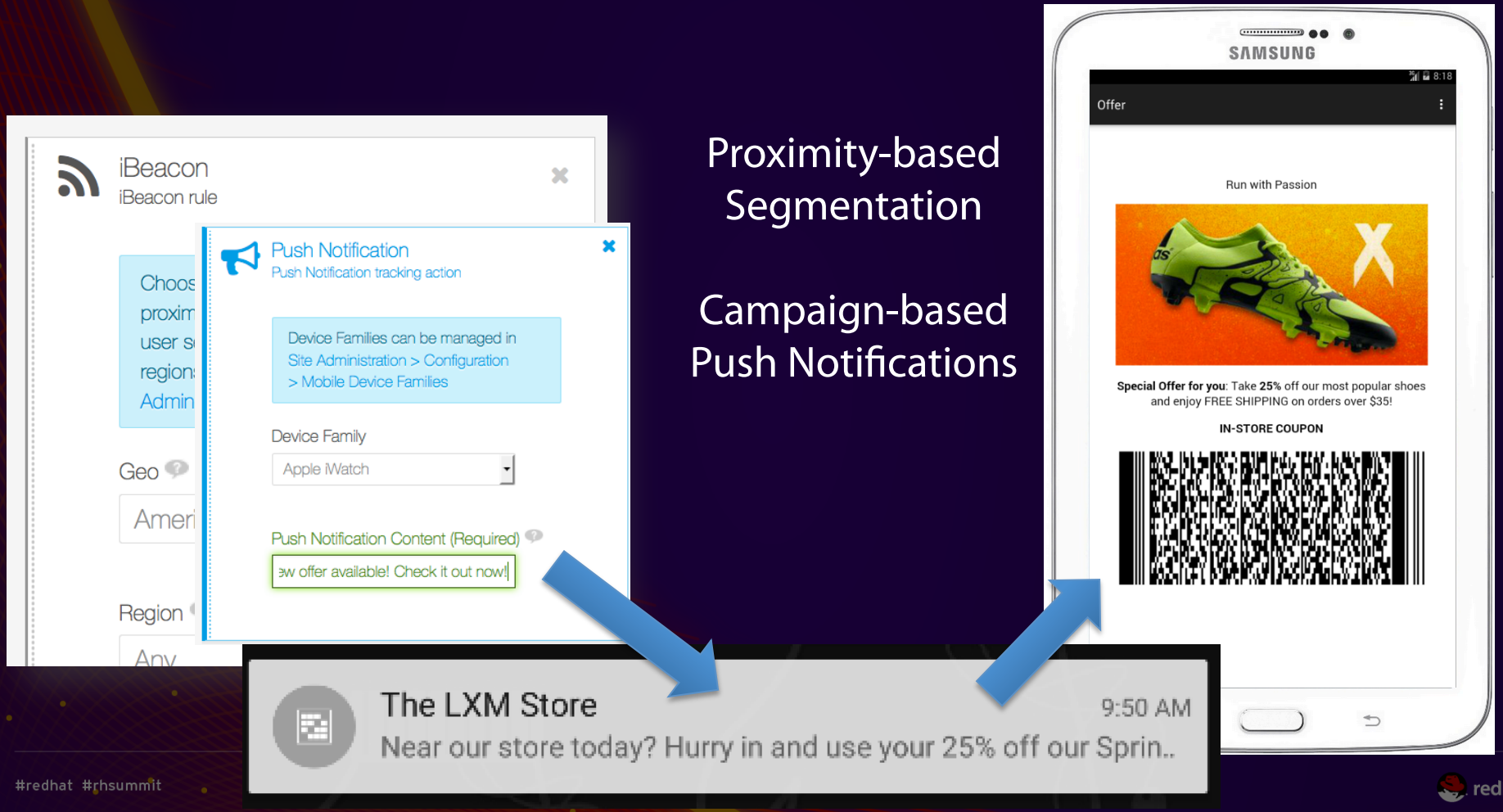


Multichannel content delivery

Multiple visits to page places user in segment

(behavior-based segmentation)

redhat.


iBeacon
iBeacon rule
Push Notification
Push Notification tracking action
Device Families can be managed in Site Administration > Configuration > Mobile Device Families
Device Family
Apple iWatch
Push Notification Content (Required)
ew offer available! Check it out now!
Geo
Region
Any
Proximity-based Segmentation
Campaign-based Push Notifications
SAMSUNG
Offer
Run with Passion
Special Offer for you: Take 25% off our most popular shoes and enjoy FREE SHIPPING on orders over $35!
IN-STORE COUPON
The LXM Store
9:50 AM
Near our store today? Hurry in and use your 25% off our Sprin..

Liferay
✓ Flexible and Modular Platform
✓ Modern Tools and Frameworks
✓ Developer Freedom
✓ Omni-Channel Experiences
✓ Enterprise Ready

LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.