Standard Social Sharing and Aggregation on the Go

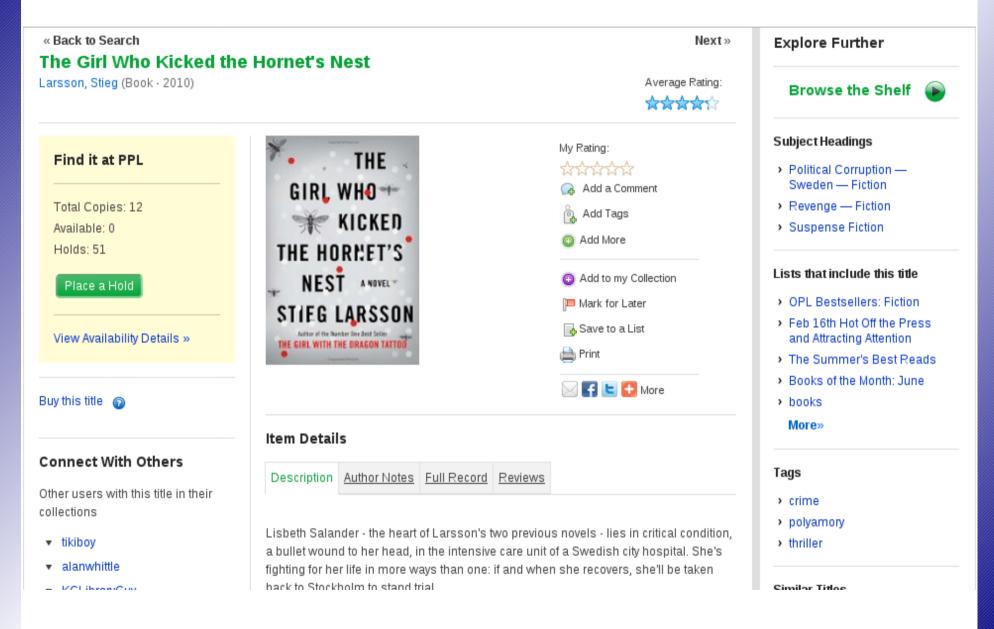
Dan Scott, Laurentian University October 14, 2010

Why me?

- In the current online sense of "social", I'm antisocial:
 - I killed my mostly inactive Facebook account
 - Just over 300 posts on Twitter
 - Over 800 posts on identi.ca but that's more like a small club of free-as-in-freedom enthusiasts
 - Mostly passive LinkedIn account
- And there are social OPACs right now

For supporting social features in a user-friendly way, see these people:

Bibliocommons

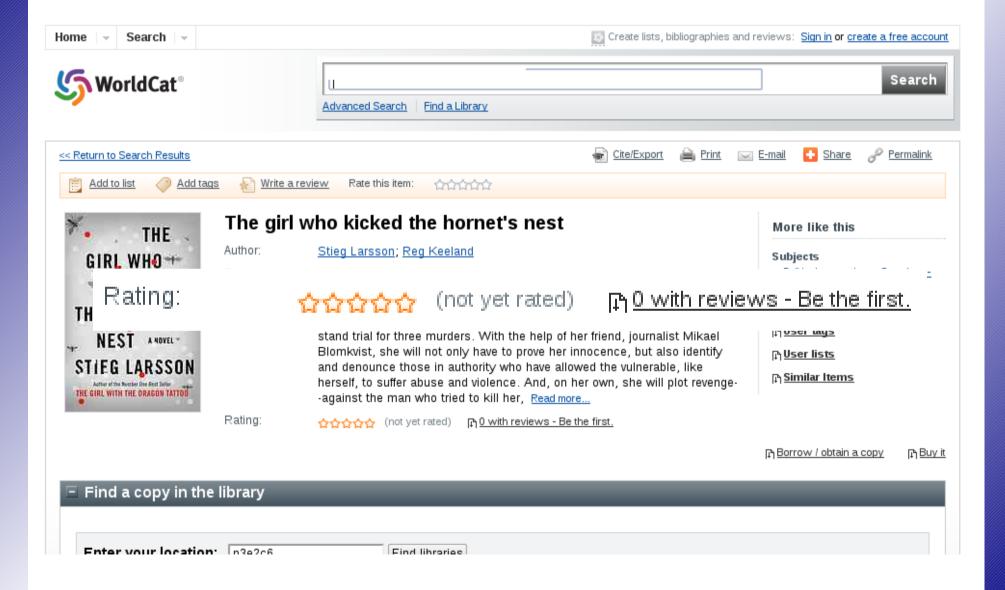


SOPAC



John Blyberg – The Social OPAC

OCLC WorldCat



... and others with social features

- Koha 3.x (tags, comments, public lists)
- VuFind (tags, comments, favourites(?))
- Blacklight (tags, lists(?))
- Scriblio (tags, comments)

But we need to bust out of our library, or coax people into the library, or both

Fun with ZeroConfMetaOpenSearch Code4lib 2007, Dan Chudnov



"...man is a social being, and formed by nature to associate... But it is evident that it is better to pass our time with friends and good men, than with strangers and anybody indiscriminately. The happy man, therefore, wants friends."

Happy people have friends!

- Making and keeping friends requires sharing something about yourself
 - Many online services for XXX offer the ability to share info about your XXX activities naturally
 - Many libraries don't currently offer the ability to share info about your library activities naturally

We can be friendlier than utilities...

Arlington Public Library

Central Library

Items are due on the date listed below. A fine is charged for each day, including Sunday and Holidays, for each item that is overdue. www.arlingtonva.us/lib

6 items checked out

Item	Title	Due
202032372432	Sunrise alley	10/6/2008
202028169251	A summer to remember	10/6/2008
202032951750	Blood brothers /	10/6/2008
202032738634	Pirate freedom	10/6/2008
202032460702	Definitely dead /	10/6/2008
202028121648	The bartered bride	10/6/2008

15/2008 2:28:56 PM

Consolidated Statement Summary / Sommaire des factures

Balance Forward | Solde reporté

\$177.41



Payments and Adjustments | Paiements reçus et ajustements Payment received / Paiement recu

Sub Total | Total partiel: \$177.41 CR



Electricity | Electricité

Service from/service de May 5, 2010 to/à | une 22, 2010 (48 days/jours)

Sub Total | Total partiel: \$147.53



Water/Waste Water | L'eau/L'eau usée

Service from/service de April 21, 2010 to/à | une 22, 2010 (62 days/jours)

Sub Total | Total partiel: \$104.63

GST | TPR #R865937593 \$7.38 Total Amount Due | Montant dû \$259.54

Lusty Reader. "Gump's momma might have said..."

...without being poseurs



We have friends all around the world

- When libraries do offer a natural means of sharing something about yourself, many do it in a very centralized fashion
- When I write a witty review about J.M. Barrie's Peter Pan, my friends in Vancouver don't want to have to check my library's OPAC in Sudbury to find out about it

Friends are interested in your life

- In a mechanical sense, life is a sequence of interacting with things and our reactions to those interactions
 - Dan posts: "I finished reading *Through the Looking Glass* to Amber last night. It was awesome!"
 - Cindy: "ZOMG! She's growing up so fast!"
 - Eric: (finds Through the Looking Glass and adds it to his reading list)
 - Keith: "That's one weird book."

Libraries as social misfits

We have some great user interfaces for social information in catalogs now...

But we've created more damned silos.

If you're not sharing, you're not social.

PLAY NICE!

SOPAC - AADL

Community Reviews

Rating: ¶¶¶¶¶ (6 votes - Login to add yours)

okay, fine, it lived up to the hype

submitted by manz on August 21, 2010, 10:18 am

As a mega fan of Nordic fiction, I avoided this triology because it was so popular. But I was curious... out of ALL the MANY books and authors to come out of Swedish translation (and Iceland, Norway, etc.), why is this one so popular among the masses? So I read it, and yes it is different than other Swedish crime fiction, and yes, I did enjoy the LONG books in this series.

It was for sure a fitting end to the trilogy. While I'm sad that the adventures of Lisbeth and Blomkvist won't continue in print form, I'm glad it doesn't have a chance to be too watered down like some neverending series can end up. (As of this writing, that is. I won't mention the unfinished partial future books sitting on the late Stieg Larsson's laptop.)

Stieg Larsson's last and best effort

submitted by clmcdl on July 10, 2010, 2:01 pm

A satisfying conclusion to Larsson's trilogy. Very clever in his plot twists, combining compelling characters with a fast paced plot - you'll want to keep reading once you start, so plan accordingly. Read it and join the rest of the world in mourning the untimely and tragically premature loss of this author.

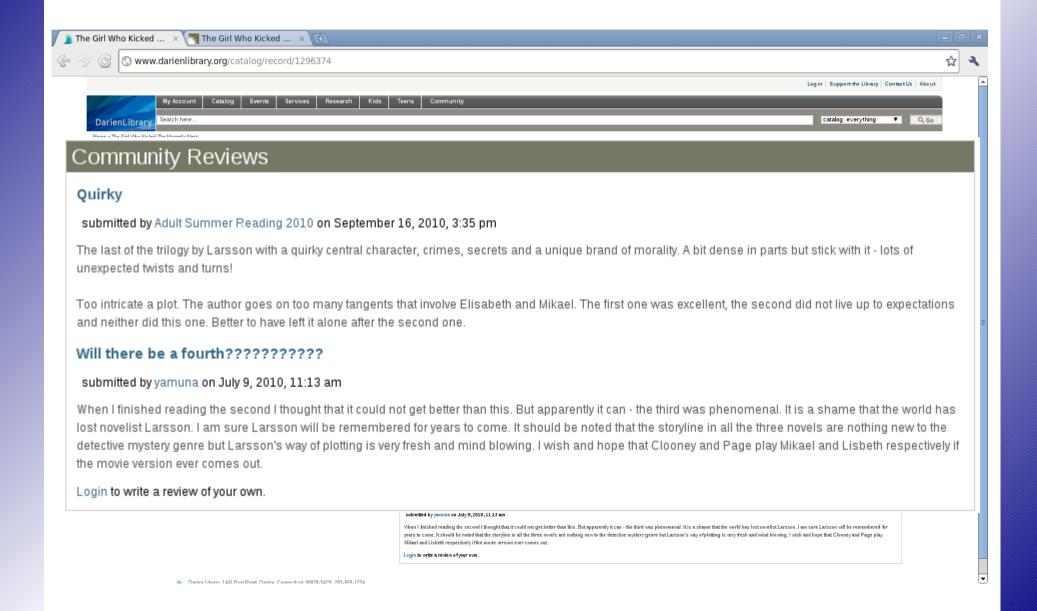
Nonreview

submitted by jaegerla on June 10, 2010, 12:13 pm

I'm afraid of writing any kind of review for fear of ruining the ending. Let's just say it was a good finish to the trilogy.

Login to write a review

SOPAC - Darien



Why me, again?

- Evergreen, currently, is not very social
 - Public bookbags, but the only way to share the links is by cutting and pasting
 - I want to help Evergreen make friends

Goal:

- Take current standards for social sharing
- Implement as part of Evergreen
- See what happens and reflect on the experience
- Hopefully someone with usability and design skills

Enter Activity Streams

- The Activity Streams specification:
 - Extends the Atom syndication protocol



- Provides explicit actor/verb/object/target relationships
- Offers a standard means of syndicating social activity
- Is being generated and consumed by real services today

Blog

Developer Blog



Yariv Sadan Wednesday, August 5, 2009 at 1:57pm

Streamlining the Open Stream APIs

We launched the Open Stream API in April to give developers access to a core Facebook experience, and the ability publish to users' streams. The Open Stream API supports several different publishing methods as well as the Atombased Activity Streams framework for reading the stream.

Today, we are announcing updates to the Open API Stream, including:

- Simpler JavaScript methods for publishing: Use the new stream.publish method in JavaScript to publish stories from your website or application.
- Facebook Pages support: Access the stream for Facebook Pages without a session and publish to the stream on behalf of a Page.
- Attribution: The name of your application will appear in the stream for stories published with the Open Stream API, allowing for greater visibility for applications in stream stories.

New JavaScript Methods for Publishing

With the launch of the Open Stream API, we created stream.publish, a method to simplify publishing into a user's stream, and replacing the previous versions that relied on Feed templates. To publish stories using this method server-side, a user must first grant the publish_stream permission to your application to publish on the user's behalf. You don't need any other permissions or approvals to use this method.

Now, we've created a JavaScript version of stream.publish (also available via FBJS as Facebook.streamPublish) which



Standards for Activity Streams

Content > MySpaceID

Content > Open Standard Specs > ActivityStreams

This document explains how to consume the Activity Stream of an end user. An activity stream is very important for driving behavior as it contains the latest trends and details about what users in your social graph are doing: updating photos, adding music to their profile, hosting events, making new friends, etc. The information available via this api is very rich. It is in fact, the same information we use to build the MySpace Home page and the MySpace Profile pages.

Articles in this Series:

- Standards for Activity Streams
- Activity Stream: Applications
- Activity Stream: Events
- Activity Stream: Music
- Activity Stream: Notes
- Activity Stream: People
- · Activity Stream: Photos
- Activity Stream: Public
- · Activity Stream: Queries
- Activity Stream: Videos

RESTful APIs

Library (JSL)

OpenSocial

 Onsite Apps ■ MySpaceID Offsite ■ Share on MySpace

Learn More

■ Real Time Stream

MySpace SDKs

Guides & Tutorials

Developer Analytics

Communication Channels

MySpaceID Javascript

- Overview
- Activities
- Albums
- App Data
- Groups
- Media Items

Contents [hide]

- 1 Personal Activities
- 2 Friend Activities
- 3 Activities Stream Semantic Format
 - 3.1 Atom Entry Format for Activities

Personal Activities



The Windows Blog

Blogs + Videos Windows.com Home Search Site

Windows Live for Developers

Windows Live and Activity Streams









Did you know that Microsoft's Windows Live has been actively embracing the emerging Activity Streams open standard?

About a month ago, I traveled to Portland, Oregon, USA to participate in a "Federated Social Web Summit" organized the day before OSCON by Evan Prodromou and the team from Status.net. We spent the morning with each participant demo'ing their project or protocol for about five minutes. Below is my attempt to re-format my presentation as a blog entry.

Syndication

RSS for Posts

■ Atom

RSS for Comments

Recent Posts

New research supports business impact of "Connecting"

by Angus Logan | on Sep 21, 2010

Windows Live and Activity Streams

Forum

Terms



Google Buzz API (Labs)



What is Google Buzz?

Google Buzz is a new way to share updates, photos, videos and more, and start conversations about the things you find interesting.

Connect to Buzz

Connect sites to Buzz with:

- Atom/RSS
- MediaRSS
- PubSubHubbub
- Social Graph API

Share Buzz updates New!

Full read/write support with:

- Activity Streams
- AtomPub
- OAuth
- PubSubHubbub
- JSON

How do I start?

Docs

Home

Join the conversation at <u>buzz.google.com</u>

Blog

Share your Buzz updates

FAQ

· Connect sites to Buzz

Featured Video

Introducing Google Buzz:

Missing Plug-in

We want your feedback

Google Buzz is the latest way to make the web more universally social. But we're just getting started and need your feedback.

Enter Activity Streams

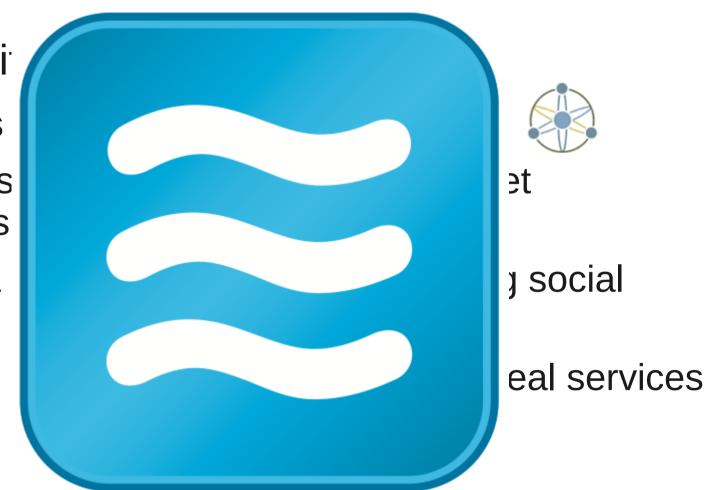
• The Activi

Extends

Provides relations

Offers a activity

Is being today



Activity Stream: example

```
1 <?xml version="1.0"?>
> <feed xmlns="http://www.w3.org/2005/Atom" xmlns:activity="http://activitystrea.ms/spec/1.0/"</pre>
   xmlns:poco="http://portablecontacts.net/spec/1.0">
    <id>tag:localhost,2010-10-10:/opac/social/user/2.atom</id>
    <updated>2010-10-10T14:03:41Z</updated>
    <link rel="alternate" type="text/html" href="http://localhost/opac/social/user/2"/>
    <link rel="self" type="application/atom+xml" href="http://localhost/opac/social/user/2.atom"/>
    <title>Personal activity stream for Dan Scott</title>
    <poco:displayName>Dan Scott/poco:displayName>
    <author>
       <name>Dan Scott</name>
      <email>foo@example.com</email>
10
    </author>
    <poco:preferredUsername>dan</poco:preferredUsername>
11
12
       <title>Dan Scott reviewed Beginning Python</title>
13
       <summary>Dan Scott reviewed Beginning Python</summary>
14
       <content type="text/html">This &lt;b&qt;rocks&lt;/b&qt;</content>
15
       <id>tag:localhost,2010-10-10:/opac/social/create/review/2</id>
       <activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
16
       <activity:object>
17
         <activity:object-type>http://activitystrea.ms/schema/1.0/review</activity:object-type>
         <id>tag:localhost,2010-10-10:/opac/social/review/2</id>
19
         <content type="text/html">This &lt;b&at;rocks&lt;/b&at;</content>
20
         <link rel="alternate" type="text/html" href="http://localhost/opac/social/review/2"/>
21
         <title/>
       </activity:object>
22
       <activity:target>
23
         <activity:object-type>http://activitystrea.ms/schema/1.0/list</activity:object-type>
24
         <id>tag: localhost, 2010-10-10:/opac/social/thing/2</id>
25
         <title>Beginning Python</title>
26
       </activity:target>
       <author>
27
         <name>Dan Scott</name>
28
         <email>foo@example.com</email>
29
       </author>
    </entry>
```

Activity Stream feed

```
1 <?xml version="1.0"?>
   <feed xmlns="http://www.w3.org/2005/Atom"
       xmlns:activity="http://activitystrea.ms/spec/1.0/"
       xmlns:poco="http://portablecontacts.net/spec/1.0">
     <id>tag:localhost,2010-10-10:/opac/social/user/2.atom</id>
     <updated>2010-10-10T14:03:41Z</updated>
     <link rel="alternate" type="text/html"</pre>
       href="http://localhost/opac/social/user/2"/>
     <link rel="self" type="application/atom+xml"</pre>
       href="http://localhost/opac/social/user/2.atom"/>
 8
     <title>Personal activity stream for Dan Scott</title>
 9
     <poco:displayName>Dan Scott/poco:displayName>
10
     <author>
11
       <name>Dan Scott</name>
       <email>foo@example.com</email>
12
     </author>
13
     <poco:preferredUsername>dan</poco:preferredUsername>
```

Activity Stream entry

VERB <entry> <title>Dan Scott reviewed Beginning Python</title> <summary>Dan Scott reviewed Beginning Python</summary> <content type="text/html">This <b&qt;rocks=:(/b&qt;</content>) <id>tag:localhost.2010-10-10:/opac/social/create/review/2</id> **OBJECT** <activity:verb>post</activity:verb> <activity:object> <activity:object-type>review</activity:object-type> <id>tag:localhost,2010-10-10:/opac/social/review/2</id> <content type="text/html">This rocks</content> <link rel="alternate" type="text/html" href="http://localhost/opac/social/review/2"/> <title/> 10 </activity:object> 11 <activity:target> **TARGET** <activity:object-type>article</activity:object-type> 12 <id>tag:localhost.2010-10-10:/opac/social/thing/2</id> 13 <title>Beginning Python</title> 14 </activity:target> 15 <published>2010-10-06T23:53:12Z</published> <updated>2010-10-06T23:53:12Z</updated> 16 <poco:displayName>Dan Scott/poco:displayName> 17 <author> 18 **ACTOR** <name>Dan Scott</name> 19 <email>foo@example.com</email> </author> 20 <poco:preferredUsername>dan</poco:preferredUsername> </entry>

You promised us location!

- Yep, it's simple. GeoRSS-Simple, in fact.
 - 1.Add the GeoRSS-Simple namespace to your Activity Stream
 - 2. Capture the actor's location using the browser Geolocation API
 - 3. Use the <georss:point> element to encode the latitude & longitude of the location for the author, object, and target (if available / where applicable)
- GeoRSS: http://www.georss.org/simple
- Geolocation API: http://dev.w3.org/geo/api/

Okay. So what? (for users)

- Add your library account to the social graph using the XHTML Friends Network (XFN) microformat:
 - 1. Embed one link rel="me" href="my_account" /> link from your library account page to each other account you want to link up
 - 2.Embed a reciprocal link rel="me" href="lib_account" /> from each account to your library account page
- XFN: http://gmpg.org/xfn

Don't make your users do this...

Conversation



robconnolly Anyone know haw to setup this #xfn thing to get !buzz to accept posts from !identica??

about 8 months ago from web at Auckland, Auckland, New Zealand









rpcutts @robconnolly From what I can tell it needs markup adding to the atom feed. about 8 months ago from Gravity at Lija, Republic of Malta



vineet @robconnolly Just set your identi.ca homepage URL to your google profile. Next time Google crawls your identi.ca page, it will start working about 8 months ago from web at Chelsea, New York City, New York,

United States







Salmon swim upstream to spawn

- Syndication and aggregation have lead to fragmented conversations
- Salmon is a protocol for enabling comments to find their way back to the source (and spawn more conversation)
- Involves Link-based Resource Descriptor
 Discovery (LRDD), Extensible Resource
 Description (XRD), and WebFinger, along with
 OAuth
 - ETOOMANYACRONYMS

Representing library activities

- Activity Streams standardization process focuses on encoding existing practices
 - Ergo, focus has been on the electronic
 - "borrowing" activity and book / journal / many other objects do not exist
 - **Tag** activity is reserved for "tag people in a photo"
 - Review object includes rating, no separate rating object
- But there are not many existing practices to encode...

Maybe Google Books?

Web Images Videos Maps News Shopping Gmail more ▼

denials@gmail.com | My library | My Account | Sign out



Search Books

Advanced Book Search

The Girl Who Kicked the Hornet's Nest By Stieg Larsson



791 Reviews
Write review
About this book

Add to My Library ▼

Get this book

Amazon.com

Barnes&Noble.com

Books-A-Million

<u>Borders</u>

Find in a library

All sellers »

Published by Alfred A. Knopf. Copyright.

Results 1-10 of 777

loved it.

User Review **** - svillegas - Borders - not usually into thrillers or mystery, but these books draw me in Read full review

Another great book in the series!

User Review ★★★★★ - Deborah Bahnatka "debs1202" - Amazon.com -

The book was excellent and it was in my hands in no time at all! Quick shipment - perfect transaction. Read full review

Perfect

User Review ★★★★★ - jovigirl214 - Amazon.com -

The book was in perfect condition. It arrived in a timely manner even though I had it shipped to an old address. It was forwarded with no problem. Perfect experience. Read full review

Not as good as the previous two

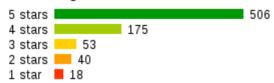
User Review ★★★★★ - Jessica Goette - Amazon.com -

If you have read the first two books of the millenium trilogy, then you HAVE to read this book. The ending is what makes it worth while but the rest of the book DRAAAAGS. I won't say I was ... Read full review

The Girl who Kicked the Hornet's Nest

User Review ★★★★★ - Rosemary Seiler - Amazon.com - Outstanding series, this being the last book of the trilogy.

User ratings



Show reviews by rating

5 stars - 496 4 stars - 173 3 stars - 51 2 stars - 39 1 star - 18 Unrated - 2 All reviews - 779

Show reviews by type

Editorial reviews - 2 User reviews - 777 All reviews - 779

Show reviews by source

Amazon.com · 769 BookJetty · 1 Bookreporter.com · 1 Borders · 7 All reviews · 779

Socializing Evergreen

Starting point:

- Unwieldy URLs (but at least they're persistent)
- Unhealthy dependence on JavaScript current smartphones can use the OPAC, but it's painful
- Atom feeds that won't validate multiple <id>elements in a single <entry> and other sins
- Lacking basic social(ly redeeming) features:
 - Create reviews, ratings, tags/labels
 - Expose your brilliance
 - Follow other users with exceptional taste

About dan

Personal

Name Dan Scott

Email foo@example.com **Home library** Example Branch 1

Circulation history

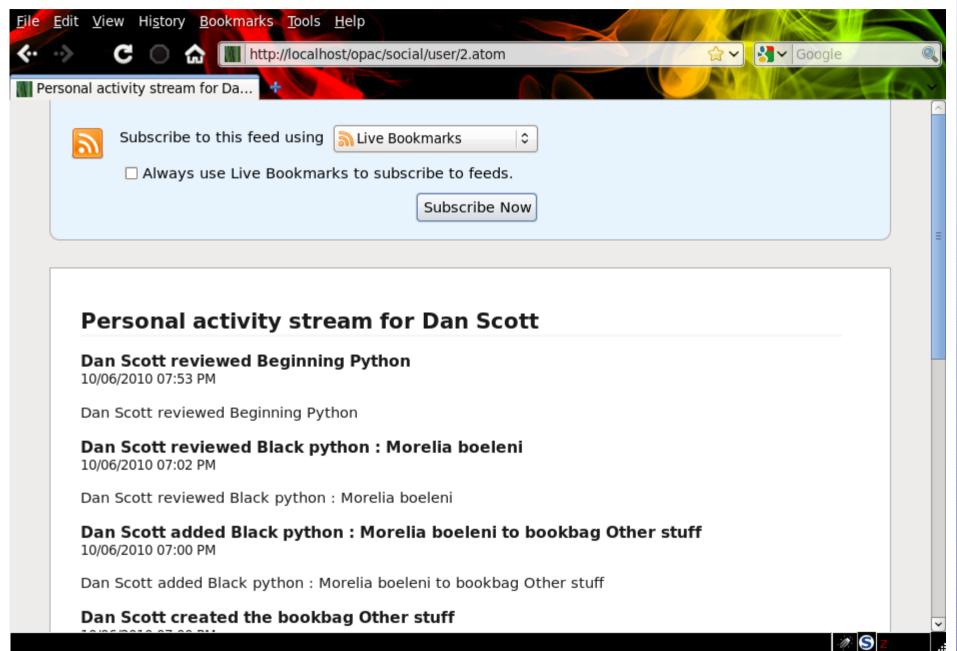
Cover	Title	Author	Date returned
Python	Beginning Python	Norton, Peter	2010-10-06
A	Black python : Morelia boeleni		2010-10-06

Lists

Reviews written by this user

Cover	Title	Author	Review
Python	Beginning Python	Norton, Peter	This rocks
2	Black python : Morelia boeleni		This rocks

Feed viewer in Firefox



Socializing Evergreen

- Emerging:
 - Clean URLs for user presence and item feeds
 - Plain old HTML
 - Data models for common social features
 - Valid Atom feeds with Activity Stream extensions
- Still lots of work to do (UI, configuration, testing)

 – but might be ready by Evergreen 2.1 (Spring 2011)

A possible way forward

- Simple social data aggregation:
 - 1. Implement Activity Streams for social data.
 - 2. Find feeds for your items.
 - 3. Crawl feeds and aggregate social data.
- But wait... how do we hook up our things?
 - Everybody uses accession numbers for ID.
 - Messy. Not my mess.
 - Uhh, I mean, "great research opportunity!"

Questions