



PAWN: Producer-Archive Workflow Network

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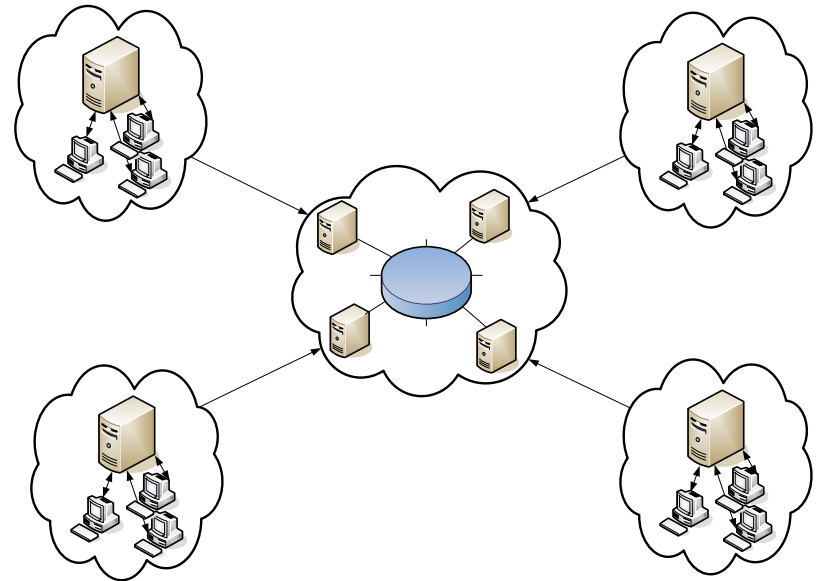


What is PAWN?

- Software that provides an ingestion framework
- Distributed and secure ingestion of digital objects into an archive.
- Handles the process
 - From package assembly
 - To archival storage
- Simple interface for end-users
- Flexible interface for archive managers
- Designed for use in multiple contexts

Distributed Ingestion

- Multiple producing sites with different requirements.
- Separation of administrative responsibility.
- Customizable roles for various parties.
- Scalable infrastructure.





Overall Organization

- Producers organized into domains, each domain containing a record schedule negotiated with the archive.
- Each domain contains a hierarchy of the types of data and record sets (convenient groupings from the record schedule).
- An end-user operates within a domain with record sets associated with the account.



Package Workflow Overview

1. Manager creates Record Sets
2. Client creates and submits package in accordance with Record Set.
3. Packages can be reviewed and rejected.
4. Once approved, packages can be archived
5. Rejected packages can be held until rectified or deleted for a resubmission
6. Audit trail tracks all workflow steps

Test Case - SLAC Records

The 'Packages' window displays a table of records with the following data:

User	Date	Record Set	Description	Status
slac:jean	2006-07-19	SLD Experiment Case File	SLD Committee Reports fro...	Received
slac:jean	2006-07-19	SLD Experiment Case File	SLD Committee Reports fro...	Received
slac:jean	2006-07-19	SLD Experiment Case File	SLC Committee Reports fro...	Received

Filter Packages: Received Locked Removed

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The 'Modify Record Set' dialog box shows the following configuration:

- Record Set Name: SLD Experiment Case File
- Categories: Level I R&D Project Case Files (1.A.1)
- Notes: Experiment personnel administration includes list of SLD Institutes, Collaborators list, Mug-shot gallery; Communications includes general news and the bulletin board; Committee Reports includes Committee reports

The tree view on the right shows the following structure:

- Schedules
 - DOE Research and Development Records
 - Research and Development Project Records (1)
 - R&D Project Case Files (1.A)
 - R&D Record Series (1.B)
 - Administrative Records (1.B.1)
 - Financial Documents (1.B.2)
 - Contractual and Procurement Documents (1.B.3)
 - Quality Assurance Documents (1.B.4)
 - Design Documentation (1.B.6)
 - Basic Data Sheets (1.B.7)
 - Computer Code Documentation (1.B.8)
 - Technical Documents (1.B.9)
 - Supporting Technical Information (1.B.10)
 - Preliminary sketches, drawings, specifications, and Raw Data in Various Formats (1.B.12)
 - Evaluated or summarized data (1.B.13)
 - Controlled notebooks (1.B.14)
 - Technical Progress Reports (1.B.15)
 - Research and Development Program Management Records
 - R&D Program Planning Records (2.A)
 - Records maintained by DOE Headquarters, Director
 - Records maintained by each Laboratory, Director



More information

- Web site:
 - <http://www.umiacs.umd.edu/research/adapt>
- Or “I’m feeling lucky” Google keywords:
 - ADAPT UMIACS