IIIF and DSpace

IIIF Support is available in 7.1 or above. See IIIF Configuration documentation in the 7.x official docs.

DSpace/IIIF Slack Channel

- https://dspace-org.slack.com/messages/C4LVB5069

Interested Participants

Following the DSpace Dev meeting on Mar 15, 2017, this brainstorming page was created. The following people have expressed an interest

- Claire Knowles, University of Edinburgh
- Scott Renton, University of Edinburgh
- Terrence W Brady, Georgetown University
- Hardy Pottinger, UCLA Library
- Suzanne Chase, Georgetown University
- Susanna Mornati (4Science), 4Science
- Andrea Bollini (4Science), 4Science
- Ben W. Brumfield, Brumfield Labs
- Sarah Potvin, Texas A&M University

Meetings

- Next Meeting
    - Feb 2018 - TBD
- Past Meetings
    - IIIF/DSpace Meeting Nov 3, 2017 at 1500 UTC
    - IIIF/DSpace Meeting Aug 25, 2017 at 1500 UTC
    - IIIF/DSpace Meeting June 23, 2017 at 15:00 UTC
    - IIIF/DSpace Meeting April 21, 2017

Brainstorming Questions from Terrence W Brady

- Would a IIIF server pull resources from DSpace, or does the server provide an alternative view of a DSpace item?
- Can a IIIF manifest be used to express relationships between bitstreams? If so, are all of those bitstreams part of one item?
- I understand that a IIIF server can work with dynamically generated tiles and pre-generated tiles. I assume that a DSpace integration would need to work with either option.
- We would be interested in providing a book reader view through IIIF.
    - Currently, we store PDF bitstreams and use a JavaScript library to render the PDF as a book. These PDFs were generated from TIF files created during digitization.
        - A description of our JavaScript solution: FlexPaper Document Viewer for XMLUI
    - I presume that we would continue to offer a PDF bitstream for download AND we would generate image tiles from the source TIF files.
- We would also be interested in using the IIIF manifest to give context to a set of bitstreams within an item

User Story Suggestions from Ben Brumfield

From the perspective of a IIIF client trying to reuse material on a DSpace repository, here are the minimum features needed to work

IIIF Presentation API

- A IIIF client sees a top-level collection for the DSpace installation listing communities. Example: DSpace site mapped to IIIF collection document
- An IIIF client sees a collection manifest listing sub collections
- An IIIF client sees a sub-collection collection manifest listing items as IIIF manifest links
- An IIIF client sees a manifest corresponding to an item *(TODO real world item with example manifest containing metadata, labels, seeAlso services, and canvases)*

IIIF Image API

- A IIIF client sees available image parameters at by calling info.json on the image service for a single page
- A IIIF client can display a single page image at Level 0 Compliance