Integrating ArchivesSpace with Drupal and Islandora at University of Nevada, Las Vegas Libraries

July 15, 2020 – Webinar
Presenter

Seth Shaw

University of Nevada, Las Vegas
Libraries
Integrating ArchivesSpace with Drupal and Islandora

University of Nevada, Las Vegas
Seth Shaw
2020-07-15
Staff will still create descriptions using ArchivesSpace. Users will see those descriptions in the Drupal site.
UNLV already uses Drupal for the library's websites.

Drupal is easy to customize and extend.

UNLV is adopting Drupal-based Islandora 8 for Digital Objects.

This brings everything into a single site.
ArchivesSpace

View Version control Automated testing

By jasmine on 2 April 2013, updated 14 July 2020

This module provides content types, modules, and plugins necessary for harvesting archival descriptions from an ArchivesSpace instance for public display in a Drupal site.

Note, this module may also be referred to as "ASZDB" for convenience to disambiguate it from the ArchivesSpace software.

ASZDB closely tracks and is designed to be used with islandora 8.

Quick Start Guide

Assuming the Drupal site and ArchivesSpace are installed on the same host:

1. Install the module and all dependencies. Composer is recommended: composer require drupal/archivespace
2. Enable the appropriate submodule for your site (i.e. either stand-alone OR with Islandora).
   E.g. drush en -y /var/www/sites/default/enable-module/archivespace
   OR drush en -y /var/www/sites/default/enable-module/archivespace/islandora_defaults
3. Update the ArchivesSpace settings API endpoint, username, and password @ http://yourdomain.com/config/archivespace
4. Run the migrations. (e.g. using migrate tools not included: drush site --all) Note: most of the migrations will run relatively quickly, within a few minutes. However, the final migration, archival objects, can take a very long time to process for large sites (more than an hour).

Project Information

Module categories: Third-party integration

Drupal 9 is here!
Help port this project at #3131265: Drupal 9 readiness.
Stable releases for this project are covered by the security advisory policy. Look for the shield icon below.

Downloads

8.x-1.0 released 14 July 2020
Initial full release.
- tar.gz (80.27 KB) | zip (24.66 KB)

Development version: 8.x-1.x-dev updated 14 Jul 2020 at 21:35 UTC

View all releases

Maintainers for ArchivesSpace

with a: 13 comments last: 9 hours ago, first: 7 months ago
jasmine: 48 comments last: 1 year ago, first: 2 years ago

View all committers

Issues for ArchivesSpace

To avoid duplicates, please search before submitting a new issue.

Advanced search

All issues
5 open, 8 total

Bug report
3 open, 4 total

Statistics

- New issues: 11
- Response rate: 0%
- 1st response: 0 hours
- Open bugs: 2
- Participants: 2

2-year graph: updates weekly

Documentation

No documentation guides

Resources

Read license
View project translations

Development

View pending patches (1 issue)
Browse code repository
Setting Up the Demo...

- **A Drupal Environment**
  - Drupal VM ([https://www.drupalvm.com/](https://www.drupalvm.com/))
  - Islandora 8 ([https://islandora.github.io/documentation/installation/](https://islandora.github.io/documentation/installation/))

- **ArchivesSpace**
  - You probably already have one....
  - You can install a smaller test instance along-side your Drupal environment (but it requires adjusting port settings).
Welcome to Drupal

No front page content has been created yet.
Follow the User Guide to start building your site.
<table>
<thead>
<tr>
<th>Title</th>
<th>Created by</th>
<th>Last Modified by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hughes (Howard) Professional and Aeronautical Photographs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulich (Nassili) Photographs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hughes (Howard) Public Relations Reference Files</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hughes (Howard) Public Relations Photograph Collection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arden (Donn) papers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flamingo Hilton Hotel records</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manis (L. F.) Collection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manis (L. F.) Photographs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Showing 1 - 8 of 8 Results, Sort by: Select
Installing the ArchivesSpace Module

$ composer require drupal/archivesspace
Loading composer repositories with package information
Package operations: 12 installs, 0 updates, 0 removals
- Installing drupal/token (1.7.0): Downloading (100%)
- Installing drupal/geolocation (3.2.0): Downloading (100%)
- Installing drupal/name (dev-1.x cb28e51): Downloading (100%)
- Installing islandora/controlled_access_terms (1.1.0): Downloading (100%)
- Installing drupal/weight (3.1.0): Downloading (100%)
- Installing drupal/title_length (1.1.0): Downloading (100%)
- Installing drupal/field_group (3.1.0): Downloading (100%)
- Installing commerceguys/addressing (v1.0.8): Downloading (100%)
- Installing drupal/address (1.8.0): Downloading (100%)
- Installing drupal/archivesspace (1.0.0): Downloading (100%)

$ drush en -y archivesspace_defaults, migrate_tools
The following module(s) will be enabled: archivesspace_defaults, archivesspace_core_defaults, archivesspace, language, media, title_length, migrate_plus, migrate, field_group, address, controlled_access_terms_defaults, content_translation, controlled_access_terms, name, geolocation, token, weight
Configure the module

ArchivesSpace Settings

ArchivesSpace API Prefix
http://localhost:8089

ArchivesSpace Username
admin

ArchivesSpace Password
*****
Leave blank to make no changes, use an invalid string to disable if need be.

Save configuration
<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archival Object</td>
<td>An archival resource such as a record group or manuscript collection.</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Archival Resource</td>
<td>An archival resource such as a record group or manuscript collection.</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Archival Top Container</td>
<td>An archival resource such as a record group or manuscript collection.</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Article</td>
<td>Use articles for time-sensitive content like news, press releases or blog posts.</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Basic page</td>
<td>Use basic pages for your static content, such as an 'About us' page.</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Digital Object</td>
<td>ArchivesSpace Digital Object</td>
<td>Manage fields</td>
</tr>
<tr>
<td>Repository</td>
<td>A repository holding materials.</td>
<td>Manage fields</td>
</tr>
</tbody>
</table>
### Manage fields

#### LABEL
- Abstract
- Accruals
- Appraisal
- Arrangement
- Biographical / Historical
- Classifications
- Conditions Governing Access
- Conditions Governing Use
- Creator/Contributor Links
- Custodial History
- Date
- Dimensions
- EAD ID
- Existence and Location of Copies
- Existence and Location of Originals
- Extent

#### MACHINE NAME
- field_abstract
- field_accruals
- field_appraisal
- field_arrangement
- field_biohistor
- field_as_classifications
- field_accessrestrict
- field_userrestrict
- field_as_agent_links
- field_custodhist
- field_date
- field_dimensions
- field_as_ead_id
- field_altformavail
- field_originalsloc
- field_as_extent

#### FIELD TYPE
- Text (formatted, long)
- Text (formatted, long)
- Text (formatted, long)
- Text (formatted, long)
- Text (formatted, long)
- Entity reference
- Text (formatted, long)
- Text (formatted, long)
- Typed Relation
- Text (formatted, long)
- Text (formatted, long)
- Text (formatted, long)
- Text (formatted, long)
- ArchivesSpace Date

#### OPERATIONS
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
- Edit
Taxonomy is for categorizing content. Terms are grouped into vocabularies. For example, a vocabulary called "Fruit" would contain the terms "Apple" and "Banana".

<table>
<thead>
<tr>
<th>VOCABULARY NAME</th>
<th>DESCRIPTION</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate Body</td>
<td>An organization or group of persons that is identified by a particular name and that acts, or may act, as an entity. Also includes an individual acting in a corporate capacity.</td>
<td>List terms</td>
</tr>
<tr>
<td>Family</td>
<td>Two or more people related through marriage, birth, adoption, or other legal manner, or who present themselves as a family.</td>
<td>List terms</td>
</tr>
<tr>
<td>Genre</td>
<td>A term or terms that designate a category characterizing a particular style, form, or content, such as artistic, musical, literary composition, etc.</td>
<td>List terms</td>
</tr>
<tr>
<td>Geographic Location</td>
<td>Geographic area(s) and places to which the records pertain.</td>
<td>List terms</td>
</tr>
<tr>
<td>Language</td>
<td>Language of the work</td>
<td>List terms</td>
</tr>
<tr>
<td>Person</td>
<td>An individual of the human species.</td>
<td>List terms</td>
</tr>
<tr>
<td>Physical Form</td>
<td>A designation of a particular physical presentation of a resource, including the physical form or medium of material for a resou</td>
<td>List terms</td>
</tr>
<tr>
<td>Subject</td>
<td>Subject matter to which the records pertain, such as topics, events, people, and organizations.</td>
<td>List terms</td>
</tr>
<tr>
<td>Tags</td>
<td>Use tags to group articles on similar topics into categories.</td>
<td>List terms</td>
</tr>
<tr>
<td>Temporal</td>
<td>Used for chronological subject terms or temporal coverage.</td>
<td>List terms</td>
</tr>
<tr>
<td>Label</td>
<td>Machine Name</td>
<td>Field Type</td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Authority Sources</td>
<td>field_authority_link</td>
<td>Authority Link</td>
</tr>
<tr>
<td>Birth Date</td>
<td>field_cat_date_begin</td>
<td>EDTF</td>
</tr>
<tr>
<td>Death Date</td>
<td>field_cat_date_end</td>
<td>EDTF</td>
</tr>
<tr>
<td>Person Alternate Names</td>
<td>field_person_alternate_names</td>
<td>Name</td>
</tr>
<tr>
<td>Person Preferred Name</td>
<td>field_person_preferred_name</td>
<td>Name</td>
</tr>
<tr>
<td>Relationships</td>
<td>field_relationships</td>
<td>Typed Relation</td>
</tr>
</tbody>
</table>
Now to bring over our ArchivesSpace data...
The Drupal 8 Migrate API...

"...provides services for migrating data from a source system to Drupal 8."
"Source Systems" include things like...

- Islandora 7
- A pile of scans and a CSV
- A REST API
A Migration Configuration per API Endpoint:

$ drush ms

<table>
<thead>
<tr>
<th>Group</th>
<th>Migration ID</th>
<th>Status</th>
<th>Total</th>
<th>Imported</th>
<th>Unprocessed</th>
<th>Last Imported</th>
</tr>
</thead>
<tbody>
<tr>
<td>archivesspace_agents (archivesspace_agents)</td>
<td>as_agents_corp</td>
<td>Idle</td>
<td>14</td>
<td>0</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>archivesspace_agents (archivesspace_agents)</td>
<td>as_agents_family</td>
<td>Idle</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>archivesspace_agents (archivesspace_agents)</td>
<td>as_agents_people</td>
<td>Idle</td>
<td>9</td>
<td>0</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>archivesspace_subjects (archivesspace_subjects)</td>
<td>as_subjects</td>
<td>Idle</td>
<td>53</td>
<td>0</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_repositories</td>
<td>Idle</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_classifications</td>
<td>Idle</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_classification_terms</td>
<td>Idle</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_resources</td>
<td>Idle</td>
<td>8</td>
<td>0</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_top_containers</td>
<td>Idle</td>
<td>338</td>
<td>0</td>
<td>338</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_archival_objects</td>
<td>Idle</td>
<td>7003</td>
<td>0</td>
<td>7003</td>
<td></td>
</tr>
<tr>
<td>archivesspace (archivesspace)</td>
<td>as_digital_objects</td>
<td>Idle</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
Let's load everything into Drupal:

$ drush mim --all

[notice] Processed 14 items (14 created, 0 updated, 0 failed, 0 ignored) - done with 'as_agents_corp'
[notice] Processed 0 items (0 created, 0 updated, 0 failed, 0 ignored) - done with 'as_agents_family'
[notice] Processed 9 items (7 created, 0 updated, 0 failed, 2 ignored) - done with 'as_agents_people'
[notice] Processed 53 items (53 created, 0 updated, 0 failed, 0 ignored) - done with 'as_subjects'
[notice] Processed 1 item (1 created, 0 updated, 0 failed, 0 ignored) - done with 'as_repositories'
[notice] Processed 2 items (2 created, 0 updated, 0 failed, 0 ignored) - done with 'as_classifications'
[notice] Processed 0 items (0 created, 0 updated, 0 failed, 0 ignored) - done with 'as_classification_terms'
[notice] Processed 8 items (8 created, 0 updated, 0 failed, 0 ignored) - done with 'as_resources'
[notice] Processed 338 items (338 created, 0 updated, 0 failed, 0 ignored) - done with 'as_top_containers'
[notice] Processed 7003 items (7003 created, 0 updated, 0 failed, 0 ignored) - done with 'as_archival_objects'
[notice] Processed 1 item (1 created, 0 updated, 0 failed, 0 ignored) - done with 'as_digital_objects'
Howard Hughes Professional and Aeronautical Photographs

Date: 1916-1997
bulk 1940-1957

Abstract:
The Howard Hughes Professional and Aeronautical Photographs contain black-and-white photographs of businessman and entrepreneur Howard Hughes and his companies from 1916 to 1997. The photographs primarily depict Hughes alongside his aircraft, including the XF-11 prototype reconnaissance plane and the HK-1 Hercules, better known as the "Spruce Goose" or "Flying Boat." The photographs also cover the companies owned by Hughes, including Hughes Tool Company, Hughes Aircraft Company, Hughes Electronics Corporation, and RKO Pictures.

Vassili Sulich Photographs

Date: 1950-2011

Abstract:
The Vassili Sulich Photographs depict dancer and choreographer Vassili Sulich from 1950 to 2011. The photographs primarily depict Sulich dancing in ballets in France, Croatia, Germany, England, and the United States. The photographs also depict ballets choreographed or directed by Sulich at the Nevada Dance Theatre, which he founded in 1972 in Las Vegas, Nevada.

Howard Hughes Public Relations Reference Files

Date: 1931-1997
bulk 1946-1976

Abstract:
The Howard Hughes Public Relations Reference Files (1931-1997) were compiled by Richard "Dick" Hannah, vice-president of the Los Angeles public relations firm Carl Byoir & Associates, which was hired to direct public relations for Hughes' various businesses, from 1931 to 1977. The collection contains correspondence, clippings, and other materials related to the public relations work done for Hughes and his companies.
Howard Hughes Professional and Aeronautical Photographs

Date
1916-1997
bulk 1940-1957

Identifier
PH-00321

Level of Description
Collection

Creator/Contributor Links
Creator (cre): Hughes, Howard, 1905-1976
Subject
Hughes Aircraft Company
Hughes Electronics Corporation
Hughes Tool Company
RKO Teleradio Pictures

Abstract
The Howard Hughes Professional and Aeronautical Photographs contain black-and-white photographs of businessman and entrepreneur Howard Hughes and his companies from 1916 to 1997. The photographs primarily depict Hughes alongside his aircraft, including the XF-11 prototype reconnaissance plane and the HK-1 Hercules, better known as the "Spruce Goose" or "Flying Boat." The photographs also cover the companies owned by Hughes, including Hughes Tool Company, Hughes Aircraft Company, Hughes Electronics Corporation, and RKO Pictures.

Extent
4.5 Linear Feet (16 hanging folders, 2 flat files, 2 shared boxes of negatives, and 1 shared binder of slides)

Language
English
Hughes, Howard, 1905-1976

Person Preferred Name
Howard Hughes

Authority Sources
NACO Authority File

American businessman Howard Hughes was born September 24, 1905 in Houston, Texas. Hughes' business career began when he gained control of Hughes Tool Company in 1924 at the age of 19, following his father's death. An indifferent student, he withdrew from Rice University, married Ella Rice and moved to Los Angeles, where he directed and produced a number of films including Everybody's Artie (1927), Two Arabian Knights (1928), The Racket (1928), Hell's Angels (1930), and The Front Page (1933). The last four either won or were nominated for Academy Awards. However, in 1943 he ran afoul of the Hollywood production codes with The Outlaw. Through a carefully orchestrated campaign to ban the film, he drummed up demand for the film, obtained a distributor for nationwide release, and recouped his investment.

Sources:


Birth Date
24 Dec 1905

Death Date
05 Apr 1976

Howard Hughes Professional and Aeronautical Photographs

Date: 1916–1997
bulk 1940-1957

Abstract:
The Howard Hughes Professional and Aeronautical Photographs contain black-and-white photographs of businessman and entrepreneur Howard Hughes and his companies from 1916 to 1997. The photographs primarily depict Hughes alongside his aircraft, including the XF-11 prototype reconnaissance plane and the HK-1 Hercules, better known as the "Spruce Goose" or "Flying Boat." The photographs also cover the companies owned by Hughes, including Hughes Tool Company, Hughes Aircraft Company, Hughes Electronics Corporation, and RKO Pictures.

Howard Hughes Public Relations Reference Files
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Extent
4.5 Linear Feet (16 hanging folders, 2 flat files, 2 shared boxes of negatives, and 1 shared binder of slides)

Language
English
Conditions Governing Use
Materials in this collection may be protected by copyrights and other rights. See Reproductions and Use on the UNLV Special Collections website for more information about reproductions and permissions to publish.

Inventory

<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Extent</th>
<th>Level of Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portrait photographs, 1920–1959</td>
<td>1920–1959</td>
<td>0.3 Linear Feet (9 hanging folders and 1 shared box of negatives)</td>
<td>Series</td>
</tr>
<tr>
<td>Aircraft photographs, 1934–1972</td>
<td>1934–1972</td>
<td>3.3 Linear Feet (14 hanging folders and 2 flat files)</td>
<td>Series</td>
</tr>
<tr>
<td>Hughes Tool Company and Hughes Aircraft Company photographs, 1917–1997</td>
<td>1917–1997</td>
<td>0.3 Linear Feet (13 hanging folders, 1 shared box of negatives, 2 flat files, and 1 shared binder of slides)</td>
<td>Series</td>
</tr>
<tr>
<td>Motion picture production photographs, 1928–1959</td>
<td>1928–1959</td>
<td>3.2 Linear Feet (10 hanging folders and 2 flat files)</td>
<td>Series</td>
</tr>
<tr>
<td>Las Vegas, Nevada photographs, 1960–1979</td>
<td>1960–1979</td>
<td>1.6 Linear Feet (1 shared box of negatives, 1 shared binder of slides, and 1 flat file)</td>
<td>Series</td>
</tr>
<tr>
<td>Event photographs, 1930–1979</td>
<td>1930–1979</td>
<td>3.2 Linear Feet (9 hanging folders and 2 flat files)</td>
<td>Series</td>
</tr>
</tbody>
</table>
### Aircraft photographs, 1934-1972

**Title**
Aircraft photographs

**Date**
1934-1972

**Extent**
3.3 Linear Feet (14 hanging folders and 2 flat files)

Howard Hughes Professional and Aeronautical Photographs

**Restrictions?** No

**Level of Description:** Series

**Component Identifier**

**Arrangement**
Materials are organized into six subseries:

- Subseries II.A. Hughes XF-11 photographs, 1946-1947;
- Subseries II.B. Hughes HK-1 Hercules photographs, 1943-1947;
- Subseries II.C. Douglas DC-3 photographs, 1947;
- Subseries II.D. Hughes XH-17 Flying Crane photographs, 1952;
- Subseries II.E. Hughes H-1 Racer photographs, 1935-1945;
- Subseries II.F. Miscellaneous aircraft photographs, 1934-1972.

**Scope and Contents**
Materials include photographs from 1934 to 1972 of aircraft built by the Hughes Aircraft Company. The photographs primarily depict the XF-11 Prototype planes and the HK-1 Hercules, otherwise known as the "Flying Boat" or the "Spruce Goose," piloted by Howard Hughes. The photographs also depict the DC-3, XH-17 Flying Crane helicopter, the H-1 Racer piloted by Hughes, aircraft built for Trans World Airlines and Arms Canada, Lockheed planes, and other aircraft piloted by Hughes in various flying competitions.

**Inventory**

<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Extent</th>
<th>Level of Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hughes XF-11 photographs, 1946-1947</td>
<td>1946-1947</td>
<td>0.2 Linear Feet (11 hanging folders)</td>
<td>Sub-Series</td>
</tr>
<tr>
<td>Hughes HK-1 Hercules photographs, 1942-1947</td>
<td>1942-1947</td>
<td>3 Linear Feet (13 hanging folders, 1 shared box of negatives, and 1 flat file)</td>
<td>Sub-Series</td>
</tr>
<tr>
<td>Douglas DC-3 photographs, 1947</td>
<td>1947</td>
<td>0.1 Linear Feet (5 hanging folders)</td>
<td>Sub-Series</td>
</tr>
<tr>
<td>Hughes XH-17 Flying Crane photographs, 1952</td>
<td>1952</td>
<td>0.1 Linear Feet (4 hanging folders)</td>
<td>Sub-Series</td>
</tr>
</tbody>
</table>
Hughes HK-1 Hercules photographs, 1942-1947

Title
Hughes HK-1 Hercules photographs

Date
1942-1947

Extent
3 Linear Feet (13 hanging folders, 1 shared box of negatives, and 1 flat file)

Restrictions?: No

Level of Description: Sub-Series

Component Identifier
I.B.

Arrangement
Materials remain in original order.

Scope and Contents
Materials contain photographs of the HK-1 Hercules, otherwise known as the "Spruce Goose" or the "Flying Boat," from 1942 to 1947. The photographs primarily depict the construction, transportation, and storage of the plane, but also include photographs of the first and only test flight of the HK-1 above Los Angeles Harbor in 1947. Howard Hughes designed the HK-1 as the world's largest plane, capable of transporting large quantities of U.S. military hardware and personnel. In 1947, under the program's new designation H-4 Hercules, Hughes had the plane transported from his factory in Culver City, California to Los Angeles Harbor. On November 2, he piloted the plane during its only test flight. The U.S. Air Force abandoned the controversial project, and Hughes was called to testify before the Truman Committee of the U.S. Senate to justify the use of government funds on a program that never succeeded.

Inventory

<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Extent</th>
<th>Level of Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company, 1945 June 01</td>
<td>1945 June 01</td>
<td>File</td>
<td></td>
</tr>
<tr>
<td>Fuselage of the Hughes Flying Boat being transported from a hangar by truck, 1945 June</td>
<td>1945 June</td>
<td>File</td>
<td></td>
</tr>
<tr>
<td>Flying Boat hull being moved from the Culver City plant to a dock on Terminal Island in Long Beach, California, 1946</td>
<td>1946</td>
<td>File</td>
<td></td>
</tr>
<tr>
<td>Fuselage of the Hughes Flying Boat in transport on a moving truck rig on a narrow road in the country on its way to Long Beach Harbor, 1945 June 15</td>
<td>1945 June 15</td>
<td>File</td>
<td></td>
</tr>
<tr>
<td>One of the wings of the Hughes Flying Boat being transported by truck on a narrow road in the country on its way towards the Los Angeles Harbor, 1946</td>
<td>1946 June</td>
<td>File</td>
<td></td>
</tr>
</tbody>
</table>
Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company, 1945 June 01

**Title**
Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company

**Date**
1945 June 01

**Hughes HK-1 Hercules photographs, 1942-1947**

**Restrictions?**: No

**Level of Description**: File

**Component Identifier**: 0321_0075

**Container**

Folder 02: Series IL; Series VI,
Updates

$ drush archivesspace:update

$ drush archivesspace:purge
Customization
Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. **Teaser** is a short format that is typically used in lists of multiple content items. **Full content** is typically used when the content is displayed on its own page.

Here, you can define which fields are shown and hidden when **Archival Resource** content is displayed in each view mode, and define how the fields are displayed in each view mode.

### FIELD

<table>
<thead>
<tr>
<th>FIELD</th>
<th>LABEL</th>
<th>FORMAT</th>
</tr>
</thead>
<tbody>
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<td>Links</td>
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<td>ArchivesSpace Date Formatter</td>
</tr>
<tr>
<td>Date</td>
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</tr>
<tr>
<td>Finding Aid Link</td>
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<td>Link text trimmed to 80 characters</td>
</tr>
</tbody>
</table>
Please note that the administration theme is still set to the Seven theme; consequently, the theme on this page remains unchanged. All non-administrative sections of the site, however, will show the selected SOLID theme by default.

Set and configure the default theme for your website. Alternative themes are available.

You can place blocks for each theme on the block layout page.

- Install new theme

**Installed themes**

**SOLID 8.x-1.1 (default theme)**

Bootstrap–based theme ideal for web agencies and freelancers (designed by BlackTie).

Settings

---

**Bartik 8.9.2**

A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

Settings | Uninstall | Set as default
Hughes HK-1 Hercules photographs, 1942-1947

Date
1942-1947

Extent
3 Linear Feet (13 hanging folders, 1 shared box of negatives, and 1 flat file)

Restrictions?
No

Level of Description
Sub-Series

Component Identifier
I.B.

Arrangement
Materials remain in original order.

Scope and Contents
Materials contain photographs of the HK-1 Hercules, otherwise known as the "Spruce Goose" or the "Flying Boat," from 1942 to 1947. The photographs primarily depict the construction, transportation, and storage of the plane, but also include photographs of the first and only test flight of the HK-1 above Los Angeles Harbor in 1947. Howard Hughes designed the HK-1 as the world's largest plane, capable of transporting large quantities of U.S. military hardware and personnel. In 1947, under the program's new designation H-4 Hercules, Hughes had the plane transported from his factory in Culver City, California to Los Angeles Harbor. On November 2, he piloted the plane during its only test flight. The U.S. Air Force abandoned the controversial project, and Hughes was called to testify before the Truman Committee of the U.S. Senate to justify the use of government funds on a program that never succeeded.

Inventory

<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Extent</th>
<th>Level of Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company, 1945 June 01</td>
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HUGHES HK-1 HERCULES PHOTOGRAPHS, 1942-1947

Level of Description
Sub-Series
Component Identifier

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Date
1942-1947

Extent
3 Linear Feet (13 hanging folders, 1 shared box of negatives, and 1 flat file)

Additional Information

Administrative Information

INVENTORY

CONSTRUCTION OF ONE OF THE WINGS OF THE HUGHES FLYING BOAT IN A HANGAR AT THE HUGHES AIRCRAFT COMPANY, 1945 JUNE 01 FILE WHHH000064
FUSELAGE OF THE HUGHES FLYING BOAT BEING TRANSPORTED BY A HANGAR AT HUGHES AIRCRAFT COMPANY, 1945 JUNE FILE WHHH000065
FLYING BOAT HULL BEING MOVED FROM THE CULVER CITY PLANT TO A DOCK ON TERMINAL ISLAND IN LONG BEACH, CALIFORNIA, 1946 FILE WHHH000014
FUSELAGE OF THE HUGHES FLYING BOAT IN TRANSPORT ON A MOVING TRUCK RIG ON A NARROW ROAD IN THE COUNTRY ON ITS WAY TO LONG BEACH HARBOR, 1945 JUNE 15 FILE WHHH000067
ONE OF THE WINGS OF THE HUGHES FLYING BOAT BEING TRANSPORTED BY TRUCK ON A NARROW ROAD IN THE COUNTRY ON ITS WAY TOWARDS THE LOS ANGELES HARBOR, 1946 JUNE FILE WHHH000065
HUGHES FLYING BOAT AND WORKERS AT PIER E ON THE LONG BEACH HARBOR IN CALIFORNIA, 1947 JANUARY 08 FILE WHHH000055
AERIAL VIEW OF THE HUGHES FLYING BOAT AT PIER E IN LONG BEACH, CALIFORNIA, 1947 JUNE 23 FILE WHHH000054
AERIAL VIEW OF THE FLYING BOAT DOCKED AT THE LOS ANGELES (NOW LONG BEACH) HARBOR, 1947 JUNE 23 FILE WHHH000055
AERIAL VIEW OF THE FLYING BOAT DOCKED AT THE LOS ANGELES (NOW LONG BEACH) HARBOR, 1947 JUNE 23 FILE WHHH000056
INTERIOR OF THE FLYING BOAT LOOKING TOWARD THE TAIL, 1947 FILE WHHH000137
HOWARD HUGHES ON THE FLIGHT DECK OF THE FAMED HUGHES FLYING BOAT, LONG BEACH HARBOR, CALIFORNIA, 1947 MAY 12 FILE WHHH000128
HOWARD HUGHES ON THE FLIGHT DECK OF HIS FLYING BOAT DISCUSSES HIS FLIGHT ENGINEER AND RADIO OPERATOR PLANS FOR TESTING THE AIRCRAFT, 1947 NOVEMBER 01 FILE WHHH000139
HOWARD HUGHES TALKS OVER DETAILS OF TESTING OF HIS THE FLYING BOAT WITH CHALMER BOWEN AND GALE J. MOORE, 1947 NOVEMBER 01 FILE WHHH000010
HOWARD HUGHES AT THE CONTROLS OF HIS FLYING BOAT PRIOR TO ITS FIRST TAXI TESTS IN THE LOS ANGELES HARBOR, 1947 NOVEMBER 01 FILE WHHH000020
UNIDENTIFIED MEN IN THE INTERIOR OF HOWARD HUGHES' FLYING BOAT PRIOR TO INITIAL WATER TAXI TESTS TO BE CONDUCTED WITH HUGHES AT THE CONTROLS, 1947 NOVEMBER 01 FILE WHHH000025
HUGHES' S FLYING BOAT WAS LAUNCHED FOR THE FIRST TIME AT LONG BEACH HARBOR, CALIFORNIA, 1947 NOVEMBER 01 FILE WHHH000022
HUGHES FLYING BOAT AT TERMINAL ISLAND IN THE LOS ANGELES HARBOR, 1947 NOVEMBER 02 FILE WHHH000061
HUGHES FLYING BOAT ON ITS FIRST FLIGHT OVER THE LOS ANGELES HARBOR, 1947 NOVEMBER 02 FILE WHHH000052
HUGHES FLYING BOAT IN LOS ANGELES HARBOR, 1947 NOVEMBER 02 FILE WHHH000058
HUGHES' S FLYING BOAT, LOS ANGELES HARBOR, 1947 NOVEMBER 08 FILE WHHH000053
HUGHES FLYING BOAT AT LONG BEACH HARBOR, CALIFORNIA, 1947 NOVEMBER 02 FILE WHHH000075
Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company, 1945 June 01

Photograph of the Hughes Flying Boat wing under construction, Culver City, California, June 1, 1945
Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company, 1945 June 01

Title
Construction of one of the wings of the Hughes Flying Boat in a hangar at the Hughes Aircraft Company

Date
1945 June 01
Hughes HK-1 Hercules photographs, 1942-1947

Restrictions?: No
Level of Description: File
Component Identifier
0321_0075
Container
Folder 02: Series II.; Series VI.,
What about Islandora?
Digital Object options in Islandora

1. Create separate digital object records
   - Similar to the ArchivesSpace model.
   - Allows different metadata fields for each.
   - "Duplicate" results in (as far as users are concerned).

2. Make archival objects digital objects themselves
   - Creates a single record for both physical and digital instances.
   - Potentially reduces the perception of "duplicate" results.
Version 1.0 is available! 🎉🥳🎉

What's next?
TODO:

- Drupal 9!
- Searching Dates
- Sorting Extents
- Printable PDF Support
- ? Subject Import options ?
  - Subject hierarchy
  - Improved Subject v. Geographic Vocabulary Sorting
- ? Improved Digital Object Import ?
Questions?