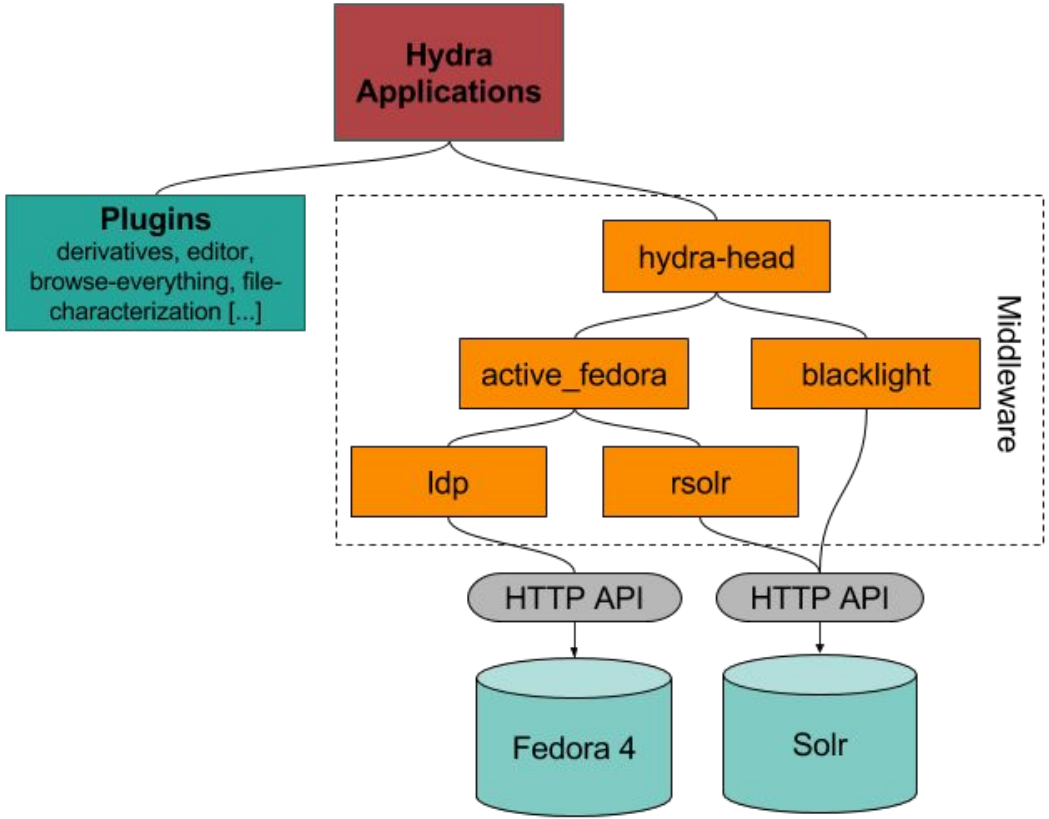
Hydra at ~~30~~31 (Partners)

Robust Repository Tooling
through Community Collaboration

Mike Giarlo, Stanford University
Jon Stroop, Princeton University

hydra

High-Level Architecture



Wall o’ Plugins

Hydra::Derivatives

Hydra::FileCharacterization

Hydra::Editor

QuestioningAuthority

BrowseEverything

...

IIIFManifest

ShareNotify

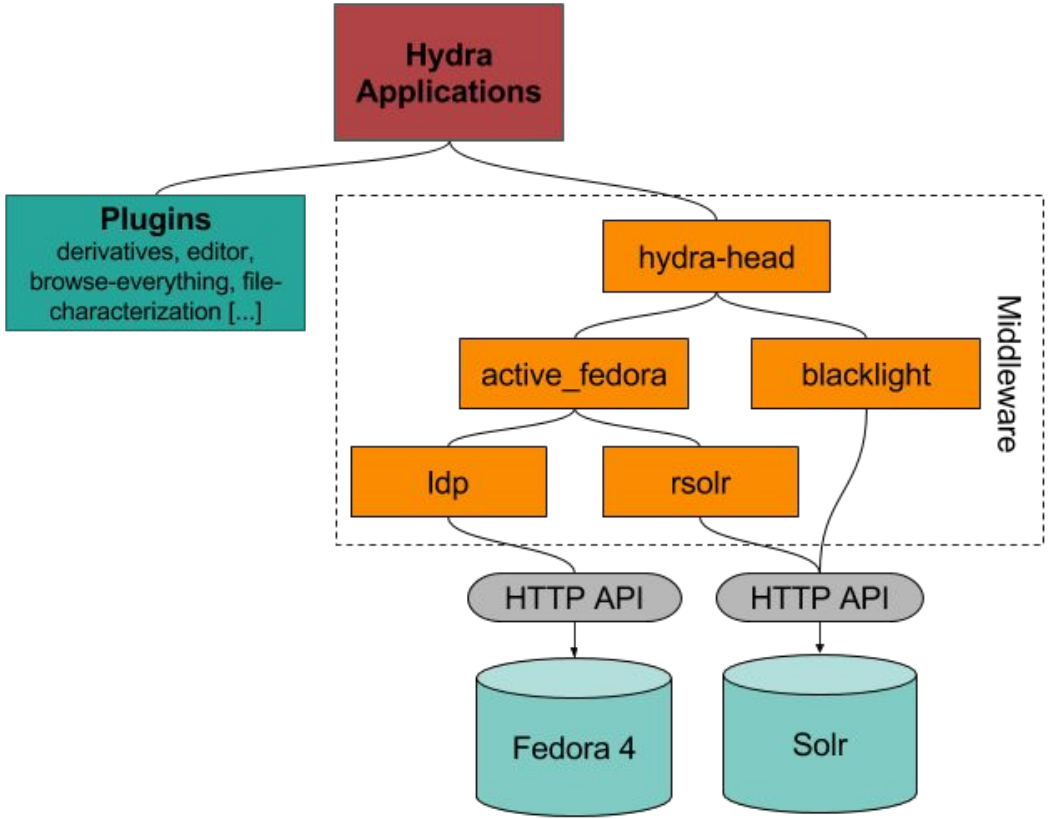
Hydra::RemoteIdentifier

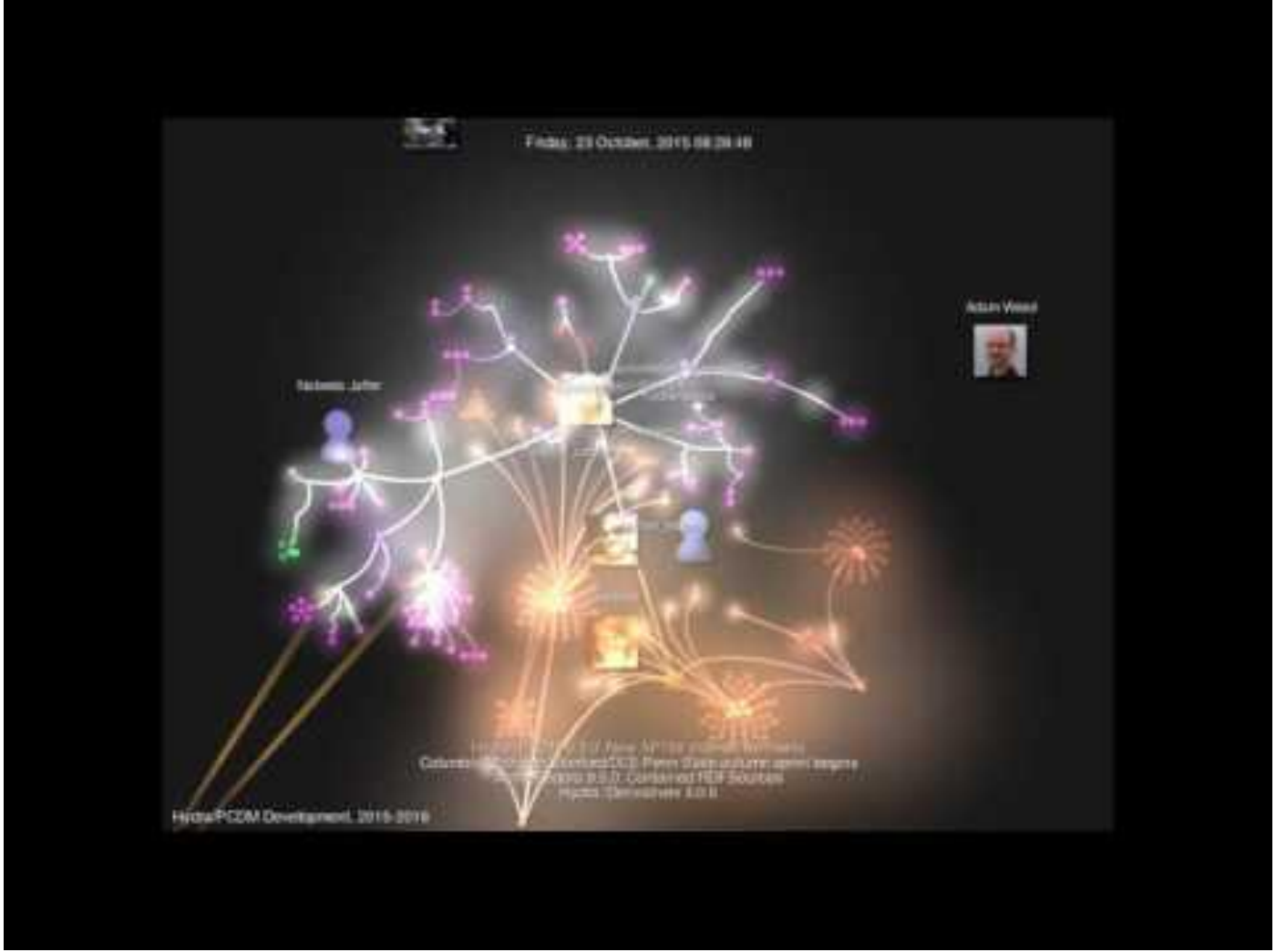
ORCiD

HyBag

...

2015-16 Advancements

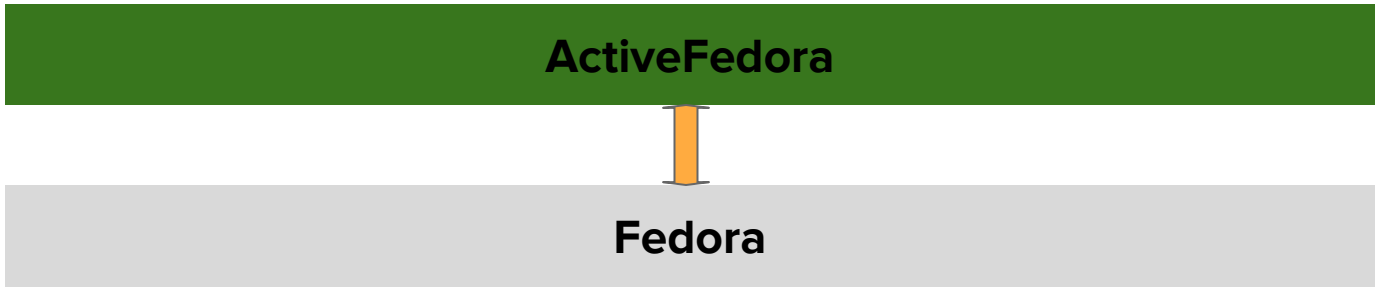


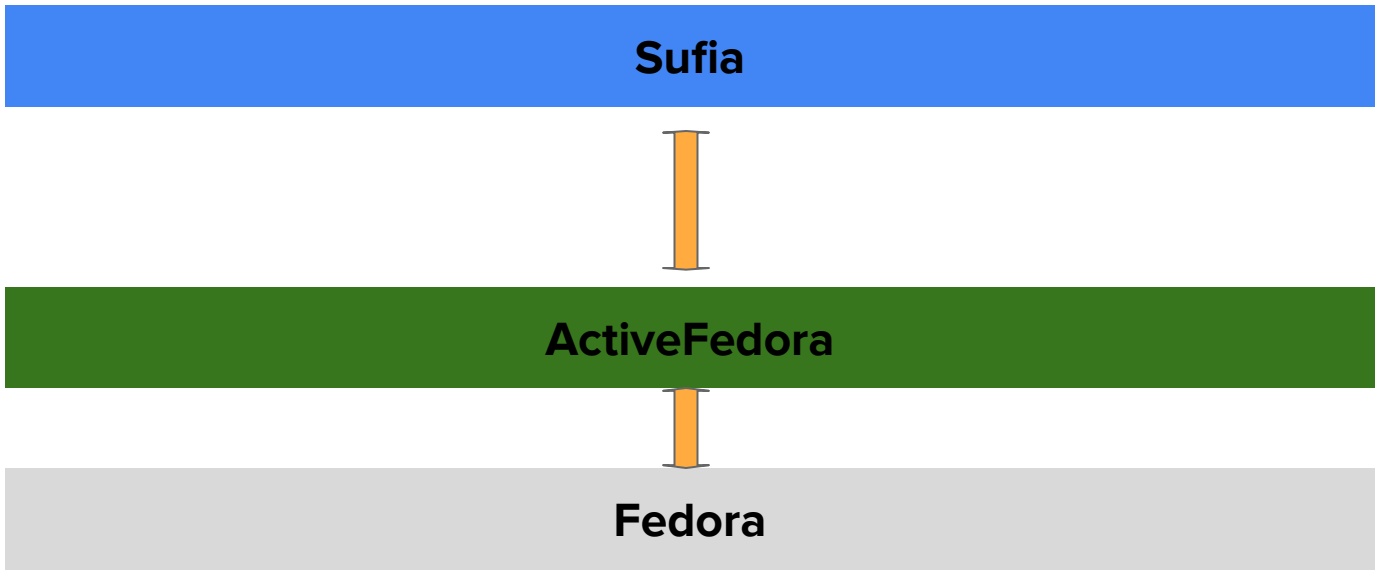

Friday, 23 October, 2015 08:28:48
Adam Wood
Hydra/PCDM Development, 2015-2016

Community Process

Community Data Model?

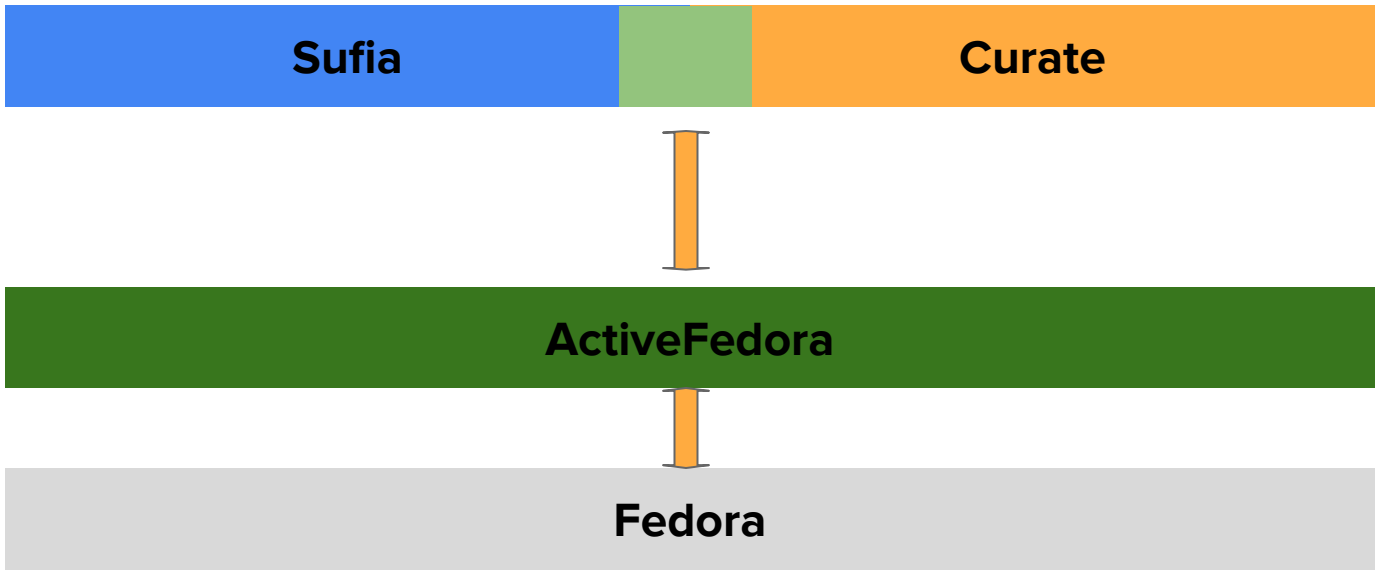
Shared Source Code



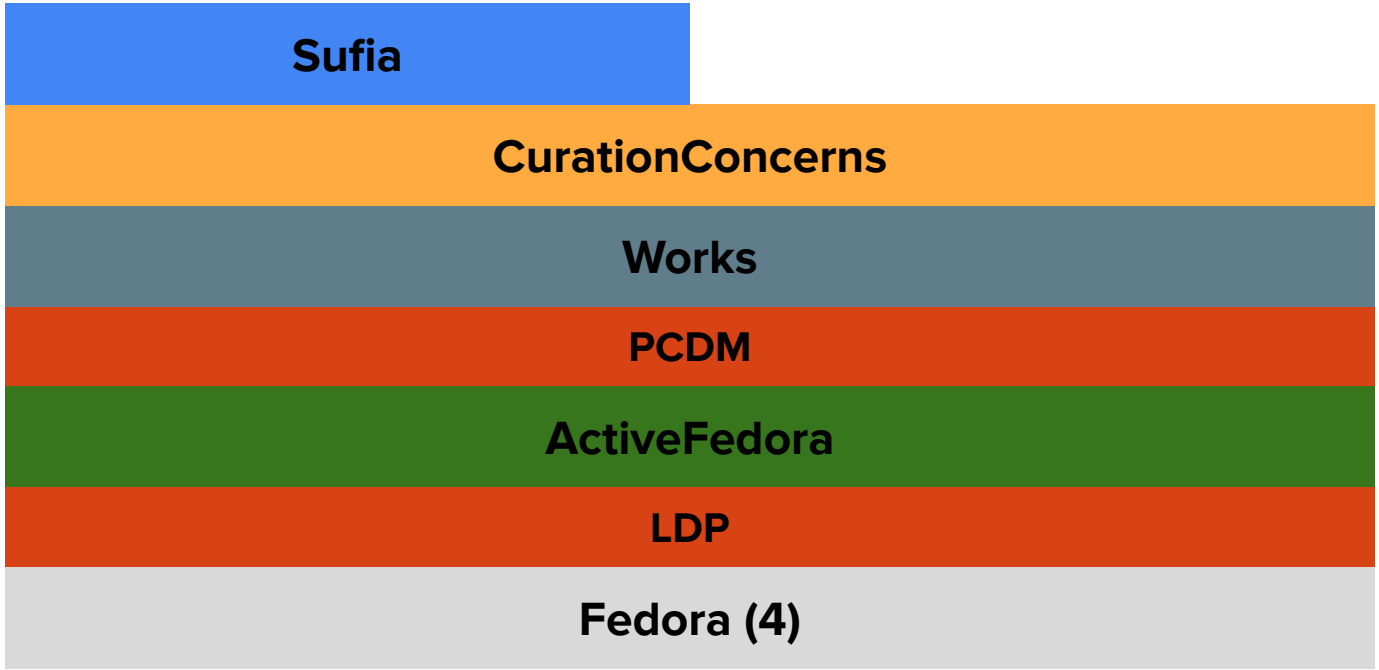

Sufia
ActiveFedora
Fedora

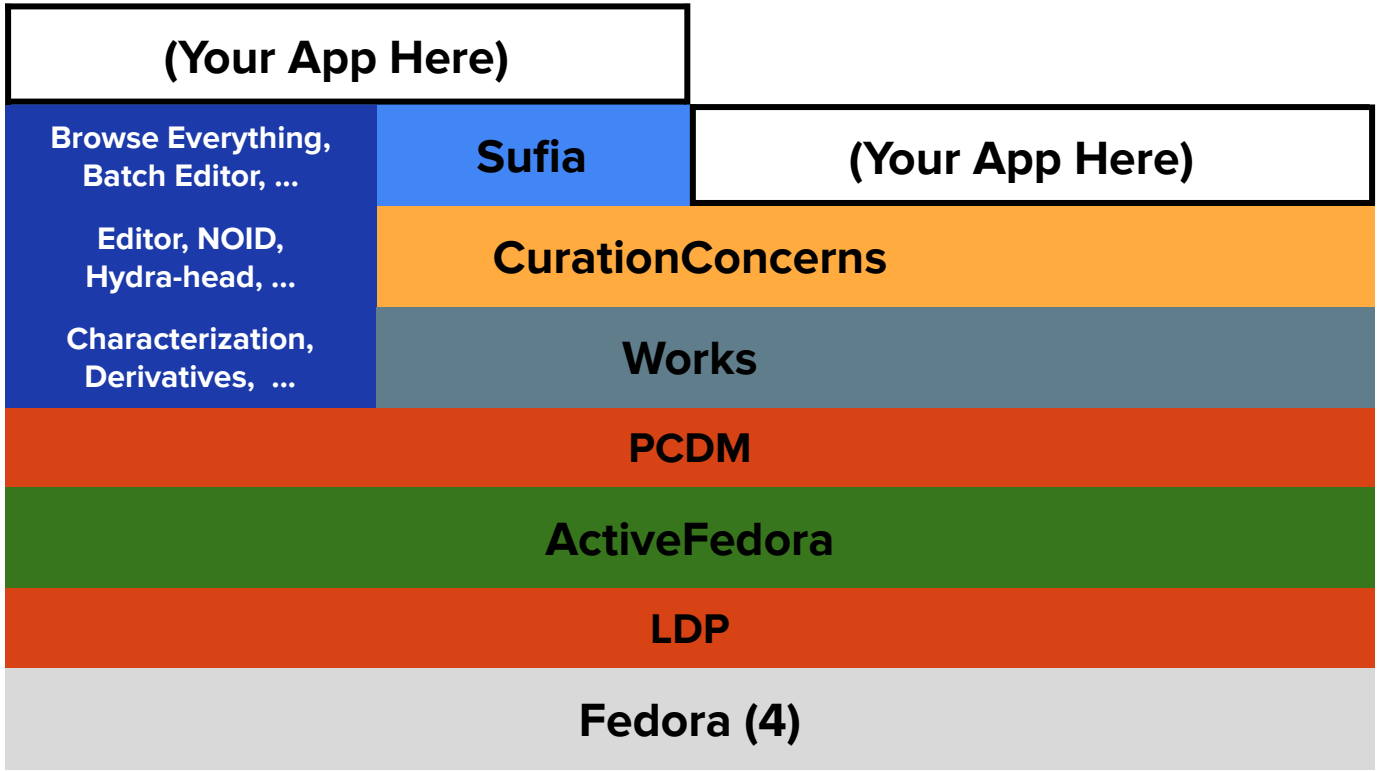
A Shared Application

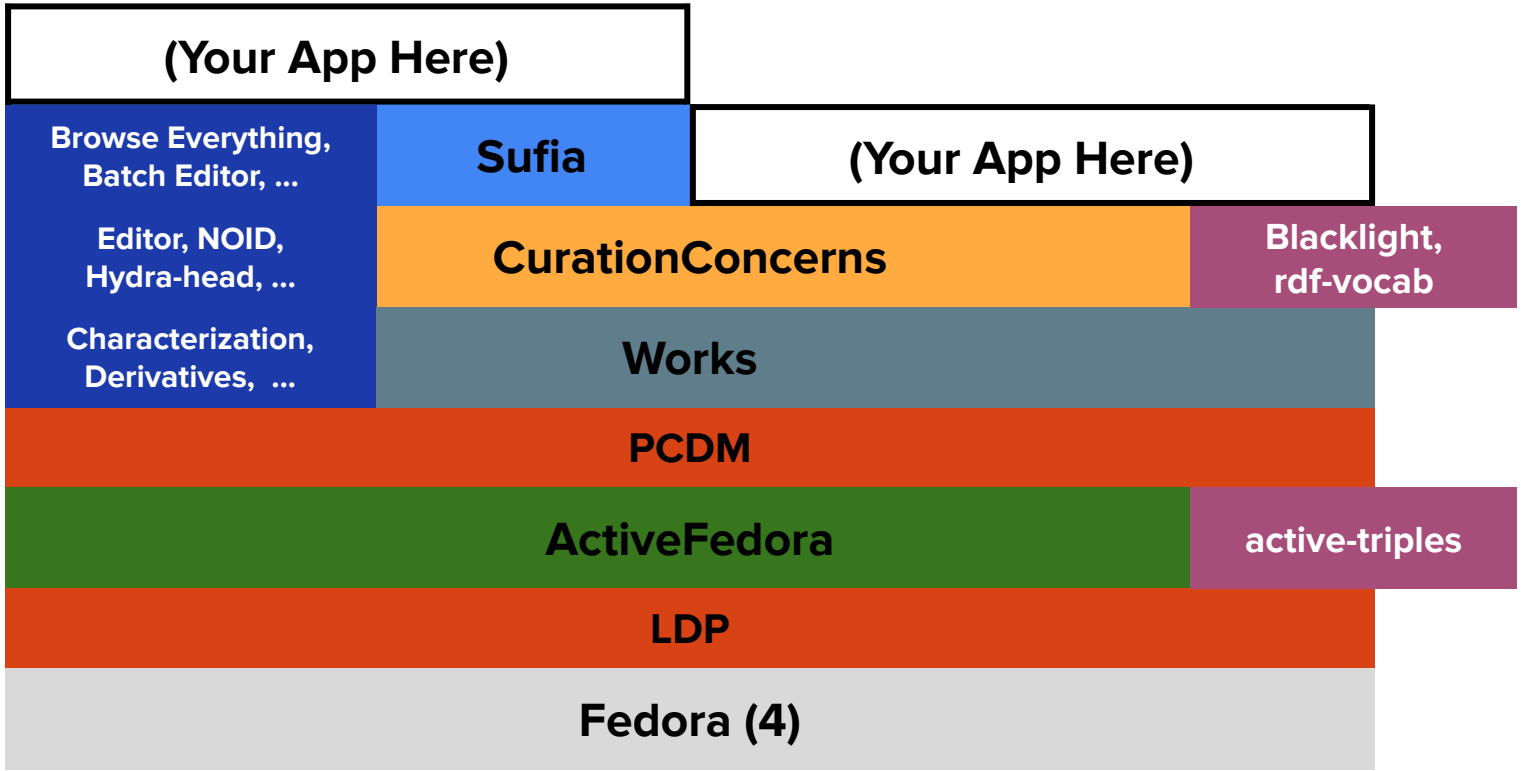
Shared Source Code


Sufia
Curate
ActiveFedora
Fedora

~2015


Sufia
CurationConcerns
Works
PCDM
ActiveFedora
LDP
Fedora (4)


(Your App Here)
Browse Everything, Batch Editor, ...
Editor, NOID, Hydra-head, ...
Characterization, Derivatives, ...
Sufia
(Your App Here)
CurationConcerns
Works
PCDM
ActiveFedora
LDP
Fedora (4)


(Your App Here)
Browse Everything, Batch Editor, ...
Sufia
(Your App Here)
Editor, NOID, Hydra-head, ...
CurationConcerns
Blacklight, rdf-vocab
Characterization, Derivatives, ...
Works
PCDM
ActiveFedora
active-triples
LDP
Fedora (4)

Shared Applications

Shared Data Model

Shared Source Code

Now What?

We've Built a lot of Stuff

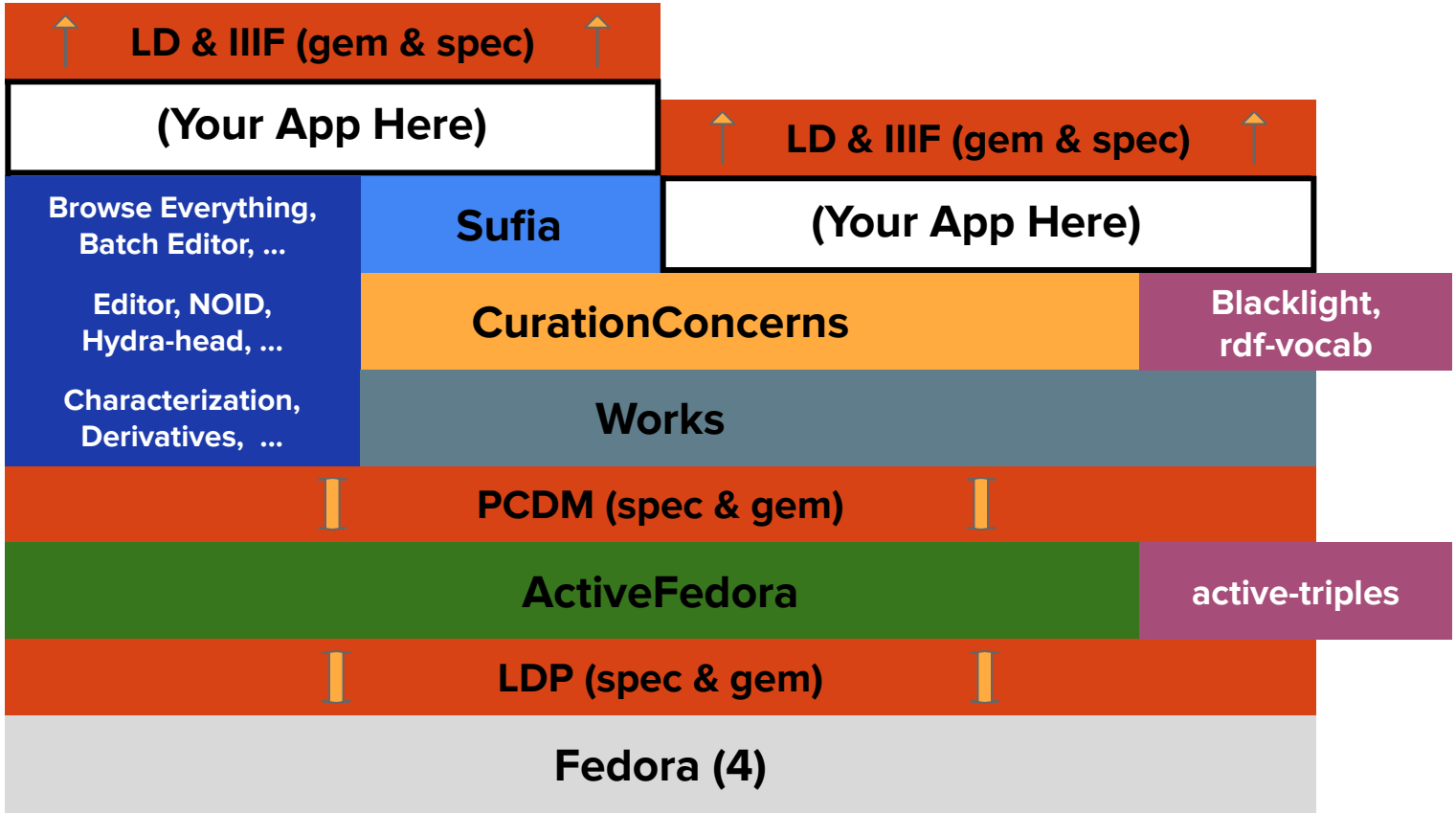
- active_fedora
- browse-everything
- curation_concerns
- hydra
- hydra-derivatives
- hydra-editor
- hydra-file_characterization
- hydra-head
- hydra-jetty
- hydra-pcdm
- hydra-role-management
- hydra-works
- jettywrapper
- ldp
- om
- rubydora
- solrizer
- sufia

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)
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LD & IIIF (gem & spec)
(Your App Here)
Browse Everything, Batch Editor, ...
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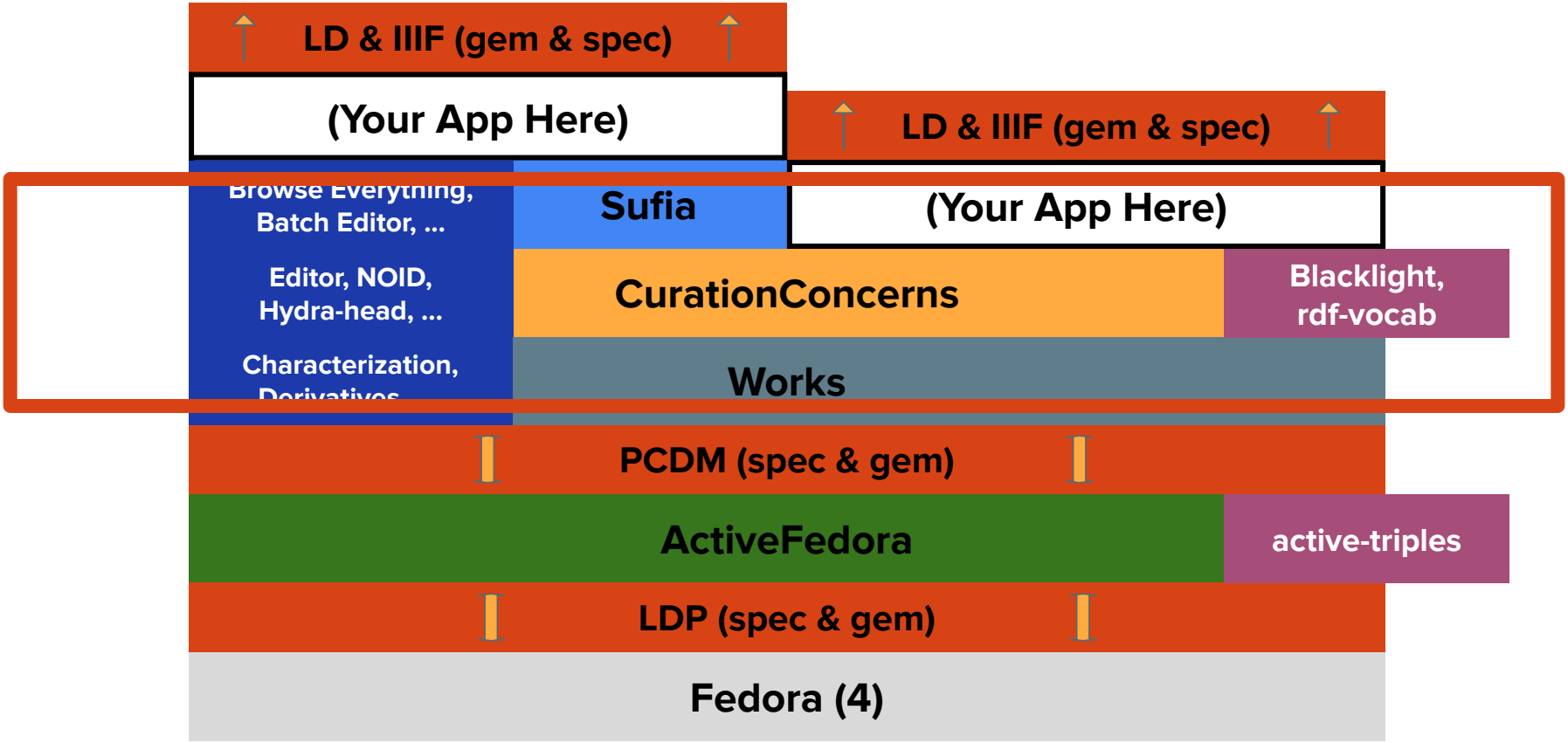
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Browse Everything,
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PCDM (spec & gem)
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active-triples
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Fedora (4)

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