

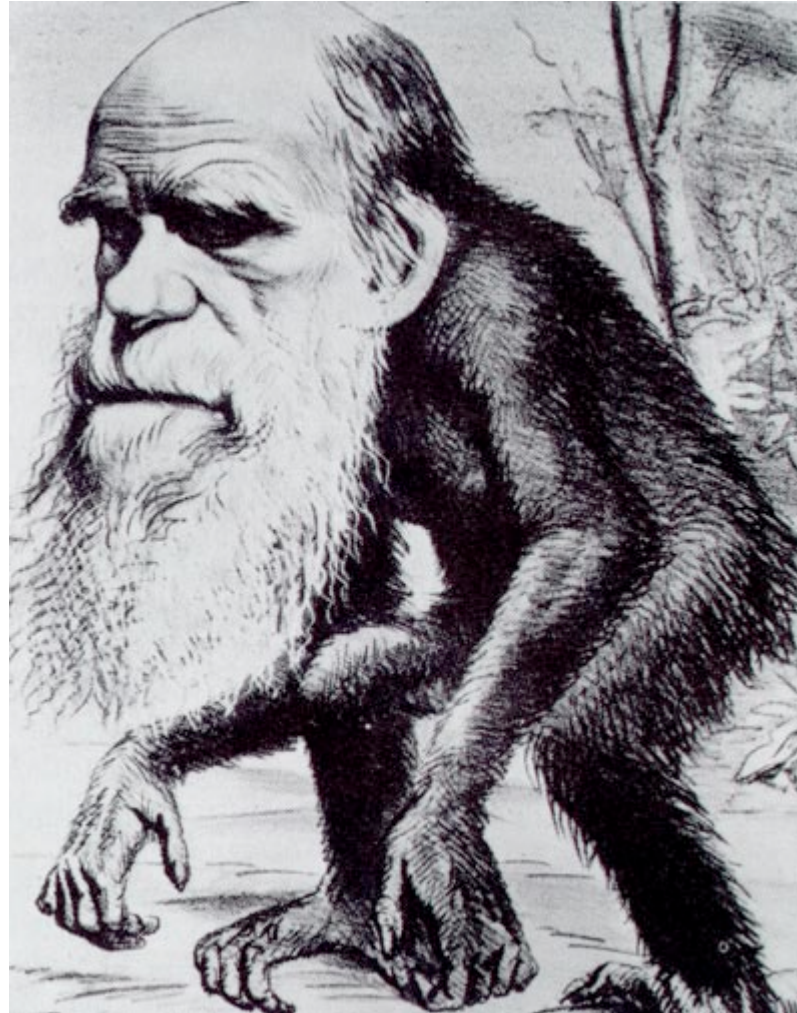


Why the Semantic Web matters

Paul Miller

Technology Evangelist, Talis

paul.miller@talis.com



Charles Darwin as an ape, 1871 Credit: Hornet magazine (image from Wikimedia Commons)



shared innovation





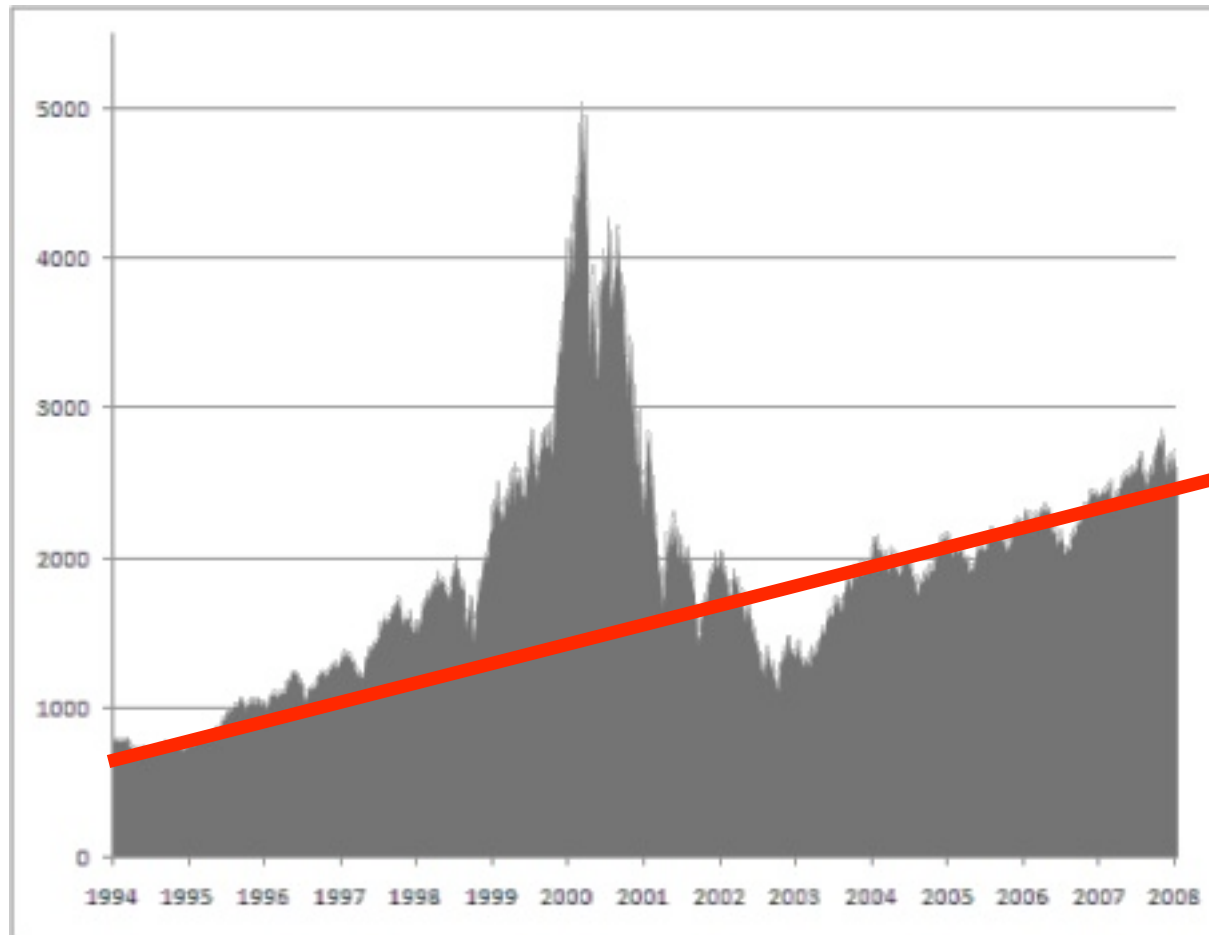


Chart of NASDAQ closing values, 1994-2008

Aggregators Folksonomy Wikis User Centered Joy of Use
Blogs Participation Six Degrees Usability Widgets
Pagerank XFN Recommendation Social Software FOAF Browser
Videocasting Podcasting Sharing Collaboration Perpetual Beta Simplicity AJAX
Audio IM Video Design
Convergence CSS Pay Per Click
UMTS Mobility Atom XHTML SVG Ruby on Rails VC Trust Affiliation
OpenAPIs RSS Semantic Web Standards SEO Economy
OpenID Remixability REST Standardization The Long Tail
DataDriven Accessibility Microformats Syndication XML
Modularity SOAP



“Web 2.0 is the business revolution in the computer industry caused by the move to the Internet as platform...

...and an attempt
to understand the rules for success on that new platform.”

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http://www.loc.gov/rr/print/flickr_pilot.html

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The Library of Congress >> Especially for Researchers >> Research Centers



Prints & Photographs Reading Room

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Library of Congress Photos on Flickr



Offering historical photograph collections through Flickr gives the Library of Congress a welcome opportunity to share some of our most popular images with a new visual community.

We invite you to tag and comment on the photos, and we also welcome identifying information—many of these old photos came to us with scanty descriptions!



To view the photos on Flickr, go to: http://www.flickr.com/photos/Library_of_Congress. You do not need a Flickr account to view the images; you would need to sign up for a free account to add comments or tags.

We are offering two sets of digitized photos: the 1,600 color images from the Farm Security Administration/Office of War Information and 1,500+ images from the George Grantham Bain News Service. Why these photos? They have long been popular with visitors to the Library; they have no known restrictions on publication or distribution, and they have high resolution scans. We look forward to learning what kinds of tags and comments these images inspire.



Done







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Linked Data

- “Use URIs as ‘names’ for ‘things’
- Use HTTP URIs so that people can look up those ‘names’
- When someone looks up a URI, provide useful information
- Include links to other URIs, so that they can discover more things”

Nodalities

THE MAGAZINE OF THE SEMANTIC WEB

www.talis.com/nodalities

April 2008

INSIDE

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Tom Heath looks at the importance of Linked Data, and outlines key issues for discussion in Beijing.

4 THE VALUE OF WEB 3.0

Mills Davis of Project10X asks how Web 3.0 differs from the previous phases of the Web.

6 PODCAST ROUNDUP

News of the latest Semantic Web podcasts from Talis.

7 TALIS ENGAGE

Nadeem Shabir reports on development work that delivered a commercially viable enterprise application with the help of the Talis Platform.

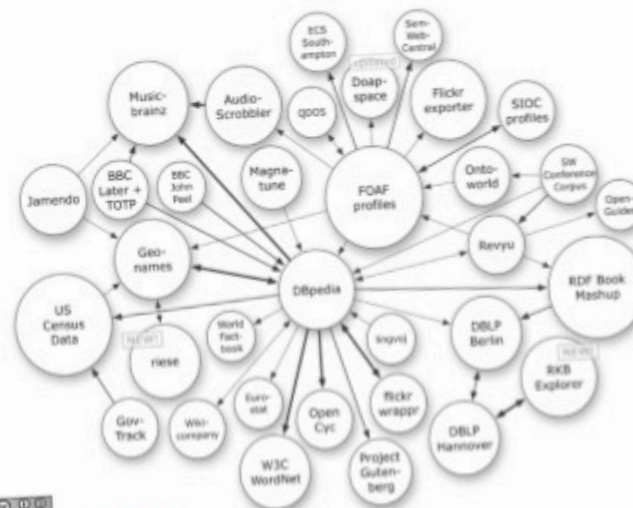
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The full transcript of this recent interview with the Father of the Web.

19 THE SEMANTIC WEB GANG

Experienced Semantic Web

Looking ahead to Linked Data on the Web



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Image provided by Richard Cyganiak




Ahead of the Linked Data on the Web workshop at this year's World Wide Web Conference in Beijing, Tom Heath introduces the concept of Linked Data and outlines some of the key issues that workshop participants will be discussing.

related data sources. To understand the value of this proposition, imagine a traditional Web site with no incoming or outgoing links. How much value would such a Web site generate for its owner, compared to another that was identical in content but richly connected with the Web at large?




“Linked Open Data is the Web done as it should be.”

Nodalities » Blog Archive » Kingsley Idehen talks about OpenLink Software, Linked Data and the Semantic Web

http://blogs.talis.com/nodalities/2008/05/kingsley-idehen-   hen nodalities

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Kingsley Idehen talks about OpenLink Software, Linked Data and the Semantic Web


15th May 2008, 03:46 pm by [Paul Miller](#) In: [Executive Briefing](#), [Podcast](#) | [Edit](#)

In our latest podcast I talk with [Kingsley Idehen](#), President and CEO of [OpenLink Software](#). We discuss OpenLink's approach, and the role that semantic technologies play in this, before turning to a broader discussion of Linked Data; a movement with which Kingsley has been closely involved.



Standard Podcast: [Hide Player](#) | [Play in Popup](#) | [Download \(123\)](#)



Done



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15



19,808




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Chris Clarke, Talis - Building a Scholarly Web of Data on Vimeo

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Library of Congress Subject Headings

This is an experimental service that makes the [Library of Congress Subject Headings](#) available as [linked-data](#) using the [SKOS](#) vocabulary. The goal of [lcsch.info](#) is to encourage experimentation and use of LCSH on the web with the hopes of informing a similar effort at the Library of Congress to make a continually updated version available. More information about the Linked Data effort can be found on the [W3C Wiki](#).

Following the principles laid out in [Cool URIs for the Semantic Web](#) you can reference LCSH concepts using a URI that contains the Library of Congress Control Number for the authority record: [http://lcsch.info/{lccn}#concept](#). The server uses [content negotiation](#) to determine what representation of the concept to send: [application/rdf+xml](#), [text/n3](#), [application/json](#), and otherwise [application/xhtml+xml](#).

You can download the [entire dataset](#) (2,441,494 triples), [search](#) across the concept scheme, or try out the [SPARQL endpoint](#). Otherwise, here are a couple high level concepts, a couple fun concepts, and links to some linked data viewers to get you (or your bot) started on your travels:

Concept	Concept URI	Linked Data Viewers
Science	http://lcsch.info/sh85118553#concept	OpenLink Disco Zitgist
Humanities	http://lcsch.info/sh85062913#concept	OpenLink Disco Zitgist
Mathematics	http://lcsch.info/sh85082139#concept	OpenLink Disco Zitgist
Cataloging	http://lcsch.info/sh85020816#concept	OpenLink Disco Zitgist
World Wide Web	http://lcsch.info/sh95000541#concept	OpenLink Disco Zitgist

The code used to convert [MARCXML](#) authority data to RDF, and provide this web service is available at [http://inkdroid.org/bzr/lcsch](#) using [Bazaar](#). Questions, comments, criticisms to [ehs](#) at [pobox dot com](#)

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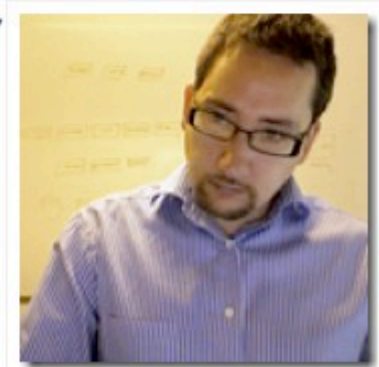
Semantic Future for Libraries – Martin Malmsten Talks with Talis

19th August 2008, 10:37 am by [Richard Wallis](#) In: [Libraries](#), [Podcast](#), [RDF](#), [Semantic Web](#), [Web 3.0](#) | [Edit](#)

Martin Malmsten is from the LIBRIS department of the Royal Library of Sweden – LIBRIS being the discovery interface for the library.

Since joining as a software developer has been absorbed in to the world of library search and discovery. He played a major part in the build and launch of the latest LIBRIS search interface which has introduced under the surface some Semantic Web and Linked Data features.

We discuss his career, the use of User Centered Design & Iterative Development methodologies, the Semantic Web techniques and technologies he used, and their future



Semantic MARC.

or, How Charles Ammi Cutter was using RDF in 1867

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<http://events.linkedata.org/ldow2008/>

Rob Styles & Nadeem Shabir

Open Data Commons

Legal solutions for data

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Science Commons opinion piece on free and open data

April 24th, 2008 by Jordan
Respond

Thinh Nguyen, Counsel for Science Commons, has posted a piece on free and open data to the Science Commons site. In it, he references our work on the Public Domain Dedication and Licence.

Freedom to Research: Keeping Scientific Data Open, Accessible, and Interoperable [PDF]

Science Commons blog post announcement: Nguyen on keeping data open and free.

Tags:

1 Comment

State of the Map | 12-13 July | Limerick, Ireland

April 18th, 2008 by Jordan
Respond

Just a quick note to say that I'll be speaking on open data, law, and licensing at State of the Map on 12-13 July in Limerick, Ireland. State of the Map is the annual conference for Open Street Map.

Registration is now open.

Tags:

No Comments.

PDDL new text available

March 15th, 2008 by Jordan
Respond

Public Domain Dedication and Licence v.1.0

The new materials are up! The first draft has been archived and links to the original text will be posted. I've just updated the page that the PDDL was originally on. The Community Norms statement was not updated.

CHANGELOG - PDDL

Added various text in the preamble in order to clarify it a bit.

Deleted "Database Directive" definition and incorporated it into "Database Right" definition as was only

Open Data

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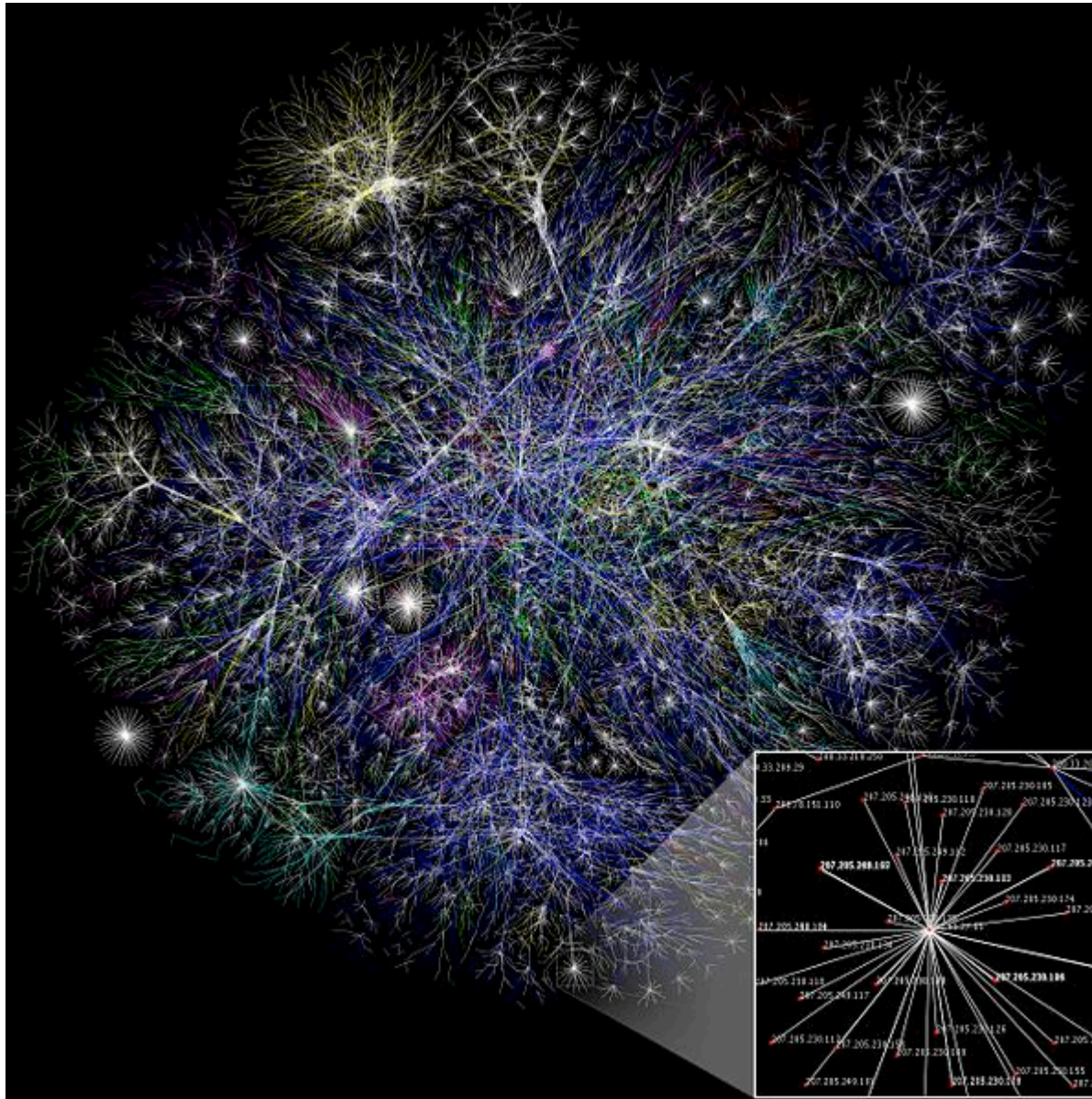
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Internet Inside?

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Conclusions



- The Semantic Web...
 - Facilitates connections between data silos
 - Unlocks value within expensively maintained data
 - Enables navigation through community-contributed enrichments
 - Lets us solve the **next** big problem.
- And **you** can do it, too.