DRS2 APIs Harvard Library Lab Project – 6/1/13 Progress Report

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This project has been planned as follows:

Phase	Planned Start date	Planned End date	Status
1. Planning and scoping	11/1/12	3/1/13	DONE
2. Technical design, including authentication/authorization for access to restricted DRS resources (BLOCKED fo	5/1/13	8/1/13	BLOCKED
3. Implementation –Implementation of search, metadata read, and content read APIs, including authentication /authorization for access to restricted DRS resources. Development work will utilize existing LTS development server. *NOTE: This estimate assumes Spencer does the API development work and we use the contractor to backfill on his DRS2 work.*	8/1/13	12/1/13	BLOCKED
4. Implementation of content delivery API that conforms to the International Image Interoperability Framework for the DRS Image Delivery Service.	6/1/13	9/1/13	ACTIVE

Due to unavailability of planned resources (Spencer), no work has been done yet on Phases 2 and 3.

Work was started, however on Phase 4. Chip Goines, LTS developer, has spent about 10 hours starting to investigate technical requirements for adding a IIIF interface on top of the existing DRS2 Image Delivery Service (IDS), based on the Luratech Image Content Server, and a proprietary API for delivering JPEG images from JPEG or JPEG2000 master images. Initial implementation of the IIF API on top of Luratech has started, and when complete we will be able to test with a IIIF validation server, and report whether the Luratech/IDS foundation will be adequate for integrating into applications such as the Multi-Image manuscript viewer being developed at Stanford as part of the Digital Medieval Manuscript Interoperability project, or whether we will need to implement an alternate image server stack. If Luratech will not work, then options include the stack being used at Stanford:

IIIF

Djatoka (open source)

Kakadu (licensed software for for JP2 decoding)

or a new stack we could create using IIPImage

IIIF

IIPImage (open source)

Kakadu (licensed software for for JP2 decoding)