Applied Linked Data Call 2015-05-28

Attendees:

- Steven Anderson (Boston Public Library)
- Trey Terrell (Oregon State University)
- Tom Johnson (DPLA)
- Arwen Hutt (UCLA)
- Aaron Coburn (Amherst College)
- James Van Mil (University of Cincinnati)
- Corey Harper (New York University)

Regrets:

- Mark Matienzo (DPLA)

Linked Data Fragments Sprint Scope + Planning Discussion.

- Search Fragments draft: https://stackedit.io/viewer#!provider=gist&gistId=a226bd32f1dc9da86ea55&filename=searchFragment.md
- Spinning up something that speaks Hydra Ontologies.
  - Start with "Give me a subject, I'll give you triples"
    - This is a sub-type of Triple Pattern Fragments where _subject_ is in the request: { subject ?p ?o .}
  - Works against remote triple store (ie id.loc, getty, etc)
- Deliverables:
  - A Hydra Ontology endpoint that caches resources from remote dataset and returns: { <subject> ?predicate ?object .}
  - Q: How does this fit with QA?
    - Question on when something isn’t cached, does it indicate it will be available and then try to cache it? Or block until it is fetched to be cached?
  - Configure some time of cache time limit on a result. Reply with when it was cached as well?
    - Mention of Varnish?
    - But want to design something that is independent of any caching implementation.
  - Question about blocking. If not cached yet, block until cached, or say not cached come back later?
    - Not blocking, redirecting could be interesting for asynchronous use cases
  - Ticket 1: Blocking support first.
  - Desire to add Linked Data Fragments stuff to rdf.rb where possible (core set of rdf libraries for ruby - http://ruby-rdf.github.io/).
  - Do this work in ActiveTriples namespace.
  - Unlicense (http://unlicense.org/) license under the ActiveTriples github to avoid CLA and other license issues.
  - Start of Sprint is June 8th.
    - For those at Open Repositories (Steven, James, Aaron, and Mark), start an email chain to work out schedules.

Broader / Narrower SKOS concepts in an application.

- Given "Sports", get narrower like "Baseball". Given "Baseball", get the broader of "Sports". All in the same response.
  - How to weight this?
  - Will it be confusing to the user? If they search for "Sports", they may really want books just about "Sports".
  - Seems that Broader likely doesn't have a good use case. Like "North America" giving you "Earth" isn't useful.
- Trey is going to experiment with implementing this over the next week or two.
  - Report back on how that went on the next call. No user testing really but can talk about the implantation experience.

Continued "Sidecar triplestore" best practice / implementation discussion.

- Fedora Replication System (https://github.com/fcrepo4-labs/fcrepo-camel-toolbox/tree/master/fcrepo-indexing-triplestore) from fcrepo-camel-toolbox suggested over the polling.
  - But believe this is only limited to when a Fedora object changes rather than the case of just a label being out of date normally.
- Abstracting out idea of an "event stream"
  - Tells system to "reach past the cache"
- Need to support HEAD requests on Linked Data Fragments (use case of "update the cache but I don't care what you return").

Next Meeting:

- Due to Open Repositories, the next meeting will be June 25th at 9:00 AM PST.