Here lies
Scholarsphere

2012-2019

Post Mortem

- Upgrading to Hyrax is problematic
  - Performance
  - Valkyrie integration is still forthcoming
  - Could require a migration
- Unable to update existing dependencies (ex. jQuery)
- Adding new features is limited; requires excessive effort
- Developer unhappiness
- Developer departures (unrelated to happiness)
- Difficulty finding part-time contractors
- Institutional upheaval: reorgs, mergers, & a new everyone

Scholarsphere Resurrected

- Focus on research data and scholarly publication (ex. Zenodo, Dryad, Figshare)
- Same data model & metadata
- Smaller application: minimal, standard dependencies (no Fedora)
- Distributed, scalable architecture with a *microservices-esque* approach
- Leverage new storage options such as AWS and Globus
- **All functions are backed by an API to support researchers and migration**

Current Status

- Finished six-week experimentation period deploying sample applications with 2 devs and 1 devops
- Rails 6: Postgres, Solr, Webpacker, Stimulus.js, Blacklight
- Metadata: JSON with Postgres (similar to Valkyrie)
- Storage: Amazon S3 via Shrine with Uppy.js
  - Tested 30 GB files for resumable, multipart uploading
- Jobs: Sidekiq, Amazon lambdas for derivatives (?)
- Deployment: DroneCI, Docker, Kubernetes
- First production release in early 2020

It's not you, it's me

- No, we're not leaving
- Samvera is a community, not software
- Hyrax, Valkyrie, and Fedora have a future at Penn State
- We don't know what that future is yet
- Breakout proposal: *I know, Let's Build an API!*

Thank You!

Questions? Come find me and let's talk more...

Notes & Shout-Outs

Zenodo: https://zenodo.org

Dryad: https://datadryad.org/stash

Figshare: https://figshare.com

Example Shrine integration: https://github.com/psu-stewardship/ss-shrine

Data model sketch: https://github.com/psu-stewardship/ss-json

Current repo: https://github.com/psu-stewardship/scholarsphere-4

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