Squire - A simple and efficient ingest tool for Institutional Repositories that uses Fedora Commons.

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Background Information

SQUIRE, developed in 2008, was created by programmers working within the repository space. It was inspired by the VTLS product called VALET and was funded by the ARROW project. The original goal of the project was to port VALET to Java whilst adding new features along the way.

User Interface (Web Browser)

Allows the user to submit, review and modify new objects destined for the Fedora based Repository. As well as add and remove files per object and browse all objects.

Round Trip Functionality

Allows the user to edit an already submitted object. When an object is selected for editing, the correct submission form is dynamically loaded and populated with the original form data and uploaded files.

Customisation

Create customised submission forms. Create customised XSL transformations. Simple configuration file, made possible by using convention over configuration principle.

Implementation

Squire is able to be deployed by simply copying a single Java archive file into the servlet container that ships with Fedora Commons. This compatibility prevents the need to run separate servers or server processes for the repository software and ingest tool.

Future Development

Compatibility with Fedora Commons 3.0 (currently compatible with Fedora Commons 2.2)

User Interface/Web Browser

- User logs in
- User add new objects
- User completes form
- User uploads files

- User browses objects
- User edits objects
- User edits form data and uploaded files
- User approves objects

Squire

- Manages objects, form data and uploaded files.
- Converts form data to XML standards
- Detects form type
- Populates original form
- Deploys in standard Fedora Tomcat directory

Form Data. Uploaded Files

Form Data. Uploaded Files

Dynamically Transformed Metadata. Uploaded files. Original Form Data.

Fedora API

Fedora Commons