IIIF/DSpace Meeting June 23, 2017 at 15:00 UTC

Web Meeting Information

Join from PC, Mac, Linux, iOS or Android: https://georgetown.zoom.us/j/473473888

Attenees

- Terrence W Brady, Georgetown
- Suzanne Chase, Georgetown
- Claire Knowles, University of Edinburgh
- Scott Renton, University of Edinburgh
- Andrea Bollini (4Science), 4Science
- Hardy Pottinger, UCLA Library
- Kevin S. Clarke, UCLA Library

Agenda

- Notetaker
- Review progress at each institution.

    - Update from Vatican Conference (Slides presented by Andrea Bollini)
    - IIIF at University of Edinburgh - June 2017
    - IIIF conference: IIIF at UCLA Library: https://docs.google.com/presentation/d/1dfe4exN86dRC1kGpvUyZtW-_BhWC1ASX0-bmwnHcUBU/edit#slide=id.p
    - IIIF Experimentation at Georgetown - June 2017

Meeting Notes

- 4Science (Andrea)
    - 4Science has a goal to release their DSpace/IIIF module as open source. They are seeking development and funding partners to make that feasible.
    - The current solution implements the IIIF Image API, the IIIF Presentation API, the IIIF Search API. Integration of the IIIF Authentication API is in progress.
        - The authentication API could be used to require authentication in order to perform a deep zoom of an image.
    - The UV (universal viewer) has been the easiest and most general purpose viewer to integrate.
        - UV: supports images, video, 3D objects
        - Mirador: supports images only
    - The module uses bitstream metadata (DSpace metadata for all objects) to populate a canvas-level metadata within a manifest
        - https://dspace-glam.4science.it/explore?bitstream_id=2042&handle=1234/25&provider=iiif-image#?c=0&m=0&s=0&cv=0&xywh=-1327%2C-149%2C4661%2C2969
        - if you open the more information you will see the metadata from the item and at the bottom some metadata from the canvas/bitstream Page
- Edinburg (Claire and Scott)
    - 30,000 images have been loaded into the Luna Image server. TIF files are converted into JP2 and JPG files)
        - Also, 30 digitized rare books
    - Manifests are stored in DSpace
        - DSpace provides persistent ids for objects.
    - Skylight (from U of Auckland) searches on top of DSpace. Open Seadragon integrated as well.
    - Annotations are compiled using the Open Annotation Model
        - This is a separate W3C standard allowing for the creation of a hierarchy of annotations
    - Note from the IIIF conference: manifest files need to be provided over https in order to play with with IIIF viewers
    - Many IIIF tools can be deployed/hosted for free.
        - The real cost of using IIIF is in creating/hosting derivative images
        - **??? license needed**
- UCLA (Kevin and Hardy)
    - Developed a custom image server that can reference objects in DSpace or Fedora
    - Permits greater control of generated derivative objects
    - Millions of image tiles stored in AWS so images can be created up front, not on demand
    - Exploring options for 3D objects within the Universal Viewer
- Georgetown (Suzanne and Terry)
    - Prototyping underway using Cantaloupe to reference DSpace bitstreams
        - Pass in a handle/bitstream sequence, retrieve a IIIF compliant image
    - Experimenting with manifest creation
        - Per meeting conversation, the UV is recommended for visualizing collections of manifests
    - Questions about hosting IIIF viewers
        - While a viewer does not need to be hosted, other participants are hosting viewers. Viewer hosting just requires hosting js components.

Additional Resources

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Next Steps

- Schedule another conversation in 2 months.
  - Tentative plan will be for 1500 UTC, but open to a later meeting time to accommodate additional time zones
- Encourage additional participation in this sub group at the Open Repositories conferene
- Potential break out conversation at the IIIF meeting in Toronto in October 2017
- Document IIIF use cases
- Share use cases and architectural ideas with the DSpace 7 development teams