2017-02-10 Phydo architecture meeting notes

Date

10 Feb 2017

Attendees

- Andrew Myers
- Randall Floyd
- Daniel Pierce
- Amol Khedkar
- Adam Ploshay

Agenda

- Code organization

    - Separating the apps from the gems: let's all make sure we're on the same page.
    - Where does everything live? Are we neighbors, housemates, or what?
    - Which repositories don't we need anymore?
- Dual implementations of Phydo

    - Manage it with forks?
- Plan the work!!!

    - Make tickets!

Action items

Make JIRA tickets for all of the following checkboxes. A checked box means the task is either already completed, or there is a ticket in JIRA for it. Please refer to JIRA for current state of progress on these tasks.

- **Code organization:**

    - Create new repo https://github.com/IULibTech/phydo (Daniel Pierce)
        - ☑ Done in meeting
            - This is the soon-be-home of the code currently at https://github.com/WGBH/hydradam2-app
    - Create new repo at https://github.com/IULibTech/hyrax-async (Daniel Pierce)
        - ☑ Done in meeting
            - This is where code will live that handles asynchronous interactions at the Hyrax level.
    - Create new repo at https://github.com/IULibTech/hyrax-preingest (Daniel Pierce)
        - ☑ Done in meeting.
            - This is where code will live that handles the pre-ingest logic.
    - Get all PRs merged (or closed) for soon-to-be-deprecated https://github.com/WGBBH/hydradam2-app (Andrew Myers, Amol Khedkar)
        - JIRA ticket: HDM-799
    - Merge branch `iu-demo` into `master` for https://github.com/WGBH/hydradam2-app (Andrew Myers, Amol Khedkar)
        - JIRA ticket: HDM-821
    - Push `master` branch of https://github.com/WGBH/hydradam2-app to https://github.com/IUBLibTech/phydo (Andrew Myers).
        - NOTE: this effectively moves the repo from the `WGBH` Github organization to `IUBLibTech` Github organization.
        - JIRA ticket: HDM-822

- **Asynchronous storage**
    - Create the initials for the `hyrax-async` gem, and submit PR to https://github.com/IUBLibTech/hyrax-async
        - JIRA ticket: HDM-826

- **Discoverable files**
    - SPIKE: Investigate "flippable" features in Hyrax, and answer this: Is Hyrax's "flippable" feature framework capable, and practical, for implementing the "discoverable files" feature?
        - JIRA ticket: HDM-825
        - NOTE: that outcomes from the Hydra File Sets Working Group may impact what we actually want to be discovered here - i.e. File Set objects vs File objects. If a discoverable files feature is hard coded to handle discovery of File Sets (as opposed to Files themselves) then this could end up as a high amount of technical debt if the way of handling and modeling File Sets and Files changes.
        - NOTE: We do prefer that the discoverable files feature be implemented as an optional feature within the core code of the Hyrax stack if possible.

- **Hyrax Preingest**
    - Create initials for `hyrax-preingest` gem, and submit PR to https://githhub.com/IUBLibTech/hyrax-preingest
        - JIRA ticket: HDM-823

- Port tests and features from https://github.com/IULibTech/phydo (relating to preingest logic) to the `hyrax-preingest` gem.
  - JIRA ticket: HDM-824
- Add a test for ingest that includes ingesting external file URLs. (Adam Ploshay, Amol Khedkar)
  - We want to have an integration test for ingestion that tests Hydra-works capability introduced in PR #319.
  - It's ok to leave this test as "pending", until PR #319 for Hydra-works gets merged. The point of the test is to tease out what else is needed in order to expose the lower-level functionality of attaching external URIs as files.
  - JIRA ticket: HDM-827
- ~~Modify code in https://gitub.com/IUBLibTech/phydo to use `hyrax-preingest` gem, instead of having it baked into the app.~~ **EDIT:** This should come out in the wash when working through the tickets that result from HDM-827 (see above).