

CTDA Technical Roadmap Discussion NOTES

January 4, 2016

3:00 – 3:30 pm

In Person/Virtual Meeting

1. Welcome and introductions
2. Discuss and prioritize list from last meeting

In the last meeting, we came up with the following topics that we'd like to see implemented:

- Ability to create map visualizations of content.
 - More robust platform
 - Monitoring tools
 - Plan for future migrations
 - Automation of tasks
 - Ability to embed content in other sites
 - Ability to add more manipulation tools
 - Stabilize the platform
 - Ability to use Drupal as a CMS with access to what is needed
 - Add more preservation activities such as checksum checking, separate geolocated backups)
 - Evaluate storage architecture
 - Investigate API implementation
 - External ingest services
- a. Map visualizations: DPLA has a great tool to look up content by location (<http://dp.la/map>). This is something that we could leverage here and we also have a GIS intern that would be interested in doing this. There are some Islandora modules that do this. These rely on Solr. Would it be better to have a data store where we could develop API's and visualizations using these data? This would be more work. In the meantime, we could explore a more static option with a GIS intern working with exported data.
 - b. More robust platform: What do we mean by a more robust platform? Does this mean faster and in relation to what? Right now, we don't have metrics which we need to create a benchmark. Currently in UCL's ITS, they are investigating Splunk (<http://www.splunk.com/>) that is being used by UConn's UITs department. Splunk provides better reporting with all of your systems and gathers that data. With this information on metrics and having a benchmark, ingests could be scheduled to run at a certain time. Monitoring tools such as Splunk are on the development schedule for the March 7th sprint.
 - c. Monitoring tools: Both monitoring and assessment tools are needed. These are both on the development schedule for the March 7th sprint.

- d. Plan for future migrations: The meaning intended for this was a migration from Fedora 3 to 4. We don't want to be early adopters. Let's monitor the progress of Fedora 4 and early adopters.
- e. Automation of tasks: This concerns internal ingest processes like zipping files, making batch ingests easier, or ingesting large objects (greater than 2GB). It would be great to have an external ingest application. There are really 2 things going on here. First, there is the need to ingest objects larger than 2GB. Second, there's a need to automate pre-ingest processes. Do we put in a sprint or outsource this work? Perhaps an environmental scan is our first step. We will put the question to the Islandora Google Group.
- f. Embed content in non-Islandora sites: This is under development by Islandora (<https://jira.duraspace.org/browse/ISLANDORA-1324>) based on work done at OU Libraries. We will continue to monitor this.
- g. Evaluation of storage architecture: We have to look at scalability and hardware. Is there an opportunity to hop on UConn's UITS' storage? This is something that we need to not only monitor but also discuss with UCL's IT.

3. Development requests

- a. Add "Download PDF" link to both UConn's and CTDA presentation sites. Currently PDF's for book objects have to be created manually. This functionality was removed because almost all books didn't have a PDF that was generated. Instead of adding this, would it be possible to change it to "Request PDF" that would generate an email to ctda@uconn.edu? UCL CTDA ticket 56571
- b. Trinity: expose OBJ datastream on their site
Trinity would like their users to have access to the OBJ datastream. This is the same for the future GEO channel/site. UCL CTDA ticket 56572
- c. CSL: Marc XML tab exposed
Jane requested that the MARC XML tab be exposed just like it is on the Islandora Sandbox. An email was sent to the CSL site administrator, Christine Pittsley, with this request. UCL CTDA ticket 56569
- d. Automated testing as part of monitoring tools. Added to CTDA Trello Board
- e. Public Trello board. Contacted board owner to make this development trello board public.

4. Topics to be Discussed Next Time

- Ability to add more manipulation tools for the user and manager
- Adding more preservation activities
- Investigate API implementations
- Public Trello board for CTDA development projects

5. Next Meeting

Monday, January 25, 2016
3:00-3:30pm