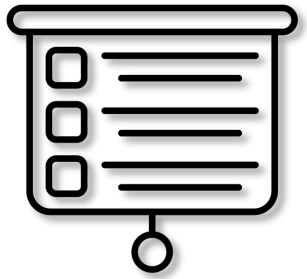
Ohio State's Gray Repo...

...Where we've been and where we are going...

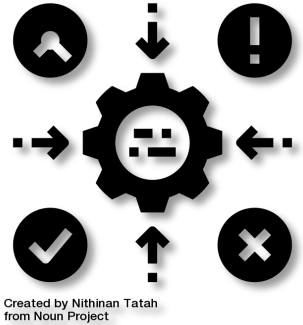
Background



Created by SAM Designs from Noun Project

- Existing digital preservation repos not built to handle records at scale
- Developers wanted to experiment with working
  - with Fedora 6
  - In AWS
- Initial user University Archives
- Replacement for so-called “Dark Archive”
- Concept to implementation
  - Summer 2021 ➔ January 2024
- Implementation and new considerations
  - January 2024 ➔

Context

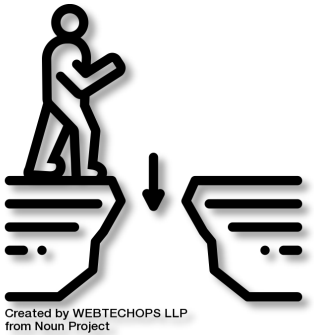


- Gray allows for curatorial deposit and retrieval, but no direct patron access.
- It is a "dim digital preservation archive“ as opposed to a "light archive" which provides public access, or a "dark archive" which only allows custodial access.
- It is much more akin to a physical archival storage facility, where items are
  - stored on shelves in a environmentally regulated and well managed manner
  - appropriately described in conformance with accepted standards
  - while the public and unvetted personnel are not allowed to wander the stacks

Gaps Addressed

DigitalPreservationCoalition

Community Owned Workflows



Provides University Libraries a formalized path to preservation for:

- born digital content
- born digital content that is temporally restricted
- digitized preservation files for content that resides in other Libraries repositories, such as the Knowledge Bank (DSpace), the Internet Archive and possibly Digital Collections (light archive; Fedora/Samvera)
- digitized content with rights/access restrictions

OAIS: AIP

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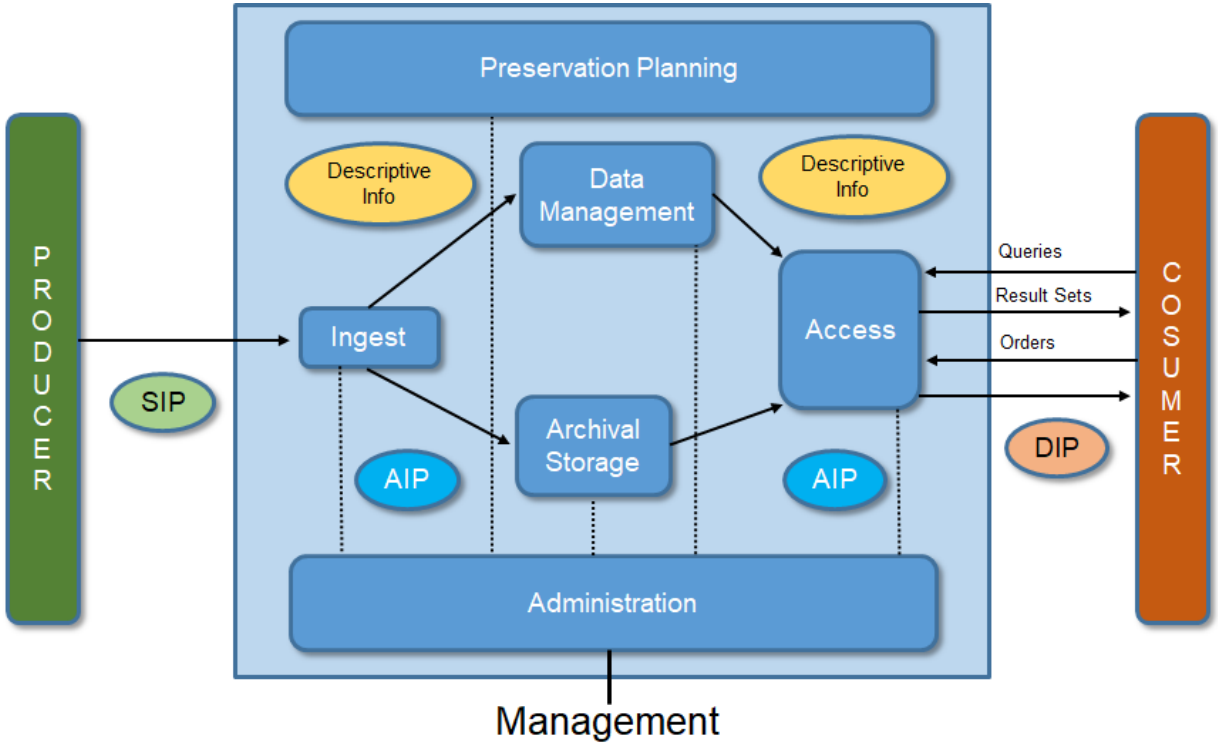
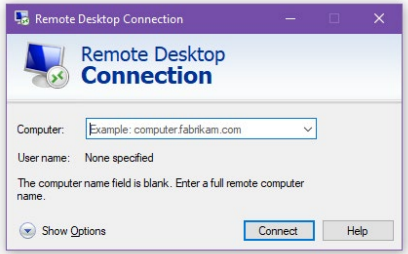
Community Owned Workflows



Components



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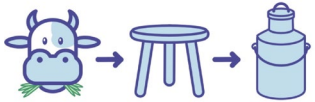
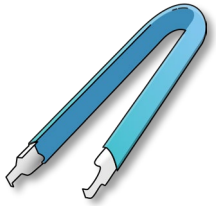


Microsoft Lists

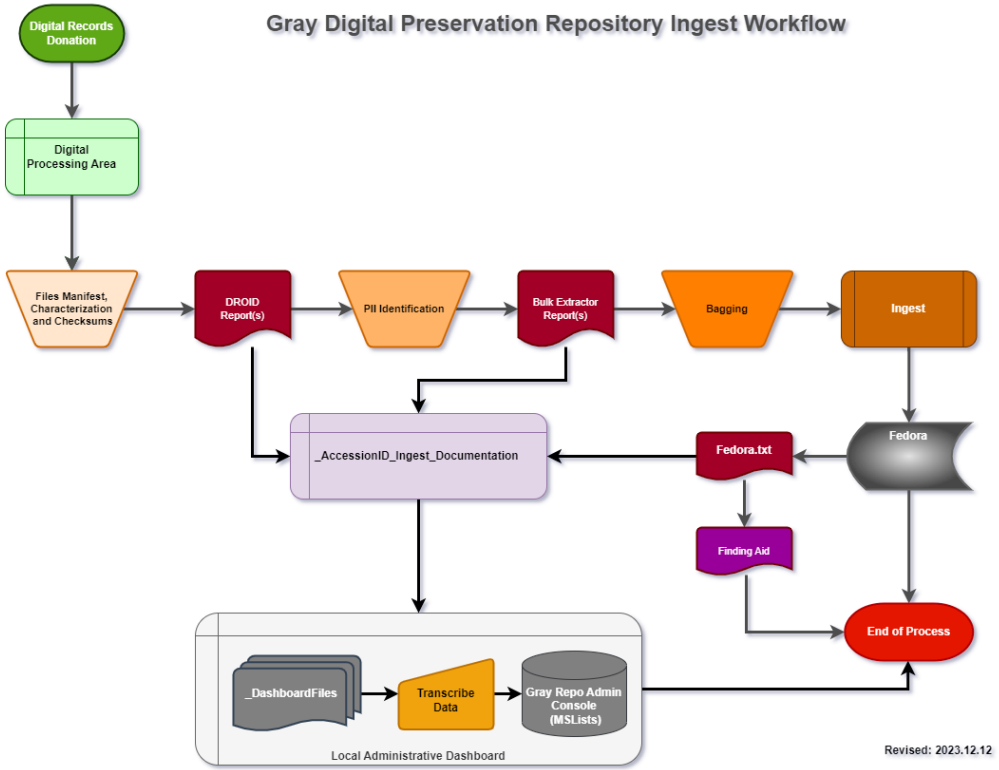
archivists' toolkit
for archivists by archivists



Fedora™

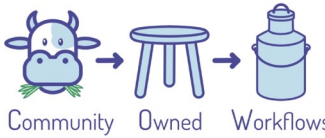
aws

Workflow


Gray Digital Preservation Repository Ingest Workflow
Digital Records Donation
Digital Processing Area
Files Manifest, Characterization and Checksums
DROID Report(s)
PII Identification
Bulk Extractor Report(s)
Bagging
Ingest
_AccessionID_Ingest_Documentation
Fedora.txt
Fedora
Finding Aid
End of Process
_DashboardFiles
Transcribe Data
Gray Repo Admin Console (MSLists)
Local Administrative Dashboard
Revised: 2023.12.12

Retrieval

DigitalPreservationCoalition



https://library.osu.edu/grayrepo/

Fedora 6 Inventory

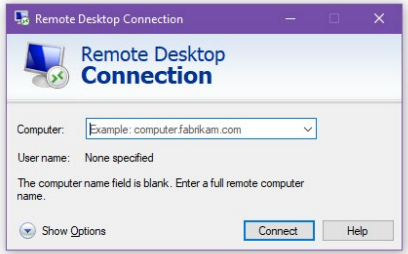
File	Fedora ID	Ingested Date	Ingested Time	Checksum	Ingested	Ingesting...
UA_RG_3_PUB_AnnualReport_1901_1903/UA_RG_3_PUB_AnnualReport_1901_1903_bag.zip	486b577d-42b9-407e-aca7-ba53e39419b2	December 16 2024	8:06 PM	urn:sha-256:e03efe92638db7d66580f2d5d9ba3329749b51ce404308a2bc998b011757d796	✔	
UA_RG_3_PUB_AnnualReport_1899_1901/UA_RG_3_PUB_AnnualReport_1899_1901_bag.zip	2da26240-57ee-4d01-8e67-3995b7854bac	December 16 2024	7:50 PM	urn:sha-256:be43f464bdd3b9788ad8c8d77299f73ca7ac2797b7bbeb826830e7ac6c7295cf	✔	
UA_RG_3_PUB_AnnualReport_1897_1899/UA_RG_3_PUB_AnnualReport_1897_1899_bag.zip	174ef478-a155-4488-9588-d414da9cae5c	December 16 2024	7:35 PM	urn:sha-256:9dfa846720ab2bc0fa7d19343d1c7dfd3231194dd9b9bbbd36e6df2d4c575349	✔	
UA_RG_3_PUB_AnnualReport_1891_1893/UA_RG_3_PUB_AnnualReport_1891_1893_bag.zip	d692c000-c3ea-40fb-aee3-bc364c578db8	December 16 2024	7:11 PM	urn:sha-256:fbdd7268ab1084d31ce597c5bade276107d45ade3567d566b1e63af07d375314	✔	
UA_RG_3_PUB_AnnualReport_1887_18	c209d551-423e-4075-952e-	December 12 2024	4:29 PM	urn:sha-256:b6db99bf5c5e7dff61c65	✔	

https://library.osu.edu/grayrepo/2da26240-57ee-4d01-8e67-3995b7854bac

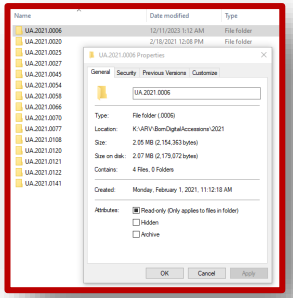
2da26240-57ee-4d01-8e67-3995b7854bac Highlight All Match Case Match Diacritics Whole Words 1 of 1 match

Components

VPN
Created by sentya irma
from Noun Project


Remote Desktop Connection
Remote Desktop
Connection
Computer:
Example: computer.fabrikam.com
User name:
None specified
The computer name field is blank. Enter a full remote computer name.
Show Options
Connect
Help

Digital
Record
Object
Identification
Loading...



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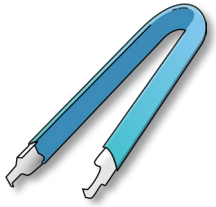
Microsoft Lists

LIBRARY OF CONGRESS
BAGGER
Supporting BagIt Library Version 4.4

archivists'
toolkit
for archivists by archivists

ABBYY
FineReader

Quick
PDF-OCR



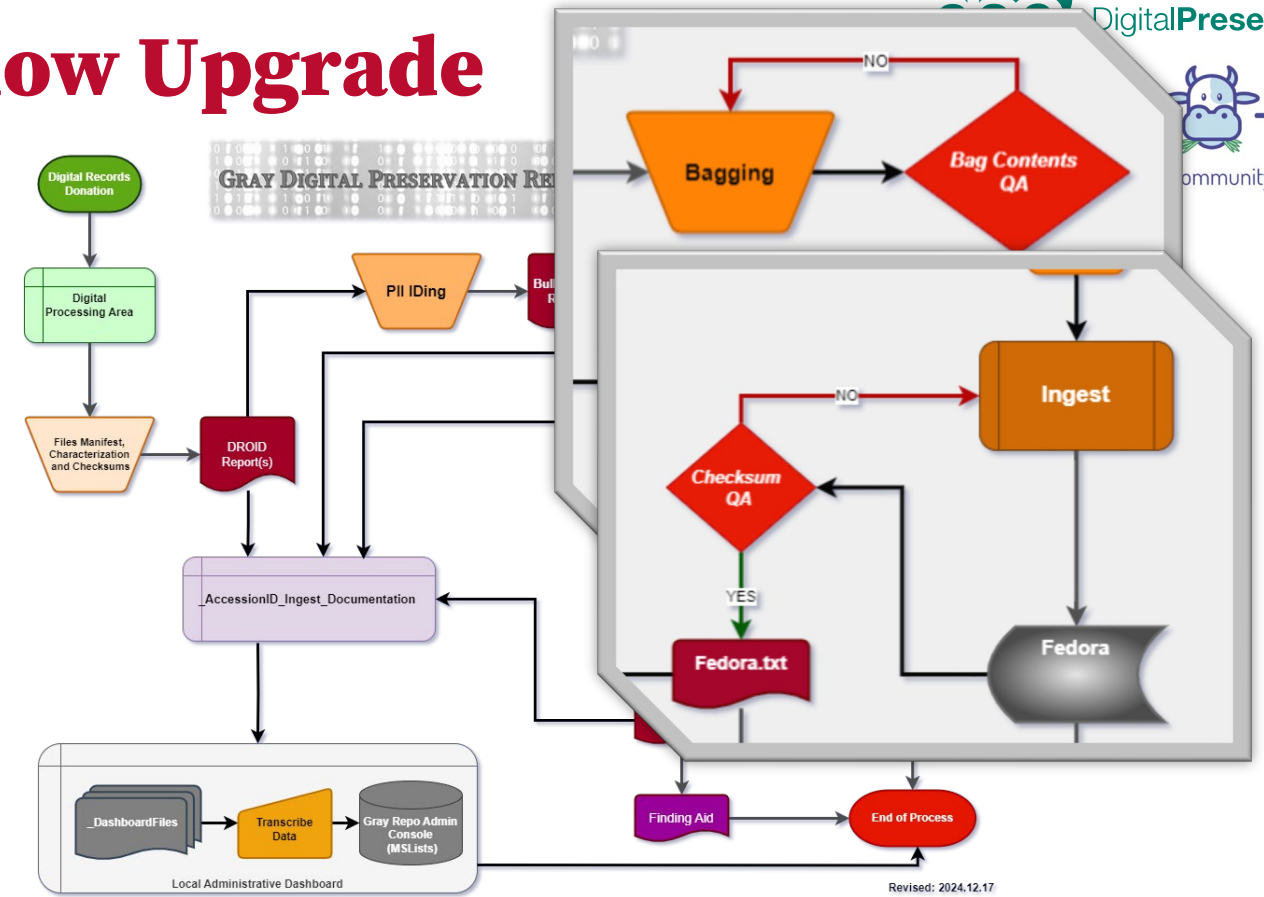
Fedora™

aws

Workflow Upgrade

DigitalPreservationCoalition

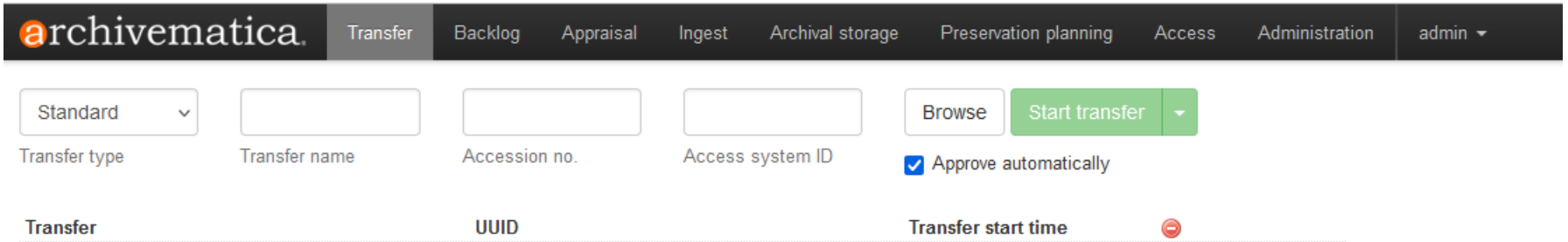
Community Owned Workflows



Workflow Revisited: Archivematica…

DigitalPreservationCoalition

Community Owned Workflows

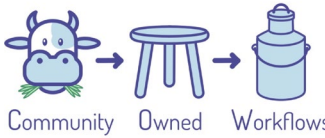


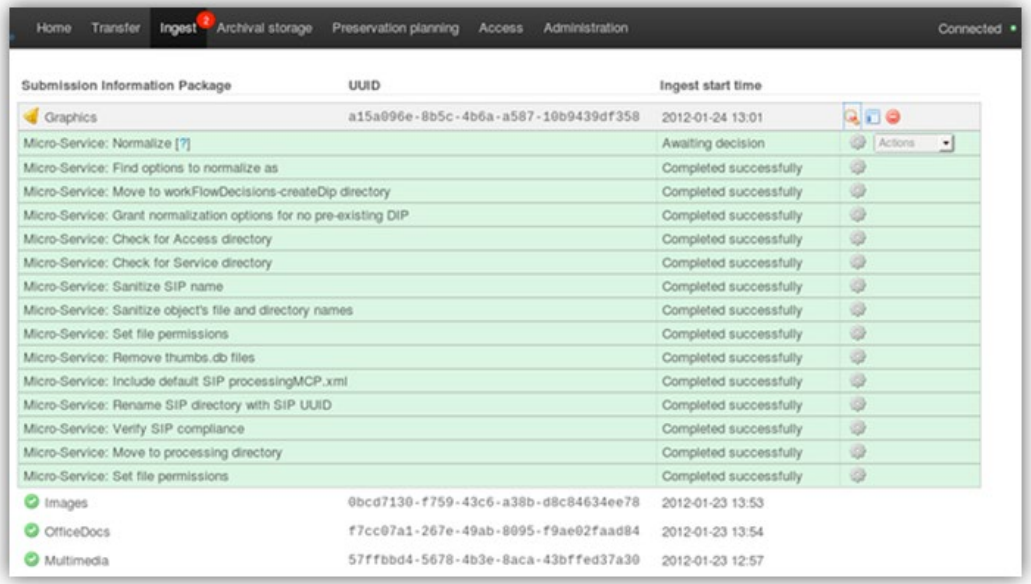
The Ohio State University
University Libraries

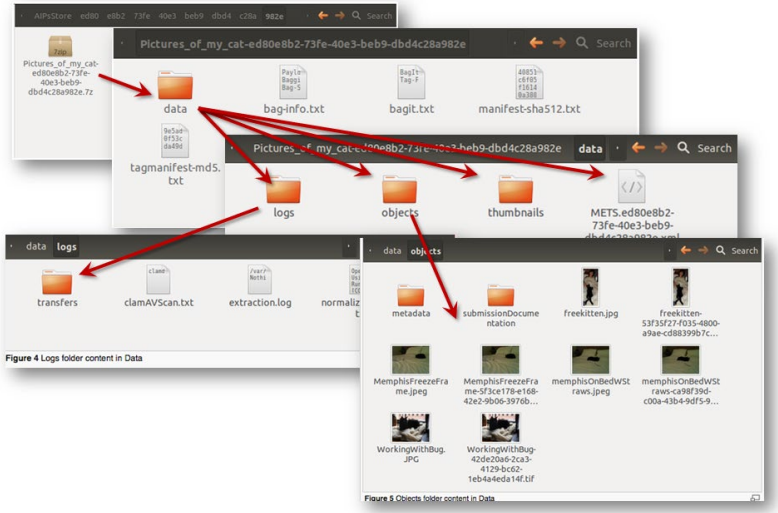
archivematica

Workflow Revisited: Archivematica…

DigitalPreservationCoalition

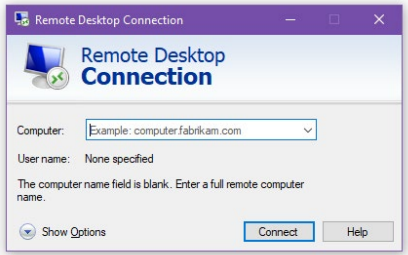






archivematica

Components: Potentially



BagIt	FFmpeg	Imagemagick	NFS-common	Tesseract
bulk_extractor	fido	Inkscape	p7zip	Ubuntu Linux
ClamAV	File Information	JHOVE	Python-lxml	UUID
Django	Tool Set (FITS)	MediaConch	rsync	unar
ElasticSearch	Gearman	MediaInfo	Siegfried	
ExifTool	Ghostscript	Nailgun	Sleuthkit	

Contact Info

DigitalPreservationCoalition

Community Owned Workflows

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