



I Know What You Will
Do Next Summer



HTML



Activity Streams

Ich weiss, was du nächsten Sommer tun wirst

EntwicklerCamp 2012 – Session 4 Track 2

Gregory Engels

NOTES & DOMINO
ENTWICKLERCAMP

Abstract

Ein Blick in jede handelsübliche Kristallkugel verrät es in aller Deutlichkeit, welche Werkzeuge und Technologien demnächst zu den Standardwerkzeugen eines Domino Entwicklers zählen werden. Grund genug, sich diese Dinge, wie HTML5, CSS3, OpenSocial, OAuth, Activity Streams... schon heute anzuschauen. Wir werden in diesem Vortrag anschauen, was hinter den Einzelnen Schlagwörtern von Orlando sich verbirgt, und was man vielleicht heute schon davon gebrauchen kann, bzw., wo sich manches schon heute in der "Lotus Welt" wieder findet.

NOTES & DOMINO
ENTWICKLERCAMP

Some Rights Reserved

Copyright 2012 by Gregory Engels, Kompurity.
Except where otherwise noted, this work is
licensed under the Creative Commons
Attribution Non-Commercial Share Alike 3.0
License



Gregory Engels

Born in Moscow, live in Frankfurt,
Germany since 1989, two children
Been around Lotus Notes since 1998
Advanced Certified Domino Developer and
Admin and Security R5, R6, R7, R8, 8.5
Co-Author  **Redbook** Frequent
conference speaker, Founder Kompurity
<http://www.kompurity.de>
Specialize in Hosting, Infrastructure
management, Project management

Blog: <http://inotes.de>

Twitter: @dichter

contact me on XING, LinkedIn, FB, etc...



Pirate

- Pirate since 2009
- Member of the City Council of Offenbach
- Founding Chairman of Pirate Parties International



Lotusphere 2010

Notes



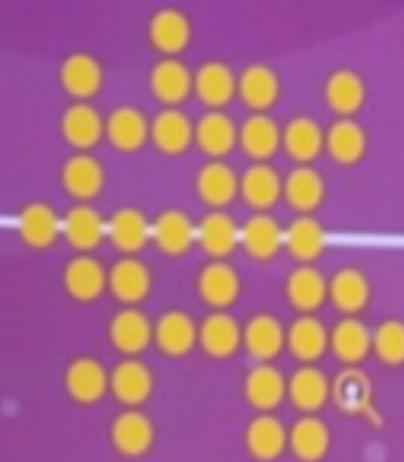
LotusLive



HTML5
CSS3
Dojo++
Widgets / Portlets

OpenSocial
Atom / REST
DXL
OpenID
OAuth

Cloud
Hybrid
PaaS



Social
Software

Outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not constitute a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products is subject to change without notice.

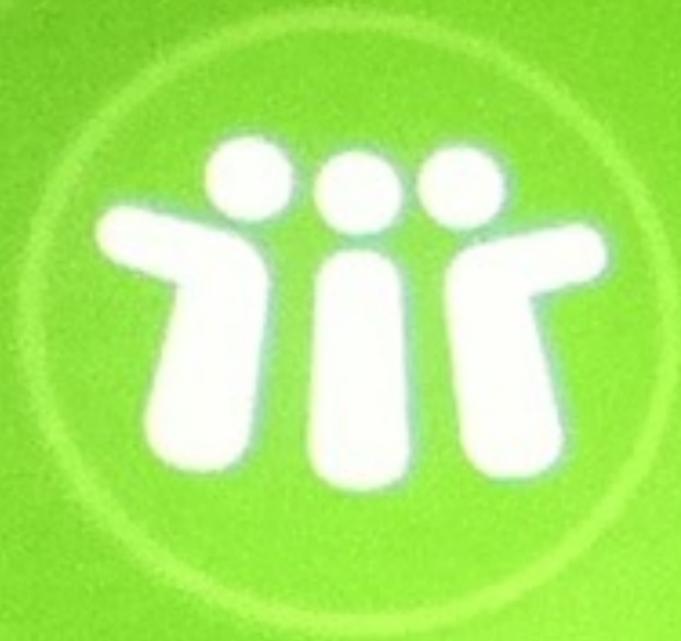


Project

VULCAN



Lotusphere 2012



Lotus Notes®
Social Edition



OpenSocial application model

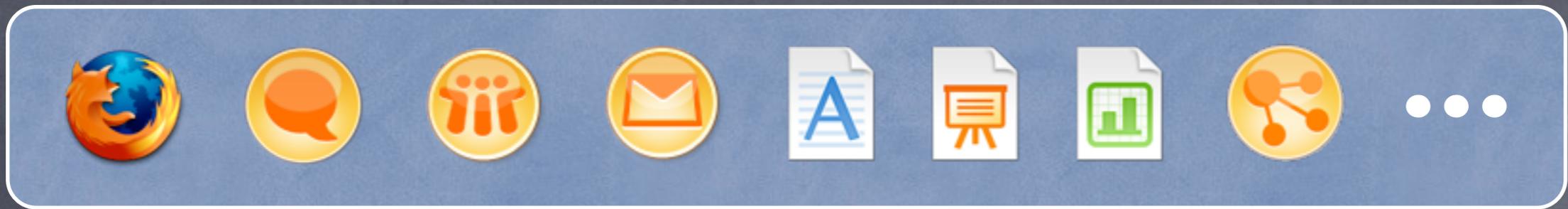


Agenda

- IBM Project Vulcan
- HTML5
- CSS3
- OAuth
- OpenID
- OpenSocial
- OpenSocial2
- ActivityStreams
- Cors

Project Vulcan

- Announced at Lotusphere 2010
- Is bound to change the way we work
- Provides an aggregated, unified view at data from different sources
- Will be delivered in a number of Products



Marshaller

Tagger

Classification Service

Indexer

Index



Total Recall

Dynamic Interest Profile

Enterprise or personal feed aggregator

Personal notifier

Services, Services, Services...



Activity Stream

Filter By: All Updates

Frank Adams shared the file [Great Recipe.jpg](#) with the community [Greenwell Product Launch](#).

Great Recipe.jpg
JPG 800 KB | Public | Tags
Dec 12 | 0 likes

Jasmine Haj created a new topic named [Greenwell \(an IBM Demo\)](#) in the [Greenwell Product Launch](#) forum.

Dec 12 | 0 likes

Paul Clemmons wrote on the community board.

Working on the new product branding issues with our branding attorney. Stay tuned.

Dec 8 | 0 likes

Samantha Daryn recommended the file [kitchen.gif](#).

kitchen.gif
GIF 800 KB | Public | Tags
Dec 6 | 0 likes

Frank Adams commented on the file [Greenwell Product Brochure.odt](#).

[Greenwell Product Brochure.odt](#)

Inbox

New Reply Delete

- Dan Misawa** 3:23 PM
Invitation: Manager's Meeting
- Minh Li** 3:28 PM
Please send the charts when you get a chance
- Samantha Daryn** 2:45 PM
Greenwell Product Update presentation
- Dan Misawa** 11:30 AM
Marketing plan for the new extranet site
- Minh Li** 10:32 AM
Updated Presentation
- Samantha Daryn** 9:30AM
Gift for Susan

Day - At - A - Glance

- Jane and Paul's Anniversary**
- ✓ **9:00 AM - 10:00 AM**
Sales Meeting Call-in number 222-111-2222
www.greenwell.com
Samantha Daryn
- ✓ **2:00 PM - 3:00 PM**

HTML



HTML5

- Currently a first working Draft (22.Jan.2010)
- Will bring a lot of changes
- will replace the current HTML versions
- not focused on design, but rather on user interface

HTML5 News

- <Canvas>
- Offline Storage
- Native Video Support
- Drag and Drop
- Cross Document Messaging
- Document Editing
- Geolocation API
- New Elements
- Form 2.0

HTML5 new Elements

- New elements – `<article>`, `<aside>`, `<audio>`, `<canvas>`, `<command>`, `<details>`, `<datalist>`, `<dialog>`, `<embed>`, `<figure>`, `<footer>`, `<header>`, `<hgroup>`, `<keygen>`, `<mark>`, `<meter>`, `<nav>`, `<progress>`, `<output>`, `<rp>`, `<rt>`, `<ruby>`, `<section>`, `<source>`, `<time>`, `<video>`

HTML5 Controls

- New types of form controls – dates and times, email, url, search
- Global attributes (that can be applied for every element) – id, tabindex, hidden, data-* (custom data attributes)

- Forms will get support for PUT and DELETE methods too instead of just GET and POST
- Deprecated elements dropped – ~~<center>~~, ~~~~, ~~<frameset>~~, ~~<strike>~~

HTML 4



HTML 5



CSS3



W3C CSS3

- an upcoming standard
- Some parts of it in "last call" state
- Introduce some real programming in CSS

CSS3

- Border Radius
- Border Image
- Box and Text Shadow
- RGBA and Opacity
- Any Font you like
- Gradients
- Transforms (rotate)
- Transitions
- Column Support
- Multiple Background Images
- Text Overflow
- Masking

S IS OPEN TILL 6 P.M. !!!!!!!!!!!

MECOMING !!

YVETTE'S

Established 1980

PROM

Models, click here ~*

Veils

TUXEDOS

***TUXEDO * Pink Links**

Literature

PAGEANT

Welcome to Yvette's habla poquito espanol !!

click here **Yvette's... Mary Kay Cosmetics

Nous aimons la France. ***

located in Beautiful Panama City, Florida

Wedding Pink Links

Kitty Chen Couture

Prom Gowns, click here ~*

CASUAL & CRUISE WEAR

Yvette's has Plus Sizes, click here ~*

Yvette's has Garters

wedding bridal formal

THERE IS NEW STRENGTH, REPOSE OF MIND, AND INSPIRATION IN APPARELSHOP

ELLA WHEELER WILCOX

CLICK HERE TO SEE ANOTHER QUOTE !!

A MAP TO YVETTE'S LOCATION!!

FORMAL

YVETTE'S

NY

TO

(850) 871-3000

Tuxedo

Just because you can, does not mean you have to.

OAuth



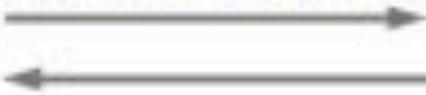
- OAuth is a open Protocol for Authorization
- Token based, does not need a password

- 1. Obtain request token (get_request_token)
- 2. User login and authorizes request token (request_auth)
- 3. Exchange request token for an access token. (get_token)
- 4. Use access token to request protected resources. (Renew after expiry with get_token)

Tutorial Website



OAuth transactions and redirects

1. Using consumerKey and secretKey, obtain a *request token*.

2. Using the *request token*, obtain an authorization url.

3. Redirect to authorization url.

4. Redirect back to website with oauth_token.

5. Use oauth_token to obtain *access token*.

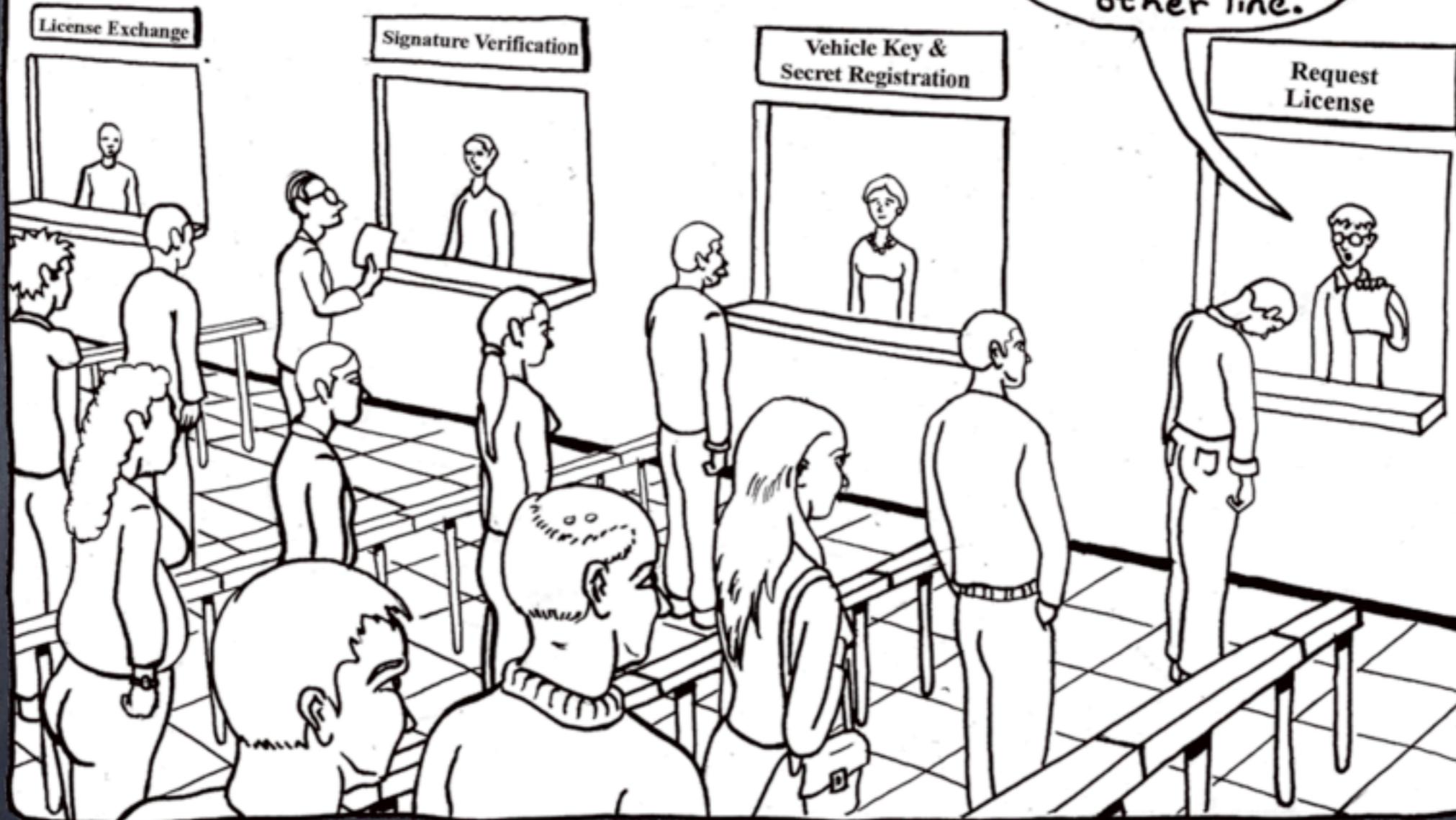
6. Use *access token* to fetch social data!


OpenSocial Container



DEPARTMENT OF MOTOR VEHICLE

Now OAuth Enabled



Sir, you need to first fill this Vehicle Key form in three copies and go to the other line.

thin cartoon '07
© hveniverse.com

Xpages Social Enabler

- <http://socialenabler.openntf.org/>
- Today Session 5 Track 1 by Niklas Heidlof

OpenID



- OAuth is for Authorization, OpenID is for Authentification
- Login with your OpenID at other websites.
- "The Future" of single sign on



Look for the "Sign in with a Google Account" button or use your Google Profile URL.



Look for the "Sign in with Yahoo" button.



Look for the "Yahoo! JAPAN IDでログイン" button.



Enter "username.livejournal.com"



Click the "Sign in with Hyves" button.



Enter your blog URL: "blogname.blogspot.com"



Look for the "Sign in with Yahoo" button or enter "www.flickr.com/username"



Click the "Sign in with Orange" button or enter "orange.fr"



mixi is a web service that allows users to communicate with their friends and acquaintances.



Look for the "Login with MySpaceID" button or enter "www.myspace.com/username"



Enter your Wordpress.com URL, for example: "username.wordpress.com"



Look for a "Sign in with AOL" button or enter "openid.aol.com/screenname"

You may already have one



*"Do you remember my OpenID URI?
It was either dog.pets.com, =dog, snowclonedog, ..."*

Activity Streams



- Syndicate social activity
- Stream of Activities
 - What is happened (Verb)
 - By whom (Actor)
 - Against something (Object)
 - Maybe with a (Target)

Actor Verb Object Target

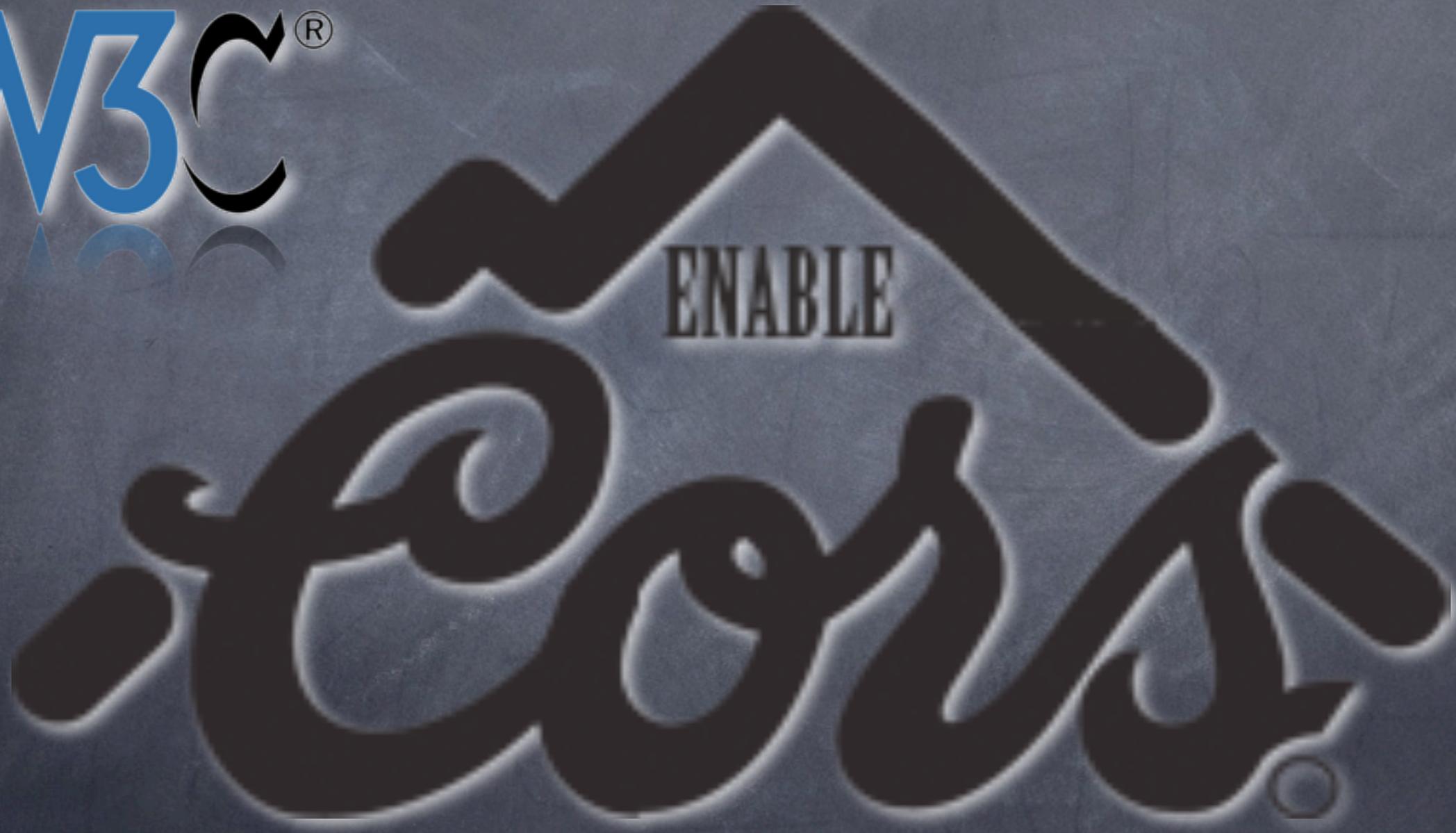
Person shared a link

Person started following a person

Developer fork Project-Name

• <http://activitystrea.ms/>

Cors



- Cross Origin Ressource Sharing
- Adding HTTP Response Header
- Access-Control-Allow-Origin: *
- Access-Control-Allow-Origin: http://example.com:8080 http://foo.example.com

- Its like an ACL for Websites
- Allows HTML5 and AJAX to acces stuff on other domains
- <http://enable-cors.org/>

OpenSocial



- an cross platform API for social
- Google, Myspace, XING, Facebook, etc
- Let anyone build a social app

- Embedded Experience
- OpenSearch Support
- OAuth
- Support for Mobile Experience

Open Social2 Demo

The screenshot displays the Open Social2 Demo interface. At the top, there is a navigation bar with a 'Home' icon, 'Customize', and 'Developer Panel' buttons, and a search bar on the right. The main content area is divided into two columns. The left column, titled 'Connect and Share', features a 'My Activity Stream' section with tabs for 'For Me', 'Notifications', 'Saved', and 'Discover'. Below this is a 'Show: All Updates' dropdown and a 'Display' toggle. A 'Share something...' input field is present. The activity stream shows several posts: Bill Ranney posted a 'New Task On Wrike.com' (with a green checkmark icon) where Vivian assigned a task; Betty Zechman posted a 'YouTube Video' titled 'OpenSocial Tutorial - Part 1: Gadget Basics'; Bill Ranney posted a 'To Do Task' with a due date of July 15; and Kelly Hardart posted an 'Invitation'. The right column, titled 'Mail', shows an 'Inbox' with folders for 'Drafts', 'Sent', 'Trash', and 'Folders'. The inbox contains several messages: Bill Ranney at Wrike (4:27 PM) with subject 'A new task was assigned to you Approve or Reject'; Dennis Michaels (8:44 PM) with subject 'SurveyGizmo - OpenSocial SoTU Survey Try out this embedded experience!'; Frank Adams (1:24 PM) with subject 'WindowBuilder Pro SWT Development Samantha please take a look at this video...'; Samantha Daryn (12:44 PM) with subject 'Project Sofia kicking off soon We're starting to see some traction with the new project...'; Frank Adams (12:10 PM) with subject 'Status updates Send me your preferences for updates - we could go a'; and Betty Zechman (9:40 AM) with subject 'Invitation: Amado executive review Check out this Embedded Experience'. At the bottom right, there is a status indicator 'I am available' and a chat icon.

<http://sandbox.opensocial2.org:8080>

Reference

- <http://openid.net>
- <http://oauth.net/>
- <http://www.w3.org/Style/CSS/>
- <http://www.css3.com/>
- <http://www.w3.org/TR/2010/WD-html5-diff-20100304/>
- <http://www.w3.org/TR/2010/WD-html5-20100304/>
- <http://www.opensocial.org/>
- <http://html5demos.com/>
- <http://www.sproutcore.com/>
- <http://www.modernizr.com/>
- <http://html5shiv.googlecode.com>
- <http://excanvas.sourceforge.net/>
- <http://www.smashingmagazine.com/2009/07/06/html-5-cheat-sheet-pdf/>
- <http://yvettesbridalformal.com>
- <http://www.w3.org/TR/cors/>
- <http://activitystrea.ms/>
- <http://enable-cors.org/>

Picture Credits

- <http://www.flickr.com/photos/jaywalk/1283912388/> BY-NC-CC2.0

Contact

- Gregory.Engels [📧] kompurity.de
- follow me on Twitter: <http://twitter.com/dichter>
- read my blog: <http://inotes.de>