Streamlining the Deposit of AIPs into a Digital Preservation (and Access) Repository

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Systems Integration and the Archival Enterprise
ARCHIVES 2017
Operating Principles for Digital Preservation

● “Establish ingest procedures that encompass traditional archival functions (appraisal, arrangement, and description) and include additional actions to ensure the authenticity, integrity, and security of content.”

● “Adopt responsible, cost-effective and efficient digital preservation strategies and implement community-supported tools and open standards when appropriate to promote interoperability and sustainability.”

● “Provide seamless, intuitive and equitable access to reliable data at the bit-stream level, the digital assets encoded in the bit streams, and the intended contextual and intellectual meaning of the digital assets, in accordance with best practices in user experience.”
Previous Workflow
<table>
<thead>
<tr>
<th>Box No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Architectural Drawings</strong></td>
</tr>
</tbody>
</table>
| **Drawer 114** | Robert E. Schwartz house, 1964 (3 folders) [2013162-1] (Includes photos, conceptual sketches, plans and artist renderings of the interior and exterior and its construction. Digitized images include floorplans, dome, living room, staircase, bedroom, mirrored wall, basement, façade, and dome, as well as of construction workers and Spiral Engineering workers.)  
Community Drug Store Circle Branch, 1962 [2013162-2] (A color rendering has been digitized.)  
Scientific Anglers, 1968 [2013162-3] (A color rendering has been digitized.)  
United Church of Christ, 1962 (2 folders) [2013162-4] (Architectural drawings of the "triangle building" and plan views have been digitized.)  
Robert E., Naugle house, 1981  
Leon Martich house, 1967 |
| **Drawer 115** | Lester Camp house, 1960 [2013162-7] (Floor plan and elevations have been digitized.)  
Stuart J. Bergstein house, 1958 [2013162-8] (Architectural drawings have been digitized.)  
J.F. Vitkuske house, 1965  
F.J. Vitkuske house, 1955 [2013162-10] (Plot, foundation and floor plan, elevations, and details of living room, bedroom, wall tile, etc. have been digitized.)  
James B. Vanderkelen house, 1961  
Dr. Richard Stewart house, 1953  
Roger Burdick house, 1969 |

**Newspaper Clippings**  
Newspaper Clippings, 1968-1980
MAIN MENU OF PROCEDURES:

1. INITIAL SURVEY
2. PII SCAN
3. IDENTIFY MISSING FILE EXTENSIONS
4. FORMAT CONVERSION
5. ARRANGEMENT, PACKAGING, and DESCRIPTION
6. TRANSFER and CLEAN UP

Q: Quit the BHL Automated Batch Processing Sequence

AutoPro may be completed in one session or may be stopped at any point.
Quitting an automated procedure mid-operation may result in loss of data.
Please complete a procedure before exiting the sequence.

PROCESSING STATUS--DEPOSIT 943_0001 (as of Mon 03/30/2015):

Completed: Preliminary Procedures
Completed: 1. INITIAL SURVEY procedure 1 of 6
Completed: 3. IDENTIFY MISSING FILE EXTENSIONS procedure 3 of 6
Completed: 4. FORMAT CONVERSION procedure 4 of 6
Completed: 5. ARRANGEMENT, PACKAGING, and DESCRIPTION procedure 5 of 6

Enter an option:
<table>
<thead>
<tr>
<th>Full Paths to Files</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z:\unprocessed\2013162_0001\2013162-2.zip</td>
<td></td>
</tr>
</tbody>
</table>
Deposit three

Upload File(s)

File:
Enter the path/name of the file on your local hard drive, or click "Browse..." to locate and select the file there.

Please note that Deep Blue preserves the content of certain types of files better than others. Learn more about file types and levels of support

Browse... No file selected.

File Description:
Please provide a brief description of the contents of this file, e.g. "Main article", or "Dataset".

Files Uploaded

<table>
<thead>
<tr>
<th>Primary</th>
<th>File</th>
<th>Size</th>
<th>Description</th>
<th>Format</th>
<th>Edit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2013162-2.zip</td>
<td>168 bytes</td>
<td>Unknown</td>
<td>application/zip (Level 2 Limited)</td>
<td></td>
</tr>
</tbody>
</table>

File checksum: MD5:5bea5d6f11f1849760f77e645c2322d
Architectural drawings - Community Drug Store Circle Branch, 1962
Schwartz, Robert
2016

Abstract: A color rendering has been digitized.

Handle: http://hdl.handle.net/TEMP-BOGUS/311712

This item appears in the following Collection(s)
- Robert E. Schwartz architectural drawings
Issues with Previous Workflow

Inefficient

- Lots of copying and pasting or rekeying of metadata between systems
- Depositing items and bitstreams through the DSpace Submission User Interface was slow-going

No System of Record

- 3+ versions of the metadata
- Metadata in our digital repository did not always end up in the finding aid
Current Workflow
Robert E. Schwartz architectural drawings.

Architectural Drawings

Drawer 114
Robert E. Schwartz house, 1964 [5 folders] [2013082-1] (includes photos, contextual sketches, plans and artist renderings of the interior and exterior and its construction. Digital images include floor plans, doors, flooring, walls, ceilings, bathrooms, windows, wall radiators, furniture, and windows, and some of the construction work and floor plans. [2013082-2] [A color rendering has been digitzed.]
Community Drug Store Circle Branch, 1962 [2013082-3] [A color rendering has been digitzed.]
Scientific Anglers, 1968 [2013082-4] [A color rendering has been digitzed.]

Drawer 115
Lester Camp house, 1962 [2013082-5] (floor plan and elevations have been digitzed.)
Stuart L. Bergin House, 1958 [2013082-6] [Architectural drawings for a building in progress.]
E. L. Williams house, 1963
F.A. Volade house, 1961 [2013082-7] [Architectural drawings for a building in progress.]

Newspaper Clippings
Newspaper Clippings, 1964-1980

Community Drug Store Circle Branch, 1962

Basic Information
Title: Community Drug Store Circle Branch
Ref ID: 53eda52060b91854c444d34e2f75149201
Level of Description: File
Has Unpublished Ancestor: False
Restrictions Apply: False

Dates
Creation: 1962

Notes
General
Persistent ID: 1f6d9ad812229bebc4a985bd2a7ed/f18
ArchivesSpace CRUD Functions *in* Archivematica

- Create/Read/Update Archival Objects
  - Title
  - Level of description
  - General note
  - Conditions governing access note
  - Start date, end date, date expression
- Delete Archival Objects
- Changes written immediately to ArchivesSpace via its API
ArchivesSpace CRUD Functions in Archivematica
Associate Digital Objects with Archival Description

- Drag-and-drop functionality
- Folders or files
- Once associated, files and folders in the transfer backlog are struck through
- Clicking “Finalize Arrangement” kicks off the Archivematica Ingest Process
Create AIPs
Deposit AIPs to DeepBlue
How it Works

**ArchivesSpace API**
Allows Archivematica to pull (or push) metadata from (or to) ArchivesSpace

**v2**
Allows Archivematica to deposit metadata and digital objects to DSpace, returns newly minted DSpace Handle to Archivematica to pass to ArchivesSpace

**DSpace API**
Allows Archivematica to update permissions on digital objects in DSpace

**ArchivesSpace API, again**
Allows Archivematica to push DSpace Handle to ArchivesSpace
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Lessons Learned

SWORD v2 Protocol vs. DSPACE RESTful API

- With SWORD, you get more interoperability.
- With DSpace API, you get more functionality.

Systems of Record

- The same information will (or could) live in multiple places...
- ...know where you’ll look for the authoritative version.

Status Update: The systems integrations we’re using now are really good at covering basic workflows and functionality.
Thanks!