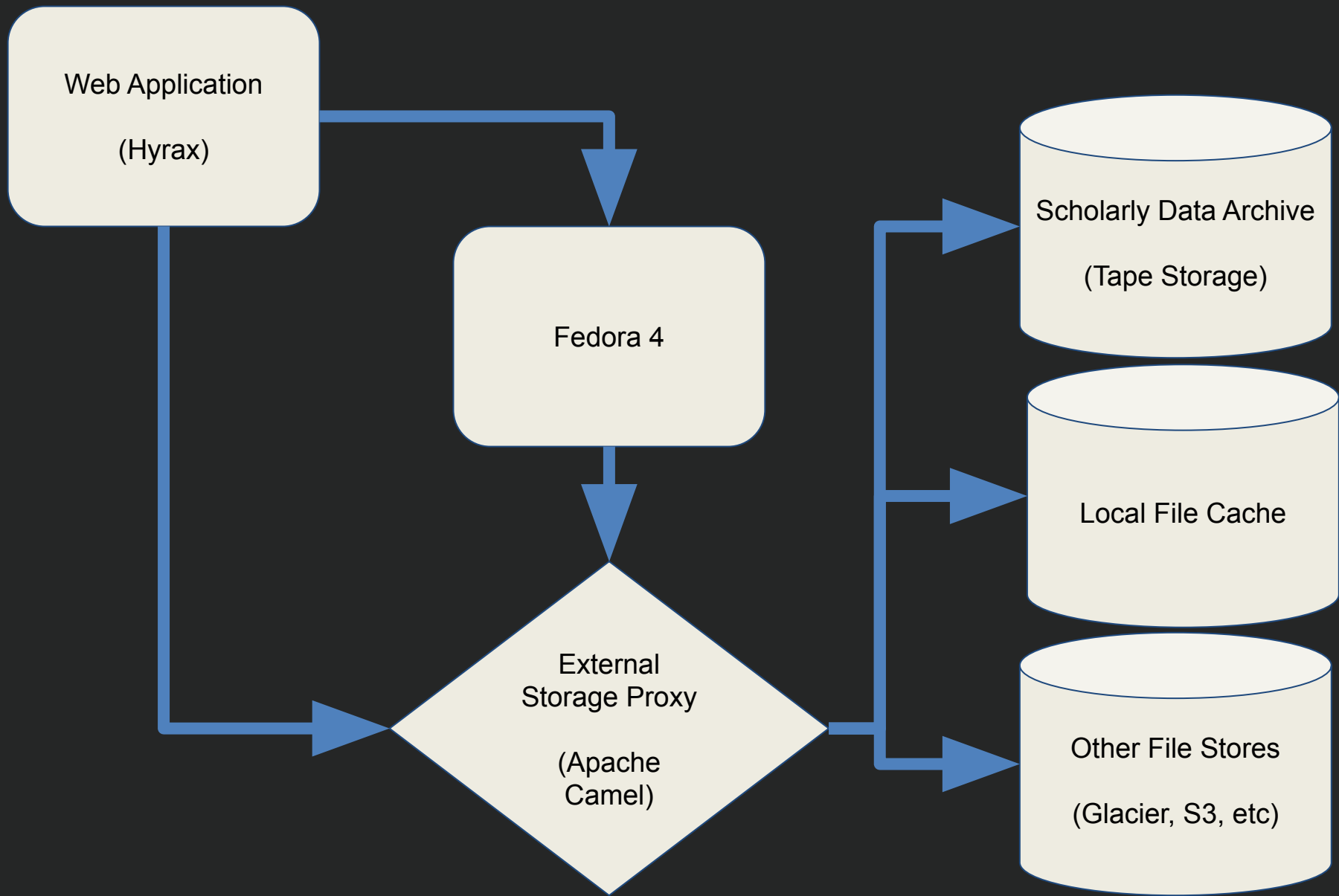




Indiana University Libraries

External Storage Interactions





External Storage Hackathon (Sep 2017)

14 participants gathered at IU Bloomington

Don Brower

Mike Giarlo

Chris Colvard

Kate Lynch

Jason Corum

Drew Myers

Will Cowan

Daniel Pierce

Jon Dunn

Carrick Rogers

Randall Floyd

Sadie Roosa

Kevin Ford

Andrew Woods



External Storage Hackathon (Sep 2017)

- Discussion of existing infrastructure involving external file storage.
- Initial work on:
 - JSON response format for the external storage proxy
 - Implementing the proxy using Apache Camel Blueprint routes
 - Integrating UI controls for a proxy client into Hyrax



GET /sda/status/12345678_access.mp4

```
1.  {
2.    "external_uri": "12345678_access.mp4",
3.    "service": "sda",
4.    "stage": {
5.      "status": "pending",
6.      "created_at": "2017-11-07 18:33:36 -0500",
7.      "updated_at": "2017-11-07 18:33:36 -0500"
8.    },
9.    "fixity": {
10.      "status": "success",
11.      "created_at": "2017-11-07 18:37:10 -0500",
12.      "updated_at": "2017-11-07 18:37:11 -0500",
13.      "result": "d41d8cd98f00b204e9800898ecf8427e",
14.      "vendor_message": "Performed in 1.618s"
15.    }
16.  }
```



Present and Future

- WIP
- Spring Boot replacing Blueprint OSGi.
- Job queue and integration with Fedora API-X.
- UI controls as Hyrax 1.0 plugin



Daniel Pierce - dlpierce indiana edu

#async-storage on Samvera Slack

<https://github.com/samvera-labs/external-storage-proxy>

https://github.com/samvera-labs/storage_proxy_api

https://github.com/samvera-labs/samvera-external_storage

