The archivematica® Open-Source Digital Preservation System

Leon Levey Foundation/Archivists Round Table of Metropolitan New York, Inc.
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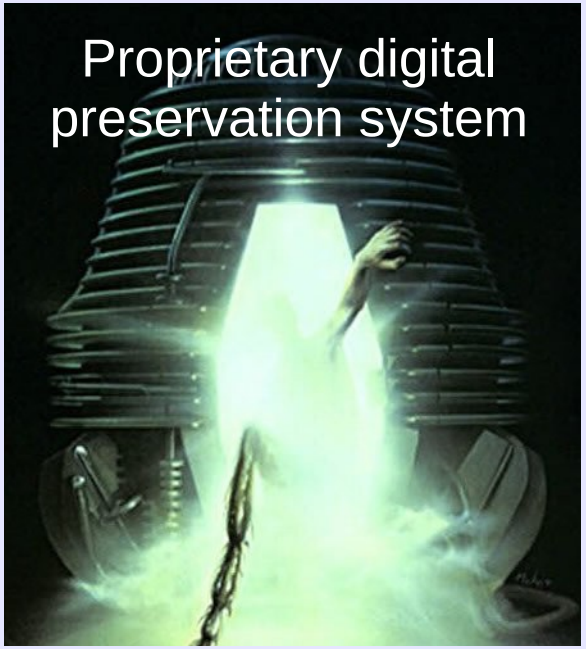
What is Archivematica?

- 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

archivematica®

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

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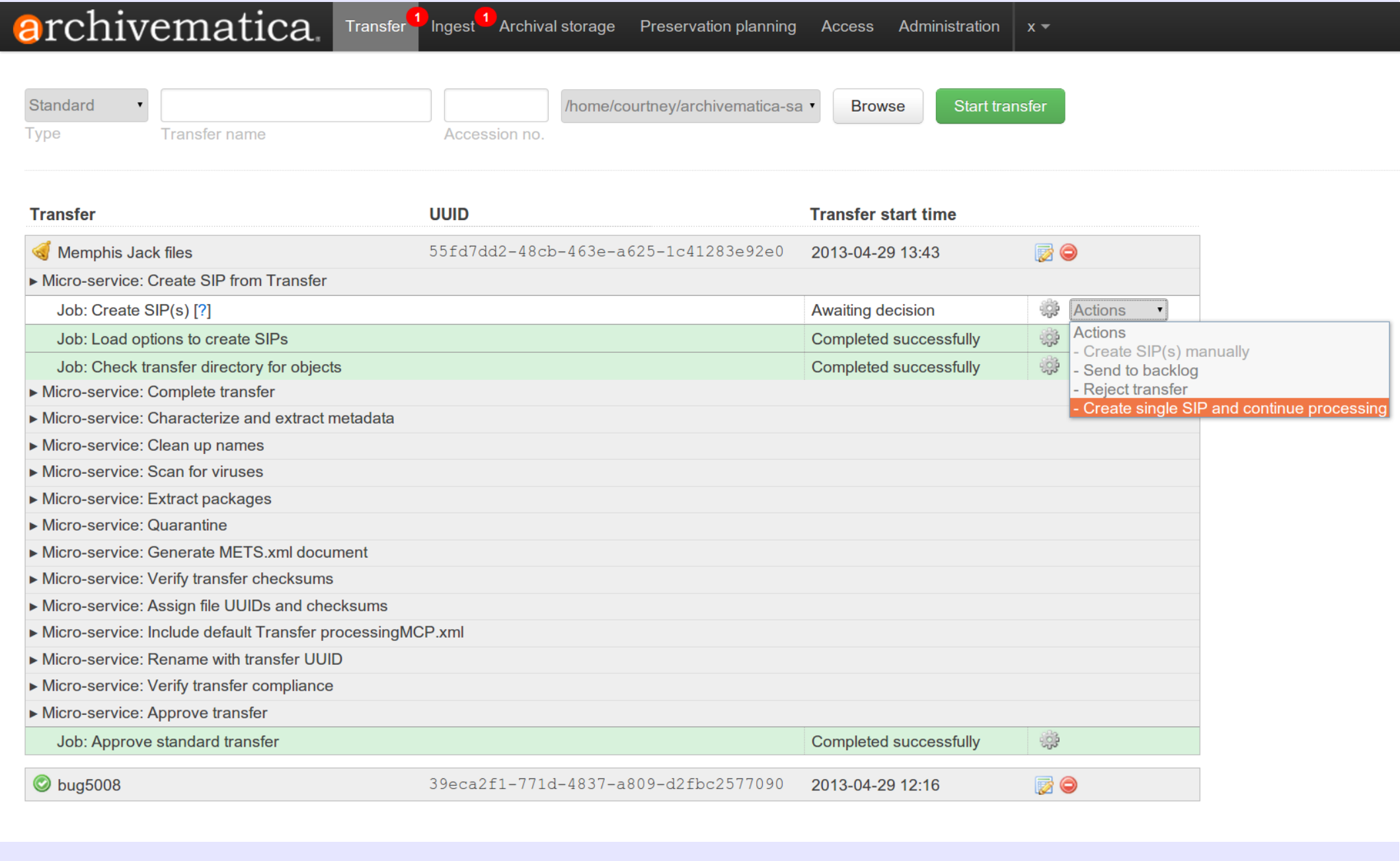
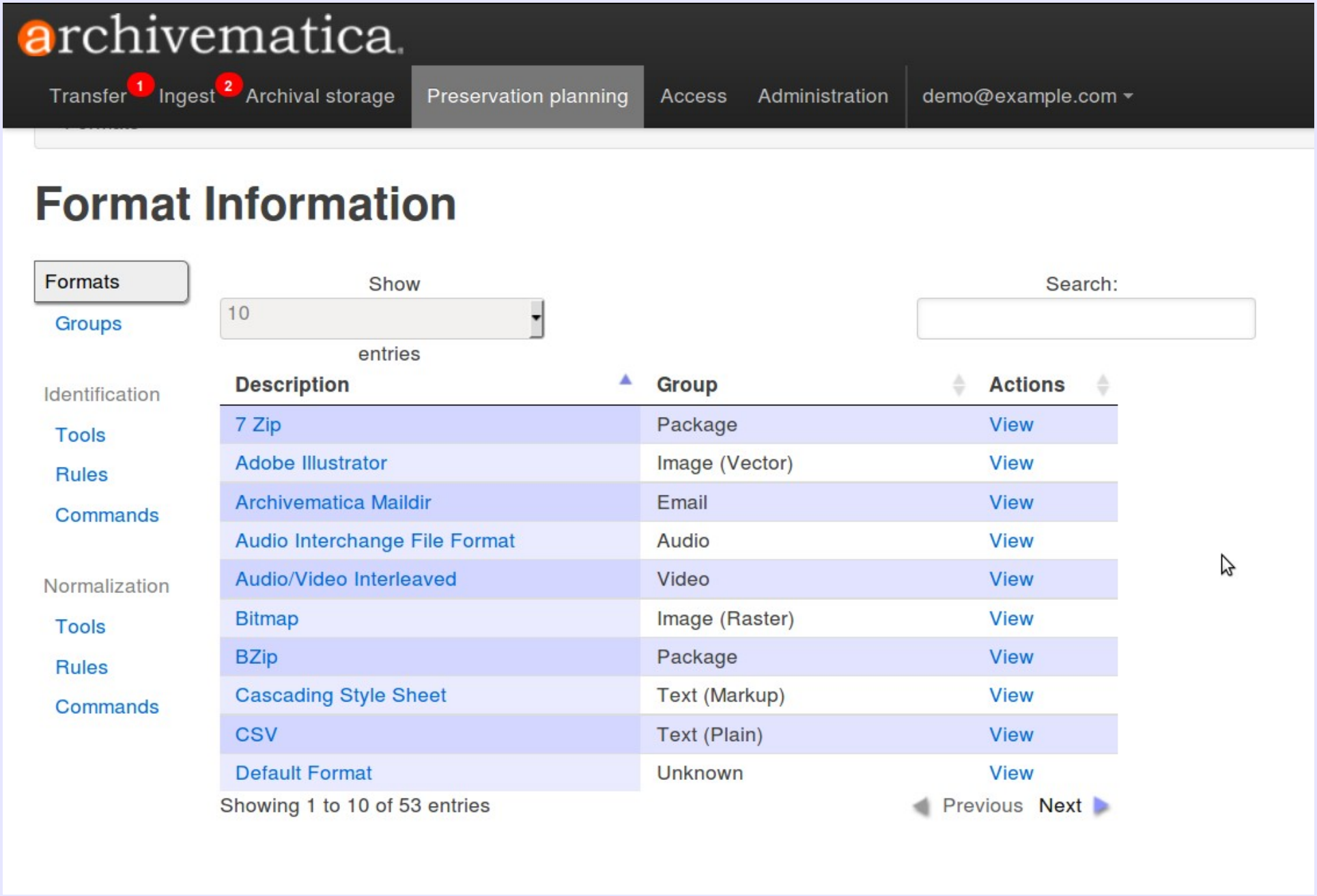
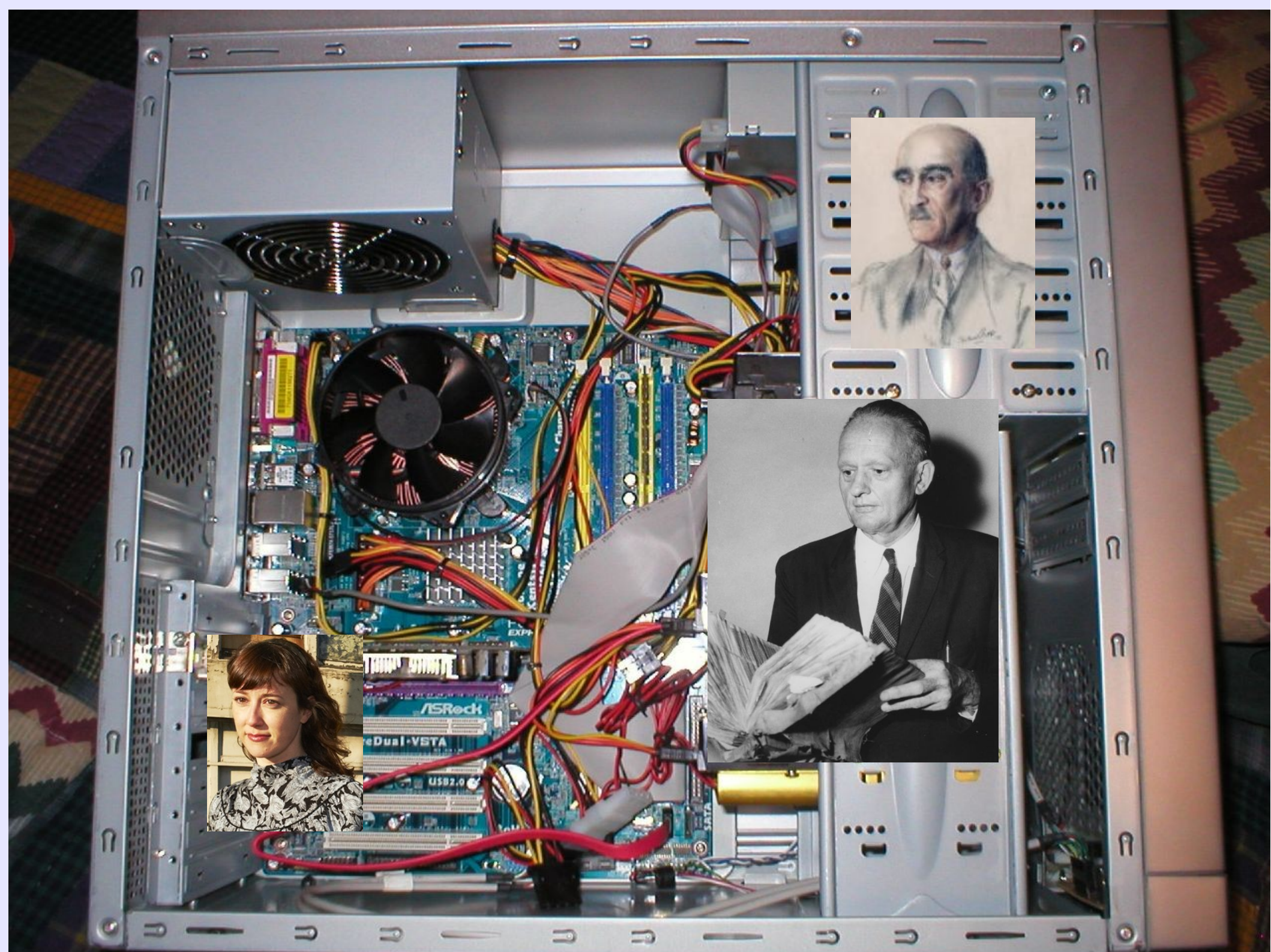
Web-based dashboard



Format Policy Registry




ASRock
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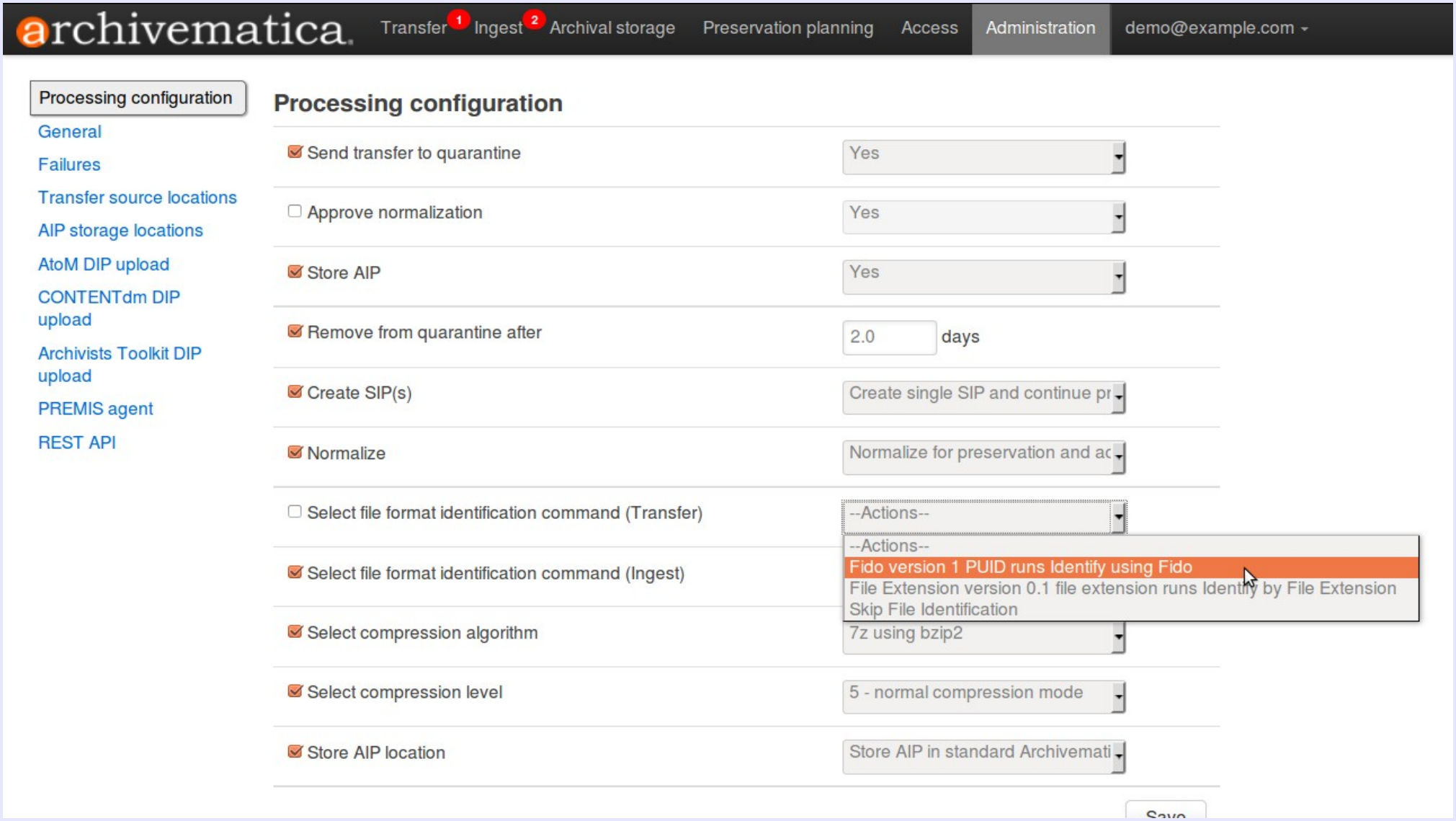
USB2.0
SATA

Flexible workflows



Flexible ingest

Templates for adding basic Dublic 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 Archivematica AIP
archivematica.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

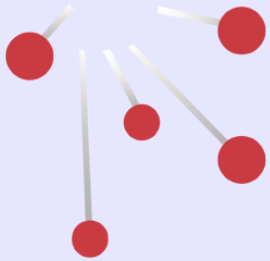
<rightsMD>

PREMIS: rights

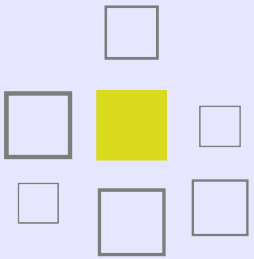
<fileSec> (a list of the files and their roles and relationships)

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

Digital Repository Interfaces



Fedora™



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