



PAWN: Producer-Archive Workflow Network

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Ingestion Process

- Producer: An organization or entity that creates records to be archived
- Record selection
- Package creation
- Transmission
- Validation
- Approval or rejection of package contents
- Storage into archival system



What is PAWN?

- Software that provides an ingestion framework
- 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



Administration Overview

- Organizational hierarchy
- Record schedules
- User roles
- User accounts
- Record sets
- Authorize users
- Approve or reject submissions
- Push approved data to archival system



Organization hierarchy

- Domains: Logical unit of administration and delegation
- Domain contains its own set of:
 - Producers
 - Record schedules
 - Record sets
 - Managers
- Each producer belongs to a domain.
- Each manager controls actions within a specific domain.
- Domains can contain additional subdivisions



Example

- Domain: Department of Agriculture
 - Division: Economic Research Service
 - Division: Agricultural Marketing Service
- Division: Department of Defense
 - Domain: Defense Logistics Agency
 - Domain: Department of the Navy



Record Schedules

- List of disposition authorities
- Contents of packages map to an authority
- Example:
 - USGS
 - Geospatial, Cartographic, Remote Sensing...
 - Authority: Data Layers by USGS (1201-01c)
 - Authority: Documentation (1201-01e)



User Roles

- Determines availability of services
 - Create record schedules?
 - Create users?
 - View packages?
 - Reject or approve packages?
 - Submit packages?
- Administrator, Records Creator, Records Liaison Officer, Records Manager



Record Sets

- Producers are presented with record sets
- Logical archive units
- Map producer-friendly categories to archive-friendly disposition authorities
- Record set has a group of allowed users



Example

- Record Set: Avian Point Counts
 - Category: Tabular Data
 - Maps to: Data Layers by USGS (1201-01c)
 - Category: Vector Data
 - Maps to: Data Layers by USGS (1201-01c)
 - Category: FGDC Metadata
 - Maps to: Documentation (1201-01e)



Producer Workflow Overview

- Stage required data
- Select record set
- Use builder to assemble package
- Submit package to archive



Package Builders

- Different builders can be used for different data
- Default builder provided
- Customized builders could:
 - Automatically identify metadata
 - Convert data or metadata
 - Automatically structure data
- Example: ICDL Book builder



Package Workflow Overview

- Manager views list of packages
- Newly received packages need approval
- Once approved, packages can be archived
- Rejected packages can be held until rectified or deleted for a resubmission
- Audit trail tracks all workflow steps



More information

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