

End-to-end digital preservation system handling ingestion, storage, access, and integrity verification for decades-long retention.

What I delivered:

- built the complete pipeline end to end
- involved in design discussions
- advocated to technical and non-technical stakeholders, community outreach
- collaborated other institutions and open source developers
- dev, test and production environments

Requirements:

- user needs to be able to create AIPs
- user needs to be able to generate metadata
- user needs to be able to check preserved content
- content needs many, regular back ups
- sensitive documents must be safe to access
- budget constraints -- design around open source and existing system
- multiple long term storage locations
- fixity checking and reassurance, we prevent issues like bit rot
- an easy user flow to ingest content
- automation features

