

ArcLight

illuminating discovery to delivery for archives & special collections

Mark Matienzo, Stanford University / @anarchivist

Coalition for Networked Information **#cni17f**

11 December 2017

Description and objectives

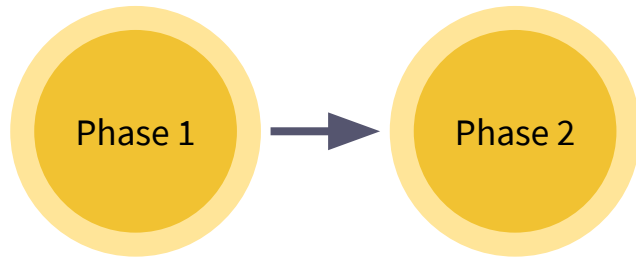
- Project initiated by Stanford Libraries in 2014 to address needs related to discovery/delivery of information in archives
- Support discovery of physical and digital collections
- Compatibility with and intended for integration with other systems, e.g. ArchivesSpace and Hydra/Samvera-based repositories
- Development, enhancement, and maintenance by the Blacklight and Hydra/Samvera communities
- Maintain a community focus throughout the project

Design and development process

- Design process led by 2 UX designers in at Stanford Libraries (Gary Geisler and Jennifer Vine)
- Followed a model for **user-centered design** developed and refined over time (see [DLF 2014 presentation](#)) and leveraged existing practices for community-based open source software development
- **Community-oriented, collaborative design/development process**
 - Intentional choice, informed by DLSS open source participation
 - Opportunity for other institutions to identify needs and participate
 - Build interest and identify potential commitments for software development

Overview and timeline of work to date

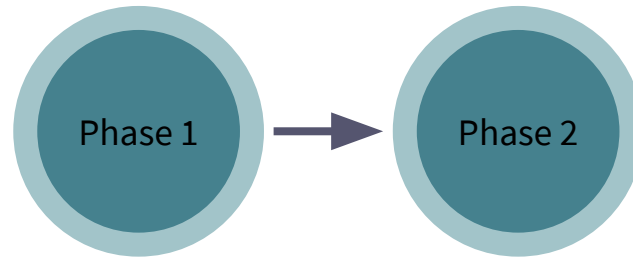
Discovery



Environmental scan
Stakeholder goals
Interview planning

Archivist interviews
End-user interviews
Interview analysis

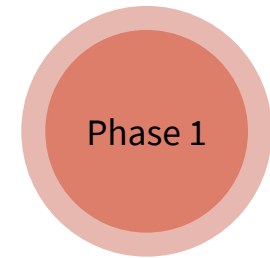
Information Architecture



User needs
User personas
Requirements prioritization

Conceptual models
Conceptual sitemaps
Wireframes

MVP Development and Visual Design



Minimum viable product
Visual design mockups
Visual design style guide



Designing integrated delivery

Early origins of requirements

- Improving discovery for archives and delivery of digital objects
 - Broad interest from all stakeholders early on
 - Demand to remediate marginalization of archival discovery
- Stakeholder goals emphasized specific needs
 - Delivery of digital materials in context of description
 - Address “siloeing” of different kinds of digital content
 - Access controls for both discovery and delivery, including for digital materials
 - Shared need for integration with Aeon or other existing registration/request management systems

User interview quotes

- **Embedding:** ArcLight, to the extent that it's feasible, we want to give the user access to the digital objects within ArcLight... Pretty straight forward for something like images, even for video...Even an embeddable viewer...at some point. **(Archivist)**
- **Conveying context:** The other issue, I do think when things are digitized it's easy for them to... get the sense that they're not in a continuum next to other things or in folders or together in a way. Sometimes, it's very crucial how things are or left or either reorganized or whatever it is. The things that are nearby. **(Researcher)**
- **Content siloing:** People click on a link in the finding aid and go to DSpace. It's not particularly user friendly and requires people to download materials and access them on their local machines. We aren't serving our researchers well. **(Archivist)**
- **Access controls and registration:** We don't allow direct download, because we have no control. There's no registration... [...] Without that, people when they come into the Reading Room, they sign a form saying that they understand copyright, and we're indemnified. If they could do that online, then we'd be indemnified to some degree. **(Archivist)**

<http://bit.ly/arclight-design-documents>

Personas

Composite user sketches intended to demonstrate common needs

Clockwise from top left:

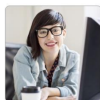
Archivist who serves as ArcLight administrator

Processing archivist

Advanced researcher / faculty user

ArcLight

Administrator Persona



Marcia Garza
Systems Archivist
Archival Collections department at an independent research institution

After working as a junior web developer during grad school, Marcia is enjoying her first year working as an archivist. The work is not without its frustrations, however, and she's excited enough about the potential of ArcLight to improve access to the archive's collections that she volunteered to be their first ArcLight administrator. She's more tech-savvy than most of the other archivists here, but she's not a programmer and she's a bit nervous about whether she'll be "over her head."

"I'm more than willing to spend whatever time it takes to configure ArcLight if it will tame the confusion and chaos that currently limits access to our fantastic collection of archival materials."

Frequency of ArcLight use: Daily
Technical proficiency: High; Marcia suffers from repetitive stress disorder and prefers to use only a keyboard.

Motivation	Scenario	Specific Goals
1 Easily customize ArcLight to be institution-specific	When she logs into the ArcLight administration page, Marcia is pleased to find it even more straightforward than the Drupal-based website she's worked on. She quickly uses a few forms to change the basic appearance of the site to reflect the Institute's name, logo, and colors. It doesn't take much more effort to update the site's footer, to specify the recipients of the feedback form, and to customize the template of a virtual reading room consent form to reflect the Institute's policies.	<ul style="list-style-type: none"> Customize labels and appearance options Add support pages with institution policies, etc. Customize an integrated feedback form Customize a template for a virtual reading room consent form
2 Selectively activate and configure desired features	Despite the efforts of the Institute's public service archivists, Marcia has noticed that many researchers don't understand how to effectively use the Institute's archives or how to request items from the collections. To help address these issues, Marcia creates support pages that outline her Institute's reading room policies, explain how to make digital requests, and describe the Institute's loan conventions and descriptive practices.	<ul style="list-style-type: none"> Selectively enable features of interest, such as specific social media features Configure details of complex features, such as consent viewers, full-text search, and search results display
3 Configure viewers by content type	When she first set up ArcLight, Marcia accepted the default viewers for all digital content types. The support description for her department has recently created an email viewer that is designed to work with the Institute's authentication service. Marcia updates the configuration to use the new viewer for all email content, giving the ready-to-go an email viewer created by an ArcLight plug-in. She also updates the email viewer's default metadata has been installed. The archivist will want to update one of her recent collections to make the writer's Word documents available to this plug-in. As a rule, though, archivists don't need to reconfigure descriptions to update viewers, once Marcia sets a default for a content type, it applies to all objects of that type automatically.	<ul style="list-style-type: none"> Configure viewers for rendering digital material within (or one-click-away-from) ArcLight Archivists don't need to revisit collections to make sure the viewers are up to date

ArcLight

Advanced Researcher Persona



Anna Chandler, Ph.D.
Associate Professor
Department of American Culture at a large public university

Dr. Chandler's research and teaching interests are centered in the Arab and Muslim American Studies programs. She uses archival and digital collections at the archive to introduce her students to primary source materials, and for her own publications and conference presentations. She is experienced with various public access catalogs, finding aid interfaces, and online collections. She frequently takes digital photographs of archival materials with her cell phone, and uses Zotero to manage citations.

"As I'm engaged in both teaching and research, I have to make the most of my time when I'm at the archives. I love how finding aids and access points correlate when I'm at home or my office while preparing for class or conducting research."

Frequency of ArcLight use: Weekly
Technical proficiency: Moderate

Motivation	Scenario	Specific Goals
1 Find primary source materials relevant to pedagogical and research interests	Dr. Chandler is beginning work on an article about the contemporary Muslim-American experience in Detroit. She begins by doing a keyword search across the entirety of the archive's holdings. Then, based on the results by geographic location and date range. The search results include collections, specific collection components, and digital items. She selects a series of items from the Midwest Ephemeral Form record, opens to finding aid, and starts to browse its intellectual hierarchy before conducting several keyword searches within the collection. She bookmarks a few items of possible interest. She returns to the initial results, and selects a relevant folder from the Nabeel Hassan papers. When the component opens, she sees that it is part of the collection's "Islamic Center" subseries (which in turn belongs to a "Topical Files" series) and that there are no restrictions on access or use of the materials.	<ul style="list-style-type: none"> Employ multiple search/discovery strategies across and within collections Search full text where available Receive search results that include collections, components, and digital items Find and refine search results Browse/navigate the hierarchy of an archive
2 Request items or digitization in advance of visits to the archives	Dr. Chandler has identified a potentially interesting folder in the Nabeel Hassan papers. She clicks the "Request" button next to the folder title so that the material will be ready for her next visit to the reading room, and then continues to review the finding aid for relevant access. As she peruses the scope and content note for a series of "Articles, Manuscripts, and Poems," she realizes that a volume of Hassan's diary will be essential to her research; she therefore goes to the component in ArcLight and clicks the "Digitization Request" button. By the time she returns to her initial search results, she is alerted to two notifications in her account: the box she requested will be ready for her in two days (and will be held at the reading room for a week) and her digitization request has been cleared for processing.	<ul style="list-style-type: none"> See clear and unambiguous information regarding applicable use or access restrictions Submit item requests and digitization orders Receive notifications about requests Save collections, components, digital objects in a bookmark list
3 Gain direct access to digital content (as permitted by access-level restrictions)	Dr. Chandler locates her search results to show only digital content and discovers a broad range of relevant information in multiple content types. She notices that items associated with a particular email account in the Khalil Awan papers are restricted to reading-room-only access due to copyright issues and makes a note to view them on her next trip to the archives. Moving on, she finds a number of oral histories from Muslim community leaders in the Alwan papers that she also streamlines in ArcLight via an embedded player. She then turns her attention to some born-digital office files in the Charles Hassan papers that are only accessible to members of the Midwest University community. After clicking on the link and authenticating using her registered username and password, she gains access to a virtual reading room. She navigates through the directory structure and is able to render common file formats in-browser via an embedded player.	<ul style="list-style-type: none"> Access digital content directly from finding aid/discovery interface; from various sources (Hydra, Archive It, ePaaS, etc.) in-browser as much as possible Easy first information regarding applicable restrictions (including copyright) Access the virtual reading room for materials with access-level restrictions

ArcLight

Archivist Persona



Coretta Rey
Arrangement and Description Archivist
Special Collections department in a large public university

With 12 years of experience, Coretta is an expert at producing archival metadata. She's passionate about making archival collections discoverable and accessible, but frustrated with workflows that require her to produce descriptions in multiple systems, export to several others, and wait days or months in between. As her repository's backlog of unprocessed hybrid and born-digital collections grows, Coretta is excited about exploring new ways to provide access to digital materials in a user-friendly discovery environment.

"I want to get archival information to the user easily, quickly, and completely—giving researchers streamlined access to all sorts of digital material within ArcLight, as much as possible."

Frequency of ArcLight use: Daily
Technical proficiency: Moderate to high

Motivation	Scenario	Specific Goals
1 Easily publish and update archival descriptions and digital collections	Coretta just finished processing a large hybrid collection—the papers of a well-known writer. She created description in ArchivSpace, and used Forensic Toolkit Imager, BitCutter, Archive-It, and Archivematica to process and package the born-digital materials and ingest them into her Fedora/Hydra repository. In ArcLight, she selects her data sources, and selects the indexing options she wants. She knows researchers will want to search the content of the writer's drafts and correspondence, not just her descriptions, so she selects full-text indexing. When the indexing is complete, she previews what the collection will look like to the end-user. She catches an error in the description, and corrects it in ArchivSpace, pushing the small update to ArcLight in quick. When she's happy with the preview, she clicks "Publish" to make the collection discoverable in ArcLight.	<ul style="list-style-type: none"> Create and update archival description in any tool; index and publish it in ArcLight Workflow optimized for integration with ArchivSpace Integrate digital material from different sources Make indexing choices based on content
2 Link digital content to the description at any level	The writer's collection includes over 2,000 digital photos. Coretta creates description for the bulk of these images at the series level, rather than the item level, knowing that in ArcLight the images will be presented as a grid of thumbnails for the user to browse or drill by embedded metadata. For a few important images the writer has annotated (ones used for covers of the writer's books), Coretta creates (a separate series with item-level description) to make them more easily discoverable. Most of the writer's manuscripts are in Word files, which display as static documents by default. Coretta's Support Developer recently installed a web-based server rendering plug-in created by an ArcLight community member. Coretta overrides the default viewer so the Word files open in the plug-in.	<ul style="list-style-type: none"> Integrate digital material into archival description at item, folder, series, and/or collection level Override default viewer configuration for a collection Expose embedded content metadata to end users
3 Configure discovery and access restrictions	The writer has stipulated that a series of drafts can only be accessed in the reading room, but when Coretta demonstrates ArcLight's virtual reading room functionality, he consents to virtual access. Coretta configures access so that researchers must request permission to view the drafts online, and once approved, must agree to terms of use before each session. She specifies that all emails in the collection are embargoed for 5 years; when the period expires, the emails will be automatically released in ArcLight.	<ul style="list-style-type: none"> Support access restrictions at the item, folder, series, and/or collection level Enforce embargo until the specified date has passed Allow access to specific users/roles
4 Enhance the archival discovery via linked data	The archives received this writer's collection largely due to his relationship to other collections in the archives. At the donor's request, Coretta has taken the extra step to create a rich agent record, including bio notes from multiple sources, and links to other writers and collections. She would love to see network graphs and other visualizations of these rich connections in the discovery environment.	<ul style="list-style-type: none"> Support EAC or other linked-data connections to other collections and contextual information Display graph or other visualizations of these connections

Sample MVP requirements

Must Have

- Display/link digital material at various levels: item, folder, series, collection
- Display of AV in context of description
- Display of images in context of description
- Support for user access to digital content
- Communicate level of description for digital objects

Should Have

- Bring together elements of the archival collection that might be in different silos
- Gain access to digital content in various formats directly from discovery interface.
- Integrate digital material from different locations or systems outside of ArcLight

Could Have

- Provide layered/tiered access
- Users can sign consent form/waiver
- Configure viewers for digital material within (or one-click-away-from) ArcLight
- Define user group(s) that can access items, folders, series, and/or collections

Won't Have

- Stream AV side-by-side with a transcript (e.g. oral histories)
- Provide "virtual reading room" access to authenticated users for materials with restrictions
- Restrict access to digital objects by IP
- Staff can upload on-demand scans

Wireframes

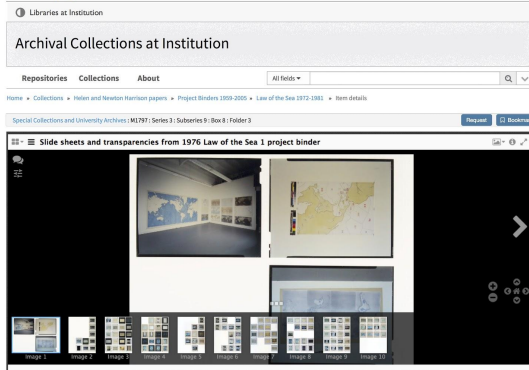
Tracking the evolution
of design for integrated
digital object delivery

Left: early iteration of
wireframe

Right: revised design
based upon feedback

ArcLight - Page Mockups

Item detail page - with embedded viewer



About this digital item

TYPE OF RESOURCE: Still image
DATE CREATED: 1976-1981
LANGUAGE: English
DIGITAL ORIGIN: reformatted digital
EXTENT: 10 sheets of slides and transparencies
FORM: photographs

Found in this collection



Show collection contents

Series 3: Project Binders 1959-2005

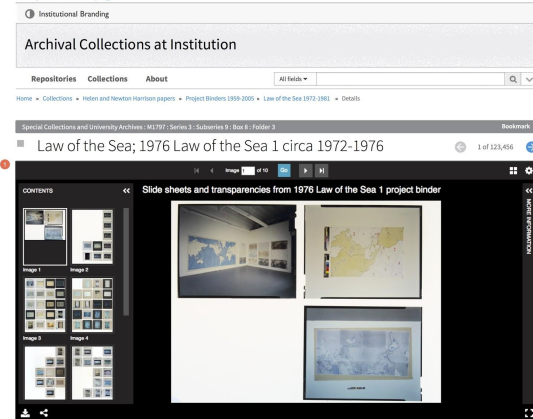
Subseries 9: Law of the Sea 1972-1981

This subseries consists of two project binders with transparencies, slides, and negatives. The two project binders are titled: "1976 Law of the Sea 1" and "1976 Law of the Sea 2." The subseries maintains the Harrison's original binder arrangement.

Box 8	Item 0	Date 0
Folder 3	Law of the Sea; 1976 Law of the Sea 1	circa 1972-1976
Folder 4	Notes found in binder pocket	circa 1972-1976
Folder 5	1976-1977 Project Binder 1976-1977 Law of the Sea 1	circa 1976

ArcLight - Page Mockups

Component detail page



Online
Available to the public
Open in Minerva
View the IIF manifest
In person
Terms & conditions
How to cite this item

ABOUT THIS <ITEM/FOLDER/BOX/SERIES/WHATEVER>

SCOPE AND CONTENT NOTE: Big binder.

ABOUT THE DIGITAL ITEM

TYPE OF RESOURCE: Still image
DATE CREATED: 1976-1981
LANGUAGE: English
DIGITAL ORIGIN: reformatted digital
EXTENT: 10 sheets of slides and transparencies
FORM: photographs

COLLECTION CONTEXT



Series 3: Project Binders 1959-2005

Subseries 9: Law of the Sea 1972-1981

This subseries consists of two project binders with transparencies, slides, and negatives. The two project binders are titled: "1976 Law of the Sea 1" and "1976 Law of the Sea 2." The subseries maintains the Harrison's original binder arrangement.

Box 8	Location	Item	Date
Folder 3	Law of the Sea; 1976 Law of the Sea 1	circa 1972-1976	1969

The ArcLight MVP

<https://arclight-demo.projectblacklight.org/>

Screenshots: discovery

Clockwise from top left:

Repository/department
listing page

Keyword search and hit
highlighting

Finding aid frontmatter

Hierarchical inventory
display

arclight


Bookmarks History Login

Archival Collections at Institution

Repositories Collections All Fields Search...

Home » Repositories

Hoover Institution Archives




434 Galvez Mall
Stanford University
Stanford, CA 94305-6003
650-723-1754

Founded by Herbert Hoover in 1919, the Hoover Institution Library & Archives are dedicated to documenting war, revolution, and peace in the twentieth and twenty-first centuries. With nearly one million volumes and more than six thousand archival collections from 171 countries, Hoover supports a vibrant community of scholars and a broad public interested in the meaning and role of history.

4 collections
View more

National Library of Medicine. History of Medicine Division



Building 38, Room 1E-21
8600 Rockville Pike
Bethesda, MD 20894, USA
hmdref@nlm.nih.gov

NLM's History of Medicine Division collects, preserves, makes available, and interprets for diverse audiences one of the world's richest collections of historical material related to human health and disease.

1 collection
View more

Search within this collection

Overview Contents No online content

Series 1. Personal/Biographical, 1947-2008 Bookmark
8 children View

SCOPE AND CONTENTS

This series contains the Harrisons' and their children's personal papers, as well as biographical material on Helen Mayer Harrison and Newton Harrison. It includes the Harrisons' articles binders and files, which consists of articles about the Harrisons that the Harrisons and their view more

Series 2. Project Files, 1969-2011 Bookmark
73 children View

SCOPE AND CONTENTS

This series houses the Harrisons' project based material. It documents their ecological artwork, installations, and the collaborative nature of their work. It includes contact information, contracts and agreements, blueprints, designs, sketches, correspondence, photographic material, view more

Subseries 1. Making Earth, 1969-1970 Bookmark
1 child View

SCOPE AND CONTENTS

This subseries consists of a biographical note, text, and notes for "Making Earth," where the Harrisons made soil as part of their early theme of survival. The subseries is arranged chronologically

Subseries 2. Plasma Tubes, 1969 Bookmark
17 children View

SCOPE AND CONTENTS

This subseries consists of Newton Harrison's agreement with the Los Angeles County Museum of Art, correspondence, press, designs, blueprints, interviews, planning, notes, receipts, and material about the U.S. Pavilion at Expo '70 in Osaka, Japan. The tubes, comprised of five tall columns, created various colors and moving shapes in reaction to the combinations of gas

Limit your search 1 - 3 of 3 Sort by relevance 10 per page

Collection >

Creator >

Date range >

Level Collection 3

Names >

Repository >

Subject >

Stanford University Libraries. Special Collections and University Archives: M1797

Helen and Newton Harrison papers, 1947-2016

Harrison, Newton, 1932-
257.85 Linear Feet

The papers document the life and work of married couple Helen Mayer Harrison and Newton Harrison, leading pioneers of the eco-art movement, whose collaborative career began in the late sixties. Throughout their career, the Harrisons worked with biologists, ecologists, architects, urban view more

The papers document the life and work of married couple Helen Mayer Harrison and Newton Harrison, Series 6. Presentations and Speeches, Series 7. Early Work by Newton Harrison, Series 8. Research, Series

Florence, Italy, with Newton Harrison, as well as additional graduate studies in anthropology, sociology

Stanford University Libraries. Special Collections and University Archives: M0864

Dr. Huey P. Newton Foundation Inc. collection, 1968-1994

Dr. Huey P. Newton Foundation
100 Linear Feet

The Huey P. Newton Foundation was started by David Hilliard and Fredrika Newton to develop and sponsor cultural, historical and educational programs and institutions consistent with the theories and teaching of Huey Newton and the philosophy and ideology of the Black Panther Party. Huey P.

Stanford University Libraries. Special Collections and University Archives Collection ID: M1797

Helen and Newton Harrison papers, 1947-2016

Search within this collection Overview Contents No online content

SUMMARY

CREATOR: Harrison, Newton, 1932-, Harrison, Helen Mayer, 1927-, and Harrison Studio and Associates

ABSTRACT: The papers document the life and work of married couple Helen Mayer Harrison and Newton Harrison, leading pioneers of the eco-art movement, whose collaborative career began in the late sixties. Throughout their career, the Harrisons worked with biologists, ecologists, architects, urban planners and other artists, creating works that support biodiversity and community development. The collection contains personal papers; project files pertaining to art projects; correspondence; performance, exhibition, and presentation material; business records; research; interview transcripts; writings; material pertaining to the Harrisons' time at both the University of California, San Diego and the University of California, Santa Cruz; photographic material; public relations material; audiovisual material; and computer media relating to the Harrisons' professional career.

EXTENT: 257.85 Linear Feet and 547 containers (273 manuscript boxes, 3 half boxes, 2 cartons, 37 flat boxes, 9 card boxes, 7 audio cassette boxes, 184 map folders; 32 map tubes)

LANGUAGE: English and Material in the collection is mainly in English and German, but there are significant portions in the following languages: Spanish, Italian, French, Dutch, Danish, Serbian, Croatian, Serbo-Croatian, and Czech.

PREFERRED CITATION: [Identification of item], Harrison papers (M1797), Dept. of Special Collections and University Archives, Stanford University Libraries, Stanford, Calif.

Navigation overview

Summary
Access and Use
Background
Indexed Terms

In person

BEFORE YOU VISIT: Special Collections and University Archives materials are stored offsite and must be paged 36 hours in advance.

Screenshots: delivery

Clockwise from top left:

Integrated, configurable
request links

Image/paged content
display

Integrated AV playback

National Library of Medicine. History of Medicine Division [Request](#) [Bookmark](#)

[Alpha Omega Alpha Archives, 1894-1992](#) » Series I: Administrative Records, 1902-1976

[Dr. Root and L. Raymond Higgins' collaboration on Alpha Omega Alpha motto, 1903-1952](#)

Root, William Webster, 1867-1932

[Dr. **Root** and L. Raymond Higgins' collaboration on Alpha Omega Alpha motto, 1903-1952](#)

National Library of Medicine. History of Medicine Division [Request](#) [Bookmark](#)

[Alpha Omega Alpha Archives, 1894-1992](#) » Series I: Administrative Records, 1902-1976

["A brief account of the origin of the Alpha Omega Alpha Honorary Fraternity" - William W. Root, n.d.](#) [online content](#)

" - William W. **Root**, n.d.

Home » Collections » [Stanford University video collection, 1934-2016](#) » Videos » Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2, 1985 May 20

Stanford University Libraries. Special Collections and University Archives. VQ26 [Request](#) [Bookmark](#)

[Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2, 1985 May 20](#) [online content](#)


In person [Overview](#) [Online content](#)

BEFORE YOU VISIT:
Special Collections and University Archives materials are stored offsite and must be paged 36 hours in advance.

LOCATION OF THIS COLLECTION:
 [Stanford University Libraries. Special Collections and University Archives](#)
Green Library
557 Escondido Mall
Stanford, CA 94305, USA
(650) 725-1022
specialcollections@stanford.edu

[Terms & Conditions](#)

Mice, windows, and the great comet; lecture at MacFest 2/2




Mice, windows, and the great comet; lecture by Alan Kay at MacFest; parts 1 and 2

Stanford University Libraries. Special Collections and University Archives [Request](#) [Bookmark](#)

[Writings - Spectrum Systematics of Musical Wind Instruments. Lecture, Brookhaven National Laboratory, Upton, NY, 8 April. Unpublished, \(summary typescript and handwritten notes, 17 pp.\), 1986](#) [online content](#)

In person [Overview](#) [Online content](#)

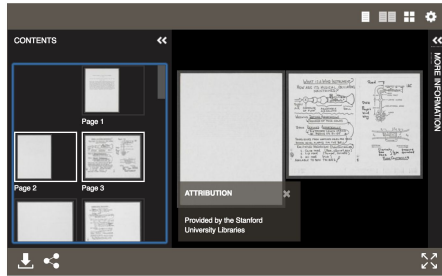
BEFORE YOU VISIT:
Special Collections and University Archives materials are stored offsite and must be paged 36 hours in advance.

LOCATION OF THIS COLLECTION:
 [Stanford University Libraries. Special Collections and University Archives](#)
Green Library
557 Escondido Mall
Stanford, CA 94305, USA
(650) 725-1022
specialcollections@stanford.edu

[Contents](#)

Page 1
Page 2
Page 3

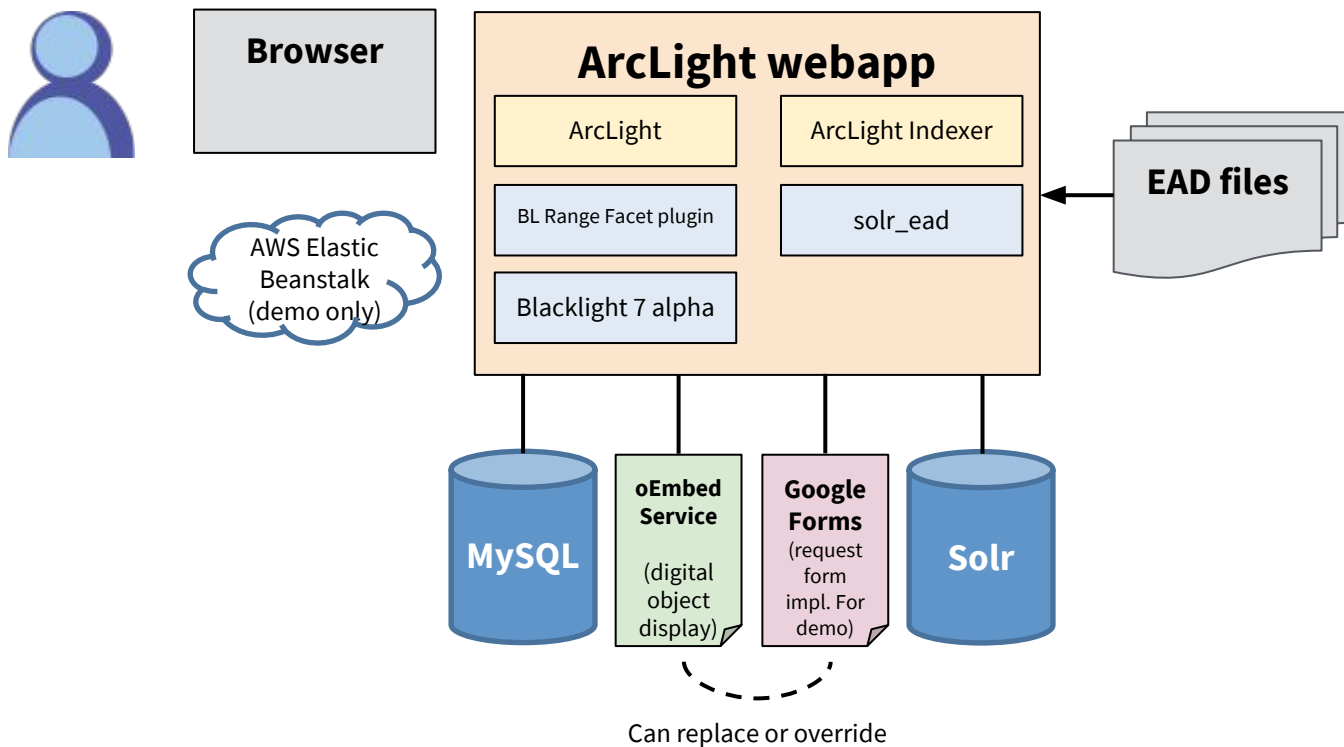
ATTRIBUTION
Provided by the Stanford University Libraries



Implemented features

- Presentation of archival description, hierarchically and by individual components
- Repository information
- Integrated delivery of digital objects (using oEmbed)
- Indexing of EAD 2002
- Keyword searching and faceting by collection, creator, date range, level of description, names, creators, repository, etc.
- Sorting by date, creator, title, relevance
- WCAG 2.0 Level AA conformance
- Search within collections
- Hit highlighting
- Component-level views with contextual information
- Proof of concept request management integration
- Bookmarks
- Configurable repositories and departments
- Basic inheritance of descriptive metadata (e.g. for access and use restrictions)

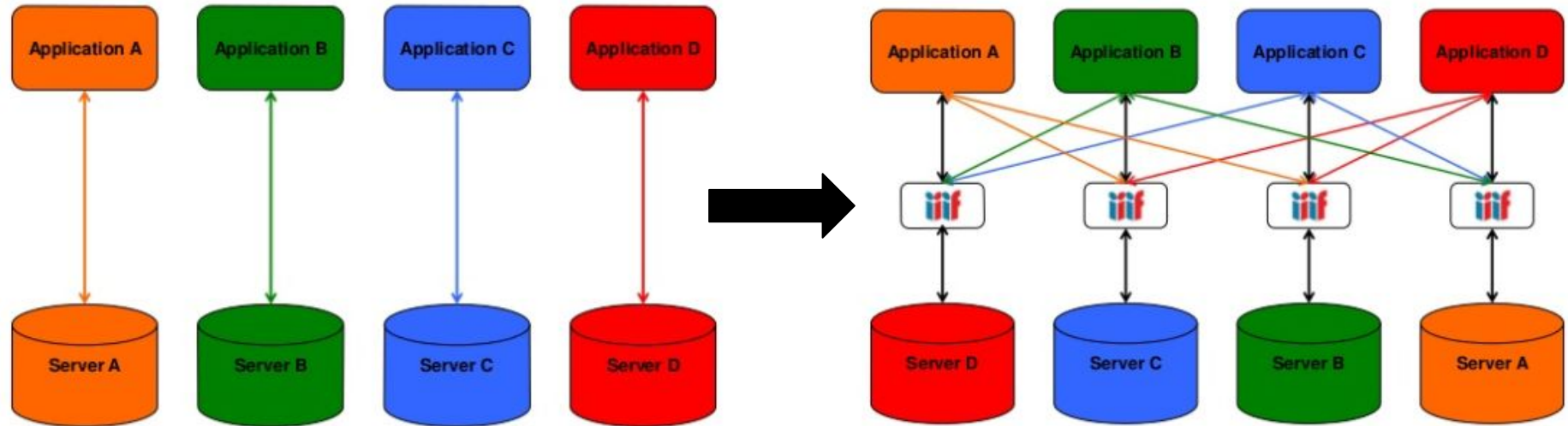
Architecture



Technical affordances

- We should leverage existing technologies from both within the cultural heritage IT sector and beyond to make this easier
 - International Image Interoperability Framework (IIIF)
 - oEmbed
- We should not limit ourselves to custom delivery mechanisms only for ArcLight - any system should be able to reuse viewers
- We need to allow other users or developers to build custom viewers when necessary or to cover specific content types

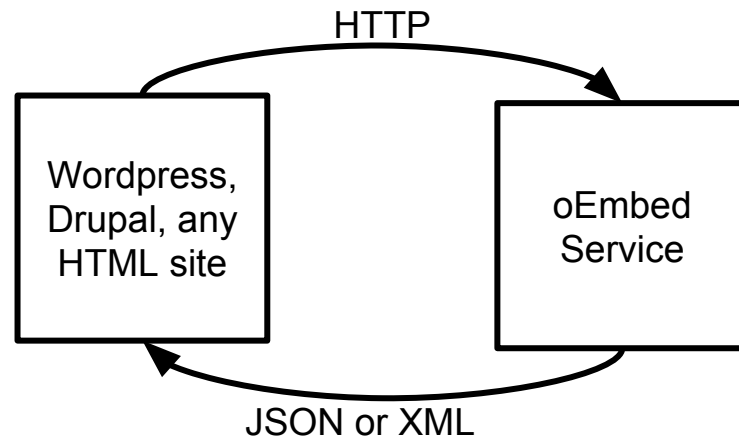
IIIF reduces some delivery barriers



oEmbed

- Simple format/API for sharing embedded Web content
- Existing specification used by many platforms: YouTube, Flickr, Hulu, Slideshare, Twitter ... & **Stanford Digital Repository**
- Allows us to model a pattern of reuse of objects

```
{  
  "version": "1.0",  
  "type": "video",  
  "provider_name": "YouTube",  
  "provider_url": "http://youtube.com/",  
  "width": 425,  
  "height": 344,  
  "title": "Amazing Nintendo Facts",  
  "author_name": "ZackScott",  
  "author_url": "http://www.youtube.com/user/ZackScott",  
  "html": "<object width=\"425\" height=\"344\">  
    ...  
  }  
}
```



Topics for further thought

- oEmbed adoption is a huge opportunity for cultural heritage and education sectors but needs platform-level support
- Integration of request management systems is not easily reproducible given differences in implementations
- Broader need to consider how permissions/restrictions for repositories and content delivery integrate with request management systems
- Opportunity to improve front-end systems integration not just within archives, but across our institutions

Current status and next steps

- Development currently on hold, other than minor maintenance and support inquiries
- Other institutions experimenting with implementations and considering additional work
- Looking for more user input, especially from researchers or scholars
- Anticipating potential work in 2018 calendar year
- Investigating funding opportunities

Acknowledgments

Individuals

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Wendy Hagenmaier^{1,3}, Nabeela Jaffer^{1,3}, Jenny Johnson³,
Jessie Keck², Gordon Leacock², Mark Matienzo^{1,2},
Sarah Newhouse¹, Kayla Ondracek¹, Michelle Paquette³,
Sarah Patton³, Dallas Pillen³, Chris Powell^{1,3}, Jack Reed²,
John Rees^{1,3}, Mike Shallcross^{1,3}, Stu Snyderman³,
Camille Villa², Jennifer Vine^{1,2}, Laura Wilsey^{1,3}

- (1) Design phase contributor
- (2) MVP development team member
- (3) MVP development stakeholder

Institutions

Chemical Heritage Foundation
Columbia University
Georgia Tech
Getty Research Institute
Indiana University
National Library of Medicine
New York University
Pennsylvania State University
Rockefeller Archives Center
Stanford University
United States Holocaust Memorial Museum
University of Michigan
Yale University

More information

- Demo site: <https://arclight-demo.projectblacklight.org/>
- Design documentation: <http://bit.ly/arclightproject>
- Demo videos: <http://bit.ly/arclight-demo-videos>
- Google Group: <http://bit.ly/arclight-community>

Thank you!

Mark Matienzo, Stanford University / @anarchivist
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For more information on ArcLight, visit <http://bit.ly/arclightproject>