Hydra at 3031 (Partners)

Robust Repository Tooling through Community Collaboration

Mike Giarlo, Stanford University
Jon Stroop, Princeton University
High-Level Architecture

Plugins
- derivatives, editor, browse-everything, file-characterization [...]
Wall o’ Plugins

Hydra::Derivatives
Hydra::FileCharacterization
Hydra::Editor
QuestioningAuthority
BrowseEverything

IIIFManifest
ShareNotify
Hydra::Remoteldentifier
ORCiD
HyBag

...
2015-16 Advancements

Plugins
- derivatives, editor, browse-everything, file-characterization [...]

Hydra Applications

- hydra-head
- active_fedora
- blacklight
- Idp
- rsolr

Middleware

HTTP API
- Fedora 4
- Solr
Community Process
Community Data Model?
Shared Source Code

ActiveFedora

Fedora
A Shared Application

Shared Source Code
~2015
Sufia
CurationConcerns
Works
PCDM
ActiveFedora
LDP
Fedora (4)
Now What?
We’ve Built a lot of Stuff

- active_fedora
- browse-everything
- curation_concerns
- hydra
- hydra-derivatives
- hydra-editor
- hydra-file_characterization
- hydra-head
- hydra-jetty
- hydra-pcdm
- hydra-role-management
- hydra-works
- jettywrapper
- ldp
- om
- rubydora
- solrizer
- sufia

https://github.com/projecthydra/
...and There’s More Coming

- active_encode
- active_fedora-noid
- active_fedora_relsint
- book_concerns
- geo_concerns
- hybag
- hydra-admin-collections
- hydra-batch-edit
- hydra_controlled_vocabularies
- hydra-ldap
- hydra-pbcore
- hydra-remote_identifier
- hydra-shibboleth
- hydra-validations
- orcid
- questioning_authority
- share_notify
- solrizer-fedora

https://github.com/projecthydra-labs/
LD & IIIF (gem & spec)

(Your App Here)

LD & IIIF (gem & spec)

Browse Everything, Batch Editor, ...
Editor, NOID, Hydra-head, ...
Characterization, Derivatives

Sufia

CurationConcerns

Works

PCDM (spec & gem)

ActiveFedora

LDP (spec & gem)

Fedora (4)

Blacklight, rdf-vocab

active-triples
Lessons Learned

- Big group sprints are hard
  - Coordination becomes almost a full time job
  - Keeping track of issues / Maintaining Backlog
  - Making sure the right talent on the right tasks / teams
- Product owners are necessary
- Agility is key
- Modularity is ... modular