

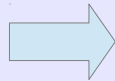
The rchivematica[®] **Open-Source Digital Preservation System**

**Leon Levey Foundation/Archivists Round Table of Metropolitan New York, Inc.
New York – Morgan Library – November 19, 2013
Courtney C. Mumma, MAS/MLIS, Archivematica product manager**

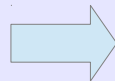
What is Archivematica?

- Free and open-source
- OAIS and beyond
- Simplifies the universe of tools
- Flexible workflows
- Consistent, standards-compliant Archival Information Packages (AIPs) and Dissemination Information Packages (DIPs) [Bagit, Dublin Core, METS, PREMIS]
- Storage and Access system agnostic

Born Digital and Digitized Materials



AIPs and DIPs






lots of tools

- Bagit
- Bulk extractor
- Clam AV (anti-virus)
- ElasticSearch
- FFmpeg
- File Information Tool Set (FITS)
- Fido
- fiwalk
- AtoM
- Imagemagick
- mediainfo
- p7zip
- Inkscape
- LibreOffice
- NFS-common
- PyODConverter Daemon
- Poster
- Samba/CIFS
- Md5deep
- UUID
- Ubuntu Linux
- Zip
- Django
- Gearman



12:00 AM

Web-based dashboard



Transfer¹ Ingest¹ Archival storage Preservation planning Access Administration x











Standard

/home/courtney/archivematica-sa

Browse

Start transfer

Type Transfer name Accession no.

Transfer	UUID	Transfer start time	
 Memphis Jack files	55fd7dd2-48cb-463e-a625-1c41283e92e0	2013-04-29 13:43	 
▶ Micro-service: Create SIP from Transfer			
Job: Create SIP(s) [?]	Awaiting decision		Actions
Job: Load options to create SIPs	Completed successfully		Actions <ul style="list-style-type: none">- Create SIP(s) manually- Send to backlog- Reject transfer- Create single SIP and continue processing
Job: Check transfer directory for objects	Completed successfully		
▶ Micro-service: Complete transfer			
▶ Micro-service: Characterize and extract metadata			
▶ Micro-service: Clean up names			
▶ Micro-service: Scan for viruses			
▶ Micro-service: Extract packages			
▶ Micro-service: Quarantine			
▶ Micro-service: Generate METS.xml document			
▶ Micro-service: Verify transfer checksums			
▶ Micro-service: Assign file UUIDs and checksums			
▶ Micro-service: Include default Transfer processingMCP.xml			
▶ Micro-service: Rename with transfer UUID			
▶ Micro-service: Verify transfer compliance			
▶ Micro-service: Approve transfer			
Job: Approve standard transfer	Completed successfully		
 bug5008	39eca2f1-771d-4837-a809-d2fbc2577090	2013-04-29 12:16	 

Format Policy Registry

archivematica.

Transfer ¹ Ingest ² Archival storage Preservation planning Access Administration demo@example.com ▾

Format Information

Formats

Groups

Show

10

entries

Search:

Identification

Tools

Rules

Commands

Normalization

Tools

Rules

Commands

Description

Group

Actions

7 Zip

Package

[View](#)

Adobe Illustrator

Image (Vector)

[View](#)

Archivematica Maildir

Email

[View](#)

Audio Interchange File Format

Audio

[View](#)

Audio/Video Interleaved

Video

[View](#)

Bitmap

Image (Raster)

[View](#)

BZip

Package

[View](#)

Cascading Style Sheet

Text (Markup)

[View](#)

CSV

Text (Plain)

[View](#)

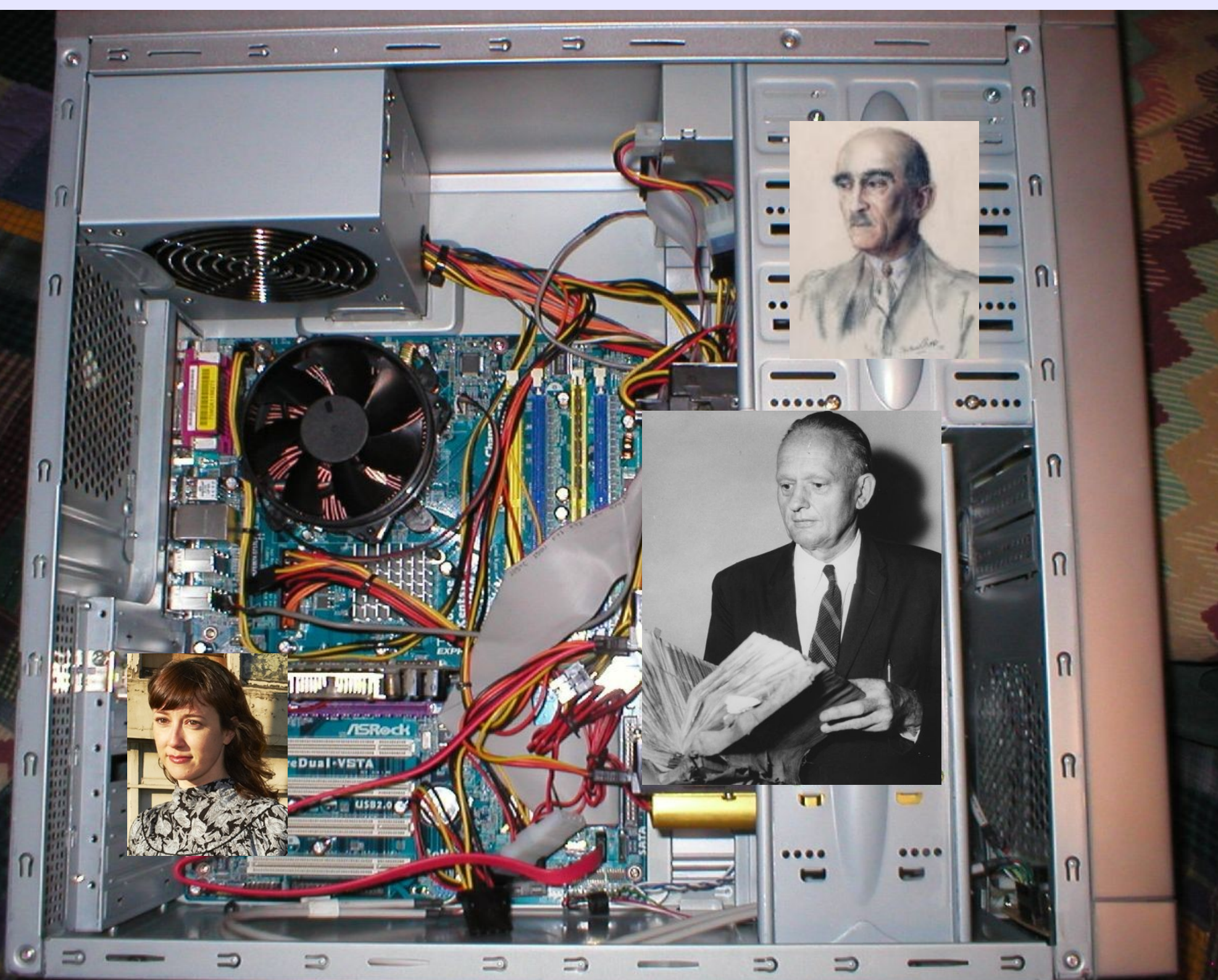
Default Format

Unknown

[View](#)

Showing 1 to 10 of 53 entries

◀ Previous Next ▶



Flexible workflows

archivematica Transfer ¹ Ingest ² Archival storage Preservation planning Access Administration demo@example.com ▾

Processing configuration

General
Failures
Transfer source locations
AIP storage locations
AtoM DIP upload
CONTENTdm DIP upload
Archivists Toolkit DIP upload
PREMIS agent
REST API

Processing configuration

<input checked="" type="checkbox"/> Send transfer to quarantine	Yes ▾
<input type="checkbox"/> Approve normalization	Yes ▾
<input checked="" type="checkbox"/> Store AIP	Yes ▾
<input checked="" type="checkbox"/> Remove from quarantine after	2.0 days
<input checked="" type="checkbox"/> Create SIP(s)	Create single SIP and continue pr ▾
<input checked="" type="checkbox"/> Normalize	Normalize for preservation and ac ▾
<input type="checkbox"/> Select file format identification command (Transfer)	--Actions-- ▾
<input checked="" type="checkbox"/> Select file format identification command (Ingest)	--Actions-- Fido version 1 PUID runs Identify using Fido File Extension version 0.1 file extension runs Identify by File Extension Skip File Identification
<input checked="" type="checkbox"/> Select compression algorithm	7z using bzip2 ▾
<input checked="" type="checkbox"/> Select compression level	5 - normal compression mode ▾
<input checked="" type="checkbox"/> Store AIP location	Store AIP in standard Archivemati ▾

Save

Flexible ingest

Templates for adding basic Dublin Core and PREMIS rights and restrictions to the SIP

CSV file-level metadata ingest

Add multiple transfer source and storage locations using the Storage Service

the Archivemata AIP

archivemata.org/wiki/AIP_structure

A Bag containing

- ingested digital objects
- preservation versions of the objects
- submission documentation
- logs
- the METS file

The METS file

<dmdSec> (descriptive metadata)

Dublin Core XML

<amdSec> (administrative metadata)

<techMD>

PREMIS: object

<digiProvMD>

PREMIS: events

PREMIS: agents

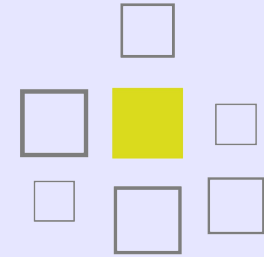
<rightsMD>

PREMIS: rights

<fileSec> (a list of the files and their roles and relationships)

<structMap> (a representation of the physical structure of the AIP)

Digital Repository Interfaces



DSPACE

CONTENTdm®

atom
access to memory



DURACLOUD™



archivematica®

artefactual
systems inc.

Sustainability





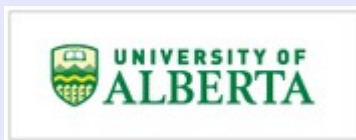
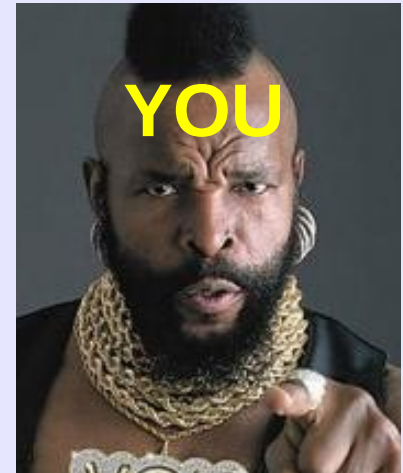
artefactual

systems inc.



digital preservation consulting
open-source software for archives and libraries

archivematica® atom
access to memory



Yale UNIVERSITY LIBRARY



archivematica.org

Twitter: @archivematica

Online demo:

sankofa.archivematica.org

User: demo@example.com

Password: demodemo

Me: courtney@artefactual.com

(Ask me for free stickers and pins!)