from singular repository to modular services

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A little history...

- First Mellon Fedora Project grant to Cornell and UVA; Fedora “alpha testbed” at UVA (2001)
- Fedora 1.0 public release, UVA instance (2003)
- Second Mellon grant (2004)
- Fedora 2.0 public release (2005)
- Fedora Commons funded by Moore Foundation; Blacklight at UVA (2007)
2008

Institutional repositories are good, we should have one at UVA.

• Adopt: DSpace | Digital Commons | Sakai | Greenstone | Eprints | iTunes U | CDSWare

• Extend: UVA Library Digital Collections Repository (Fedora)

• Build: locally-developed, custom application 📣

Meanwhile, in the Open Source Community...

• Project Hydra formed

• Fedora turns 10 (Fedora 3.0)
Open Access is good, we should have some at UVA.

- **MIT** Open Access Policy passes
- UVA Faculty Senate discusses OA

Meanwhile, in the Open Source Community...

- Fedora Commons + DSpace Foundation = DuraSpace
UVA Open Access “Resolution” rationale for “Libra” Institutional Repository

• We (and MediaShelf) built Libra as Hydra head on our existing Fedora structure

Meanwhile, in the community...
• “build your own Hydra head” was a thing
• Hydrangea came and went
2011

Libra begins taking deposits of
• Open scholarship
• “small data”
• Student scholarship (ETDs)

Meanwhile, in the community...
• ETDs were “low-hanging fruit” for open access
Libra now boasts

- Graduate theses and dissertations (ETDs) as a degree-granting requirement
- Not much faculty scholarship or open data
- A quickly aging codebase (and legacy Fedora) 🔔

Meanwhile, in the community...

- Fedora 4.0 public release
- “Hydramata” came and went
Repositories are getting better, UVA has now outgrown the single container model.  
• ETDs need a more stable UX  
• Data and Open need to attract self-deposit content 📣

Meanwhile, in the community...  
• Scholarsphere and NDCurate gain momentum  
• Fedora 4 adoption grows
2016

Libra repository goes modular
• LibraETD launches (Sufia)
• LibraData launches (Dataverse)
• Discovery via single Blacklight instance (Virgo)

Meanwhile, in the community...
• PSU’s Scholarsphere -> Sufia, NDCurate -> CurationConcerns
• Michigan’s Deep Blue Data launches on Sufia
• SSRN acquired by Elsevier
• Mellon funds Hydra-in-a-Box, open monographs
2017

Libra repository gets even more modular
• LibraOpen launches (Sufia)
• ORCID integration
• DOI generation

Meanwhile, in the community...
• NDCurate and Sufia merge: Hyrax
• Bepress alternatives sought, Hyku?
• Open publishing: Fulcrum, Luminos
2018

Scholarly Repository Services includes Open Publishing
• Ubiquity press is pilot module (overlay of OJS)
• Libra migrates to Hyrax

Meanwhile, in the community...
• Hydra became Samvera
• Hyrax and Hyku merge
• Cincinnati, Michigan, more -> Hyrax
Culture Shifts

• All-in-one repository -> modular, replaceable components under single search
• Epic/story model -> agile development
• Partners are “just altruistic enough” to keep with open source community while getting local benefits
• Management focus added to Hydra community (e.g. Repository Managers IG, “agile production”)
• Recognition of both costs & benefits of open source software and communities
Resources


