Sufia 7 Early Adoption: UVA's "Libra 2"

Ellen C. Ramsey, David P. Goldstein, University of Virginia
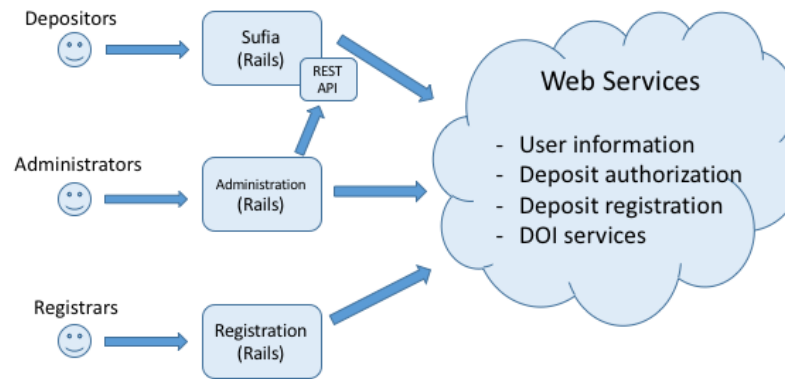
To grow a Hydra Head,

Replace aging repository components, but don't wait for community development to catch up to local need (2014)
- Authentication already required to deposit
- Integration with university student system = 100% ETD adoption to sustain

let Sufia do its job…

- Multi-part "works" with rich metadata
- Visibility controls & options
- Author rights & licenses
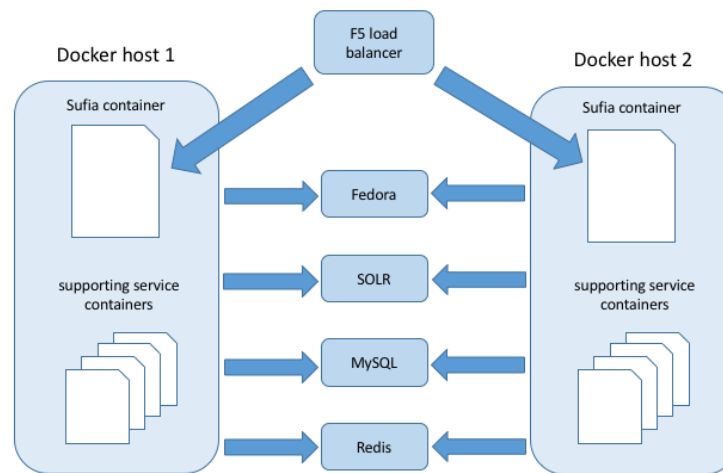- Flexible UI
- Discoverable content
- Community-driven updates

while microservices do the rest

With Sufia 7 release months away, our architecture had to minimize risk by…
- Isolating integration of other systems (microservices)
- Providing consistent mechanism for Sufia (REST)
- Agile development and small isolated deliverables

in a sustainable environment.

Architecture choices achieved:
- Container deployment (Docker) eliminated dependencies, simplified server provisioning
- Automated build & deploy (TeamCity) led to collaborative "DevOps" approach, no more monolithic manual deployments