STATE OF THE HYDRASPHERE

Open Repositories 2013
Charlottetown, Prince Edward Island
July 11, 2013

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@tcramer
New Partners in the Last Year

• Boston Public Library
• Digital Curation Experts
• Duke
• Indiana
• London School of Economics
• Notre Dame
• Penn State
• Rock & Roll Hall of Fame
• Royal Library of Denmark
• Virginia Tech
• WGBH
• Yale
Users-But-Not-(Yet?)-Partners

- UCSD
- University of Oregon / Oregon State
- Digital Repository of Ireland
- Oxford
- Tufts
- Johns Hopkins University
- Museum of Performing Arts (MAE), Barcelona
Hydra Partners

OR09  OR10  OR11  OR12  OR13

OR = Open Repositories Conference
In a Nutshell, Project Hydra...

... has had 7,716 commits made by 62 contributors representing 60,904 lines of code.

... has a codebase with a long source history maintained by a very large development team with stable Y-O-Y commits.

... took an estimated 15 years of effort (COCOMO model) starting with its first commit in October, 2009 ending with its most recent commit 6 days ago.
Trending

Commits per Month

Contributors per Month
A Tale of Two Worlds

Stephen Jay Gould

Museum of Comparative Zoology

Harvard University

Cambridge, MA 02138

Christopher Wren, the leading architect of London’s reconstruction after the great fire of 1666, lies buried beneath the floor of his most famous building, St. Paul’s cathedral. No elaborate sarcophagus adorns the site. Instead, we find only the famous epitaph written by his son and now inscribed into the floor: a monument replete, commemorative – if you are searching for his monument, look around. A tall grandson perhaps, but I have never read a finer testimony to the central importance – one that perhaps even exemplifies – of actual places, rather than replicas, symbols, or other forms of vicarious resemblance.

An odd coincidence of professional life recently turned my thoughts to this most celebrated epitaph when, for the second time, I received an office in a spot laden with history, a place still redolent with ghosts of past events both central to our common culture and especially meaningful for my own life and choices.

In 1973, I spent an academic term as a visiting researcher at Oxford University. I received a corner of office space on the upper floor of the University Museum. As I set up my books, fossil snails and microscope, I noticed a metal plaque affixed to the wall, informing me that this reconfigured space of shelves and cabinets had, in original, the site of the most famous public confrontation in the early history of Darwinism. On this very spot, in 1860, just a few months after Darwin published the Origin of Species, T.H. Huxley had drawn his rhetorical sword, and soundly skewered the slick but superficial champion of creationism, Bishop "Stumpy Sam" Wilberforce.

(As with most legends, the official version ranks as mere bullshit before a much more complicated and multifaceted truth. Wilberforce and Huxley did put on a splendid, and largely spontaneous, show – but no clear victor emerged from the ocifice and Joseph Hooker. Darwin’s other champions, made a much more effective reply to the Bishop, however forgotten by history. See my essay on this debate, entitled "Knights take Bishop!" and published in an earlier volume of this series: daily for Bronxmania.)

I can’t claim that the lingering presence of these Victorian giants inspired my resolve or improved my work, but I loved the sense of continuity voucheded to me by this happy circumstance. I even treasured the etymology – for "circumstance" means "standing around" (KB)

dwi.bvals (770 Bytes) directions (in FSL format)

The diffusion gradient strength (in FSL format)
Point Solution Approach ...Welcome to Siloville

ETDs (Theses)  Books, Articles  Images  Audio-Visual  Research Data  Maps & GIS  Documents

ETD  IR  Image DB  DAM  ?  Geospatial Inf.  Records Mgmt.

Management  Access  Preservation?

Tailored?  Sustainable?
Repository-Powered Approach

ETDs (Theses) | Books, Articles | Images | Audio-Visual | Research Data | Maps & GIS | Documents

Digital Repository

Scalable, Robust, Shared Management and Preservation Services
One Body, Many Heads...

ETDs (Theses) Books, Articles Images Audio-Visual Research Maps & GIS Documents

Scalable, Robust, Shared Management and Preservation Services
Avalon & HydraDAM for Media

BPL Digital Commonwealth

Sufia

Digital Image Library
Current State of Hydra

• Doubled in size, thrice, since its founding
• Achieved all its original goals
• Entering a new phase
Three critical priorities

• Technical framework continue to advance to enable easy code sharing and reuse

• Community framework evolves to accommodate growth in...
  • Number of partners
  • Geographic range
  • Diversity of interests and capacity

• Create a full suite of solution bundles
Seven strategic priorities

1. Develop solution bundles
2. Develop turnkey applications
3. Grow the Hydra vendor ecosystem
4. Codify a scalable training framework to fuel community growth
5. Develop a documentation framework
6. Ensure the technical framework allows code sharing
7. Refresh and intensify the community ties
Solution Bundles

IR Head with DSpace
Equivalence by OR14
Training

Hydra Camps:
- October 2012 in PSU
- December 2012 in Yale
- April 2013 in Dublin, Ireland
- August 2013 in Charlottesville, VA
- Sept/October 2013 in Ohio
Documentation

- Consolidate
- Prune
Community Framework

- Users, Partners, Steering
- Meetings
Technical Framework

- Code Shredding & Gemification
- Hydra Gem = stable distro
First Ever Hydra Awards

- The Fleece Vest
- Most Danish Award
- Most Danish Award
The Fleece Vest
for the Partner demonstrating the greatest concern for practicality, with an iconoclastic flair

David Chandek-Stark!
Most Danish
for the Partner demonstrating the
most Danish temperament and traits,*
selected by a panel of experts.

Matt Zumwælt!

(*All Danes exempt from consideration.)
Most Danish
for the Partner demonstrating
the greatest Dan-ness

1. Dan “of the Dans” Coughlin
2. Dan Brubaker-Horst
3. D*n Brower
4. DeclAN Fleming