WWIC?
linked library data
as a
customer service medium

@dchud - code4lib north - hamilton, on - 2011-05-06

Why Wasn't I Consulted?

aka 'WWIC' - by Paul Ford

WWIC ==
the web is for
sharing opinions

Linked Library Data

aka ‘LLD’

LLD ==
the web is for
sharing data

Linked Library Data

Why Wasn't the web is for sharing data

the web is for sharing opinions

Consulted?

WWIC => the web *isn't*

- a radio
- a tv
- a newspaper
- an encyclopedia
- a librarian

WWIC => the web *is*

a way
to
share
opinions and expertise

github
SOCIAL CODING
stackoverflow
Quora
MetaFilter
community weblog
thoughtful platforms
for
opinions and expertise

if you're building
a website,
ask yourself

“How can people
use it
to share
their
opinions and expertise
about my stuff?”

WWIC

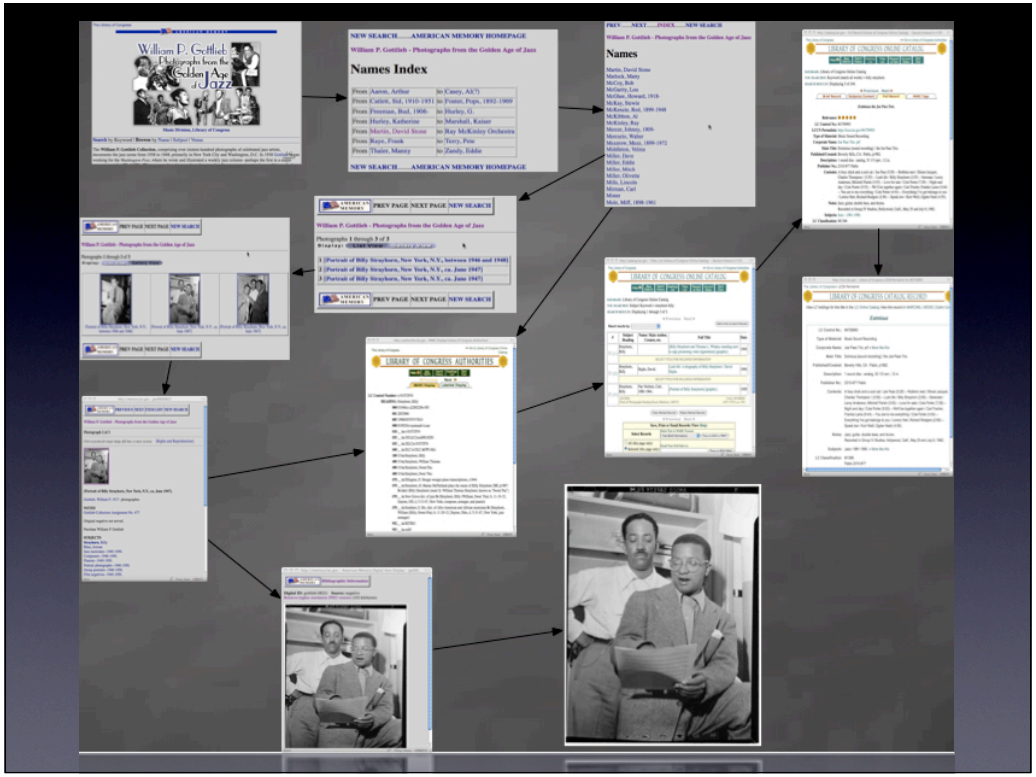
http://www.ftrain.com/wwic.html

LLD
linked library data

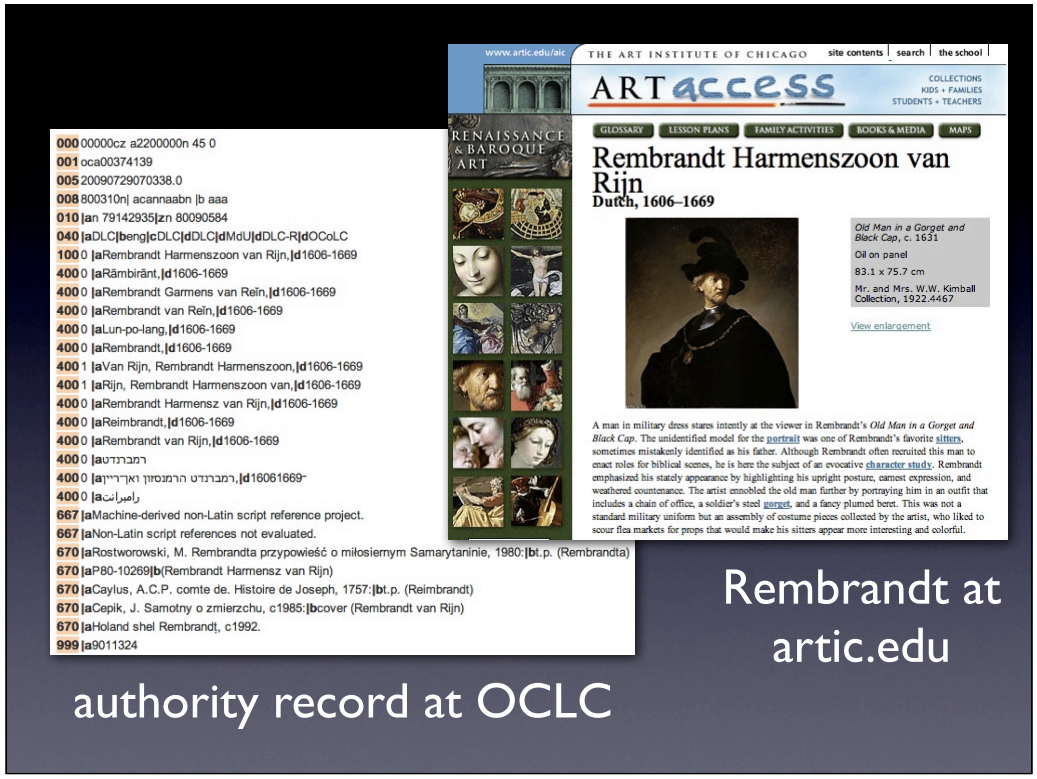
use URIs as names for things
use HTTP URIs
provide useful information
include links to other URIs

http://www.w3.org/DesignIssues/LinkedData.html

an example
of
what we used to build


William P. Gottlieb
Photographs from the Golden Age of Jazz
NEW SEARCH.....AMERICAN MEMORY HOMEPAGE
William P. Gottlieb - Photographs from the Golden Age of Jazz
Names Index
From Aaron, Arthur
to Casey, Al(?)
From Catlett, Sid, 1910-1951
to Foster, Pops, 1892-1969
From Freeman, Bud, 1906-
to Hurley, G.
From Hurley, Katherine
to Marshall, Kaiser
From Martin, David Stone
to Ray McKinley Orchestra
From Rays, Frank
to Terry, Pete
From Thaler, Manny
to Zandy, Eddie
NEW SEARCH.....AMERICAN MEMORY HOMEPAGE
PREV PAGE NEXT PAGE NEW SEARCH
William P. Gottlieb - Photographs from the Golden Age of Jazz
Photographs 1 through 3 of 3
1 [Portrait of Billy Strayhorn, New York, N.Y., between 1946 and 1948]
2 [Portrait of Billy Strayhorn, New York, N.Y., ca. June 1947]
3 [Portrait of Billy Strayhorn, New York, N.Y., ca. June 1947]
PREV PAGE NEXT PAGE NEW SEARCH
PREV PAGE NEXT PAGE NEW SEARCH
PREV PAGE NEXT PAGE NEW SEARCH
PREV PAGE NEXT PAGE NEW SEARCH
LIBRARY OF CONGRESS AUTHORITIES
LIBRARY OF CONGRESS ONLINE CATALOG
LIBRARY OF CONGRESS ONLINE CATALOG
LIBRARY OF CONGRESS CATALOG RECORD

an example
of
what we we build now



Here is a sample of how different cultural heritage institutions represent the famous artist Rembrandt on the web. The museum's page at right shows an example item by the artist with some description. The authority record at left shows a lot of useful information including identifiers and name form variations. These pages do not link to each other. In this case, I did not find them using Google.

linkypedia$_{\alpha}$

*linkypedia helps you **explore** how your web content is used on wikipedia, **extract** crowd-sourced information about your web resources, and **connect** with wikipedians who are using your stuff. More about the rationale for linkypedia can be found here.*

recently found: Stephen Glover (composer) referencing VIAF

London Gazette (149,552)

bioguide.congress.gov (21,761)

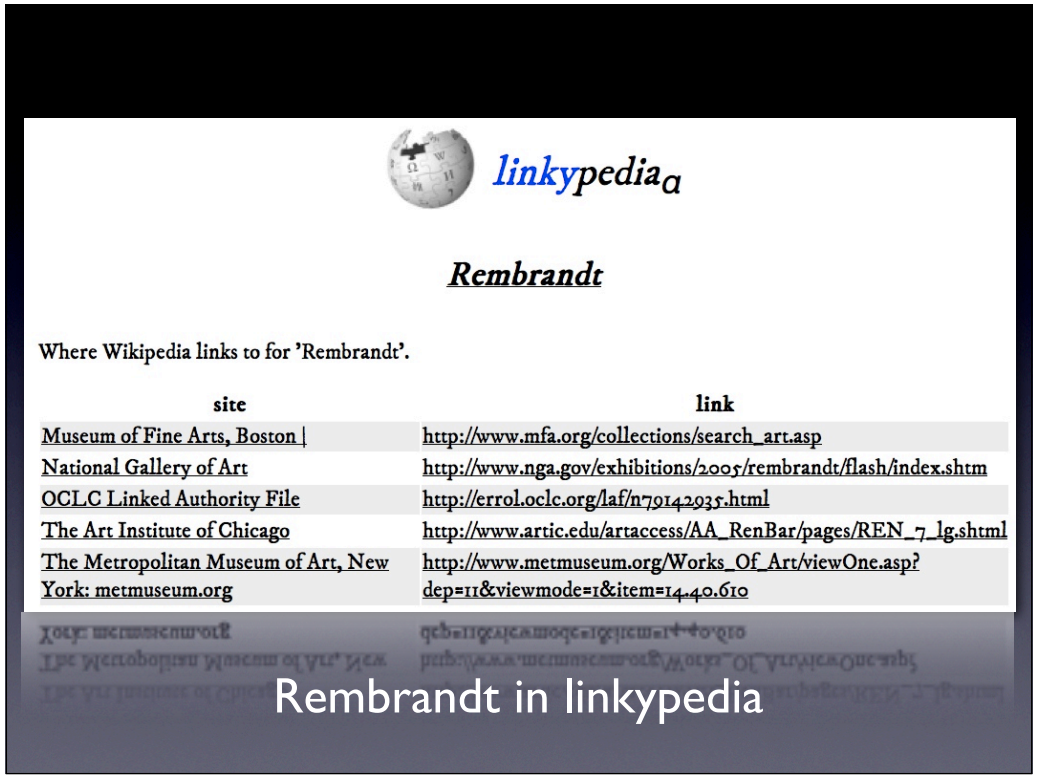
WorldCat.org: The World's Largest Library Catalog (18,836)

OCLC Research Linked Authority File (2.0) (15,608)

American Memory from the Library of Congress (9,713)

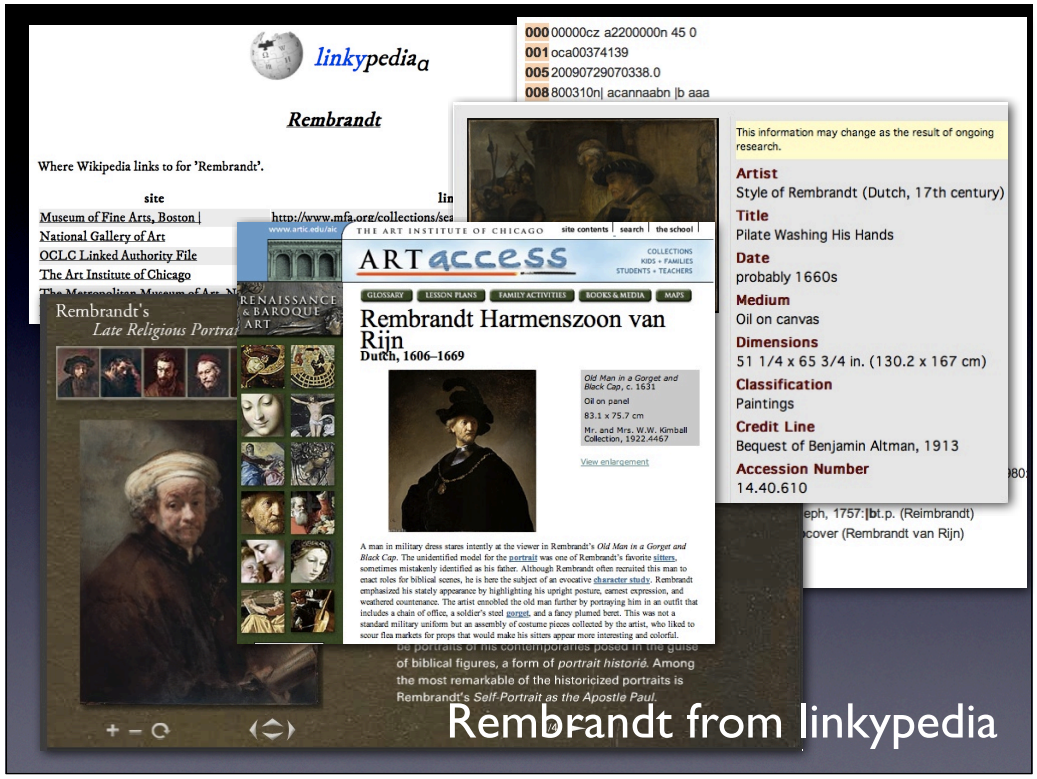
Australia Trove (4,256)

who's linking
to my stuff
in wikipedia?

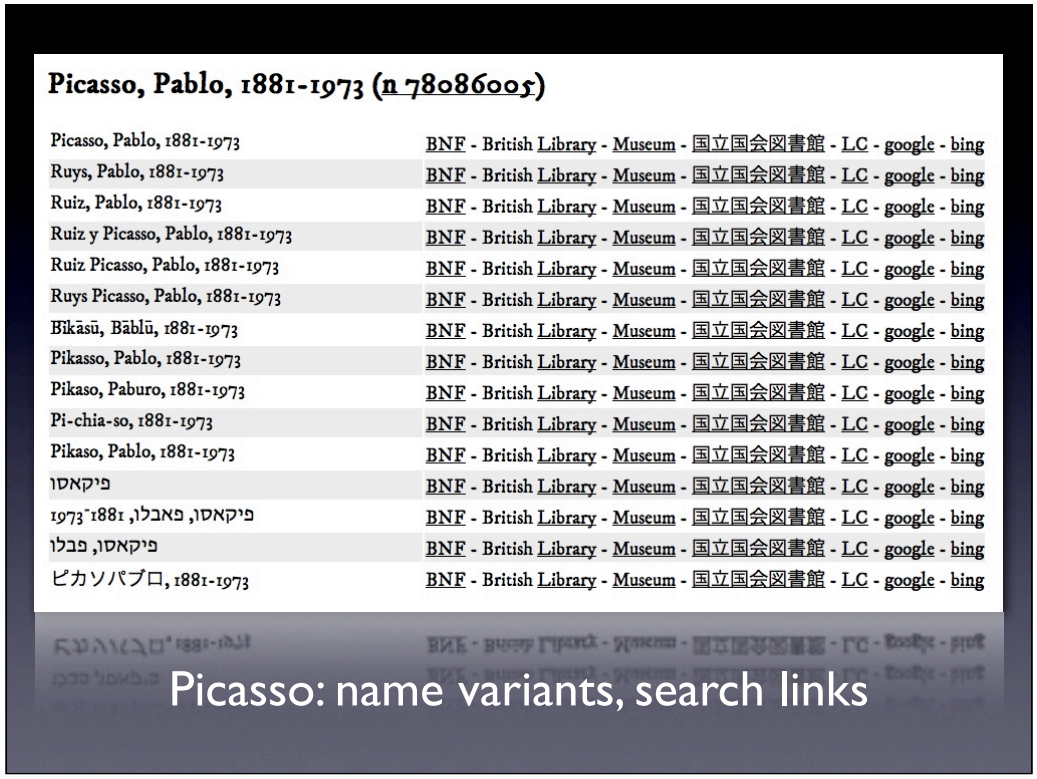


In this case, I found these two pages using linkypedia (リンキピディア).

linkypedia is a software project started by Ed Summers. To use linkypedia, you give it a list of sites you care about, like you library's website or a museum website, and it crawls Wikipedia to find links from article pages to your sites. In this case I gave linkypedia a list of libraries and museums I have visited. It found several museum sites' pages linked to from the Wikipedia page for "Rembrandt". It also found a link to the name authority record for Rembrandt that is published by OCLC in its Linked Authority File online.



This image collage shows the different pages linked to from the linkypedia page. It starts with the linkypedia resource and the authority record from OCLC in the background, and has images from the New York Metropolitan Museum of Art, the Art Institute of Chicago, and the National Gallery of Art in Washington. It emphasizes how the links in linkypedia and wikipedia can bring together resources from disparate locations. But something's missing here. We can do more with our own library data.



I added this page to linkypedia to make more use of the name authority record. Here you see name variations from the authority record, a link to an LCCN search in Google, and links to search several famous cultural heritage institutions as well as general search engines.

This image collage shows a sample of the broader results we can find when following these links from the name forms. It includes pages from the Virtual International Authority File (VIAF), an Israeli museum site, and the NDL. Actually, the page added to linkypedia with name forms is partly similar in function to the VIAF page.

platform for
following your nose
to cool stuff

lovely, but

WWIC?

if we stop here
we're missing something

how can people
use this
to share
opinion and expertise
?

LLD
needs
feedback mechanisms

comments?
voting?
q&a?
edits?

i tried
edits
using version control

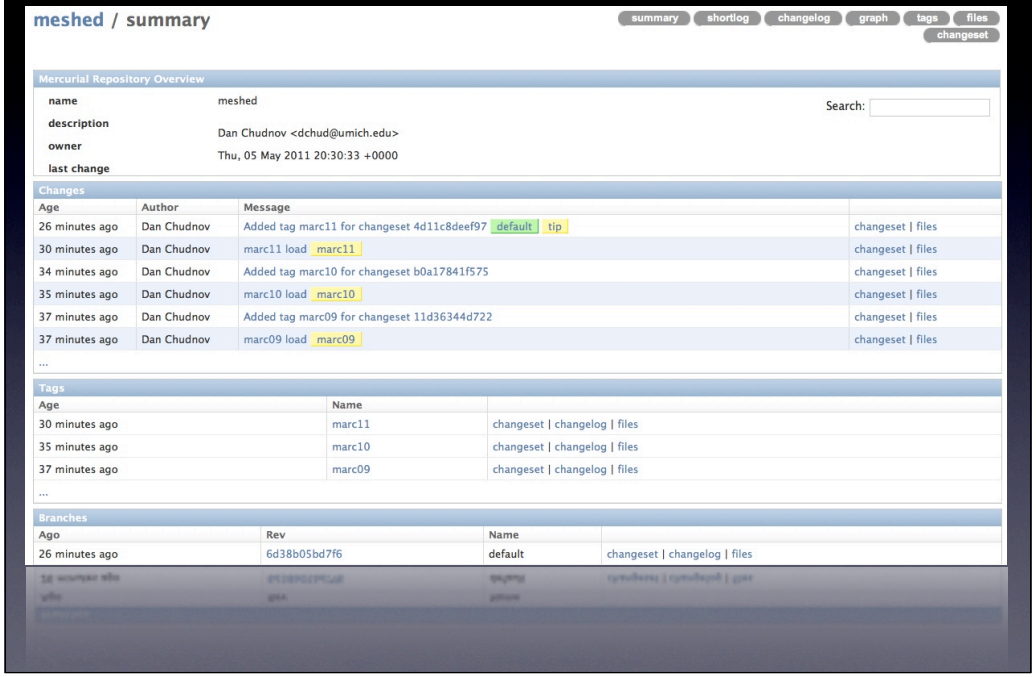
w/MeSH

MeSH Heading	Calcimycin
Tree Number	D03.438.221.173
Scope Note	An ionophorous, polyether antibiotic from Streptomyces chartreusensis. It binds and transports cations across membranes and uncouples oxidative phosphorylation while inhibiting ATPase of rat liver mitochondria. The substance is used mostly as a biochemical tool to study the role of divalent cations in various biological systems.
Entry Term	A-23187
Entry Term	A23187
Entry Term	Antibiotic A23187
Allowable Qualifiers	AA AD AE AG AI AN BI BL CF CH CL CS CT DU EC HI IM IP ME PD PK PO RE SD ST TO TU UR
Pharm. Action	Anti-Bacterial Agents
Pharm. Action	Ionophores
CAS Type 1 Name	4-Benzoxazolecarboxylic acid, 5-(methylamino)-2-((3,9,11-trimethyl-8-(1-methyl-2-oxo-2-(1H-pyrrol-2-yl)ethyl)-1,7-dioxaspiro(5.5)undec-2-yl)methyl)-, (6S-(6alpha(2S*,3S*),8beta(R*),9beta,11alpha))-
Registry Number	52665-69-7
Previous Indexing	Antibiotics (1973-1974)
Previous Indexing	Carboxylic Acids (1973-1974)
Online Note	use CALCIMYCIN to search A 23187 1975-90
History Note	91(75); was A 23187 1975-90 (see under ANTIBIOTICS 1975-83)
Date of Entry	19741119
Unique ID	D000001

MeSH Browser

static
up-to-date
opaque URIs
read-only

3 years of MeSH history as version-control-backed LLD



meshed / summary

summary | shortlog | changelog | graph | tags | files | changeset

Mercurial Repository Overview

name	meshed
description	
owner	Dan Chudnov <dchud@umich.edu>
last change	Thu, 05 May 2011 20:30:33 +0000

Search:

Changes

Age	Author	Message	
26 minutes ago	Dan Chudnov	Added tag marc11 for changeset 4d11c8deef97 default tip	changeset | files
30 minutes ago	Dan Chudnov	marc11 load marc11	changeset | files
34 minutes ago	Dan Chudnov	Added tag marc10 for changeset b0a17841f575	changeset | files
35 minutes ago	Dan Chudnov	marc10 load marc10	changeset | files
37 minutes ago	Dan Chudnov	Added tag marc09 for changeset 11d36344d722	changeset | files
37 minutes ago	Dan Chudnov	marc09 load marc09	changeset | files

...

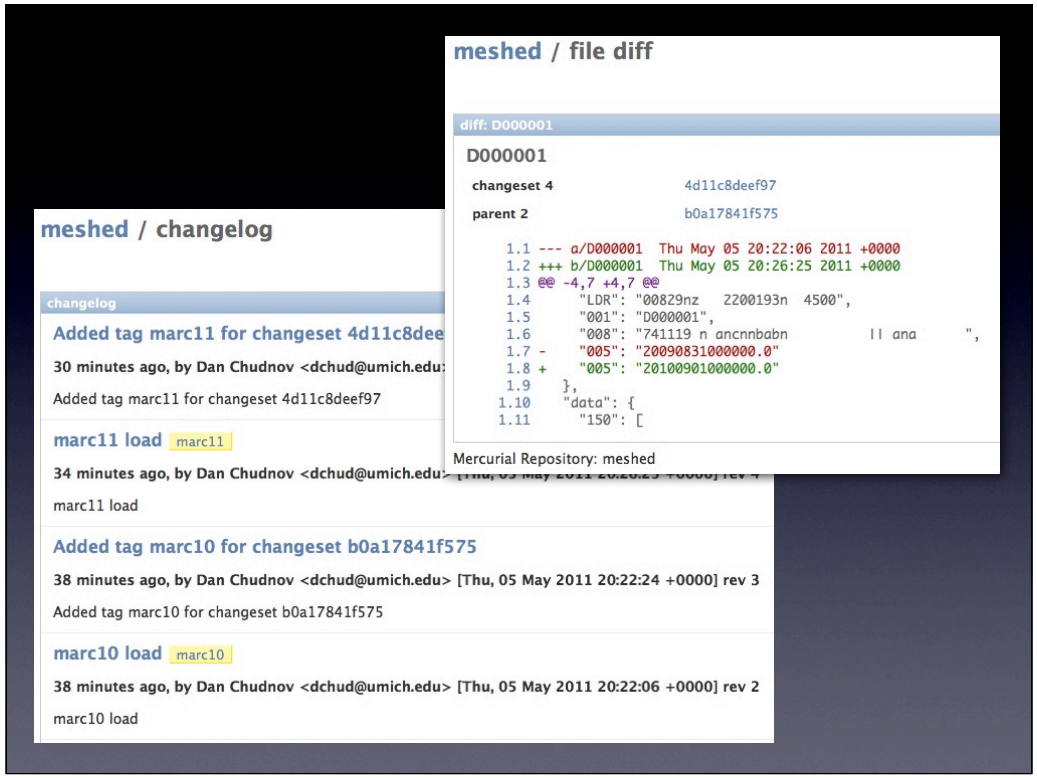
Tags

Age	Name	
30 minutes ago	marc11	changeset | changelog | files
35 minutes ago	marc10	changeset | changelog | files
37 minutes ago	marc09	changeset | changelog | files

...

Branches

Ago	Rev	Name	
26 minutes ago	6d38b05bd7f6	default	changeset | changelog | files

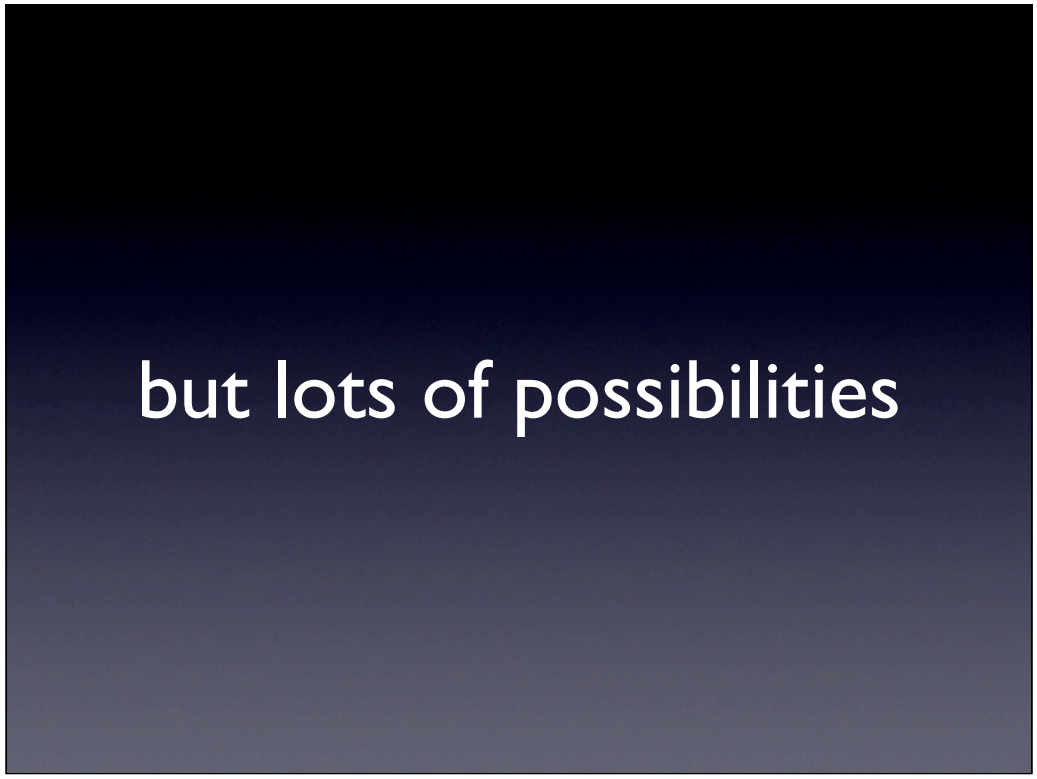

meshed / file diff
diff: D000001
D000001
changeset 4 4d11c8deef97
parent 2 b0a17841f575
1.1 --- a/D000001 Thu May 05 20:22:06 2011 +0000
1.2 +++ b/D000001 Thu May 05 20:26:25 2011 +0000
1.3 @@ -4,7 +4,7 @@
1.4 "LDR": "00829nz 2200193n 4500",
1.5 "001": "D000001",
1.6 "008": "741119 n ancnnbabn ll ana ",
1.7 - "005": "20090831000000.0"
1.8 + "005": "20100901000000.0"
1.9 },
1.10 "data": {
1.11 "150": [
Mercurial Repository: meshed
meshed / changelog
changelog
Added tag marc11 for changeset 4d11c8dee
30 minutes ago, by Dan Chudnov <dchud@umich.edu
Added tag marc11 for changeset 4d11c8deef97
marc11 load marc11
34 minutes ago, by Dan Chudnov <dchud@umich.edu
marc11 load
Added tag marc10 for changeset b0a17841f575
38 minutes ago, by Dan Chudnov <dchud@umich.edu> [Thu, 05 May 2011 20:22:24 +0000] rev 3
Added tag marc10 for changeset b0a17841f575
marc10 load marc10
38 minutes ago, by Dan Chudnov <dchud@umich.edu> [Thu, 05 May 2011 20:22:06 +0000] rev 2
marc10 load

dynamic
up-to-date, plus history
(mappably) cool URIs
read/write

cloneable
forkable
editable locally
pushable
mergable
etc.able

not all roses

uninteresting diffs
awkward file names
lots of files per dir
serialization issues


but lots of possibilities

anybody could
add
comments

anybody could
clone for
local use

anybody could
fork
and submit patches

but

who would
share
opinions and expertise?

who would
share
opinions and expertise?

same people as do now

Vegans!

well,
Vegans and catalogers.

we do this work now in
private,
proprietary
systems

take
back-room systems
and
put them on the web

or, at least, output from them

use URIs as names for things
use HTTP URIs
provide useful information
include links to other URIs

http://www.w3.org/DesignIssues/LinkedData.html

mix in
versioning,
commenting

Linked Library Data

Why Wasn't the web is for sharing data

the web is for sharing opinions

Consulted?

the web is for
sharing data
the web is for
sharing opinions
Linked Library Data
Why Wasn't I Consulted?

thanks!

@dchud