

Sprint 3 Feedback - Esmé Cowles

- [Test Environment](#)
 - [Composition of Resources](#)
 - [Initialization](#)
- [Test 0 - Initial Export](#)
 - [Test 0 Conclusions](#)
- [Test 1 - Export With External Content](#)
 - [Test 1 Conclusions](#)

Test Environment

- Operating System: MacOS 10.12.2
- Java Version: Oracle Java 1.8.0_60
- Integrated With: Plum, see branch [grocer](#) and [Grocer](#) (Rails engine for exporting content from Hydra using the import/export utility)

Composition of Resources

- Small-scale testing with a handful of resources. Each resource consists of:
 - A `pcdm:Object` with a members container, with proxies linking to 1-5 FileSets
 - Each FileSet contains a files container, with a TIFF image and a JP2 image
 - The files are stored outside of Fedora and linked to using External Content

Initialization

1. Start Rails, Solr and Fedora using the Rake task:

```
bundle exec rake hydra:server
```

Resulting java command:

```
java -Dfcrepo.log.http.api=WARN -Dfcrepo.log.kernel=ERROR \
-Dfcrepo.home=tmp/fcrepo4-development-data \
-Dfcrepo.spring.jms.configuration=file:///.../spring-noop.xml \
-jar .../fcrepo-webapp-4.7.0-jetty-console.jar \
-Xmx512m --headless --port 8984
```

2. Create resources using Plum, attaching and ordering files.
3. Download [0.1.0 import/export jar](#)
 - a. Create the directory `plum/tmp/export` and put `export.jar` in that directory.
4. Create sample Bag metadata config file:
 - a. Create the file `plum/tmp/export/metadata.yml`:

```
bag-info.txt:
Source-Organization: Princeton University Library
Organization-Address: One Washington Road, Princeton, NJ 08544-2098 USA
Contact-Name: Esme Cowles
Contact-Phone: +16092581470
Contact-Email: escowles@princeton.edu
```

Test 0 - Initial Export

1. Advance an object into the Metadata Review workflow state, and the object should be exported by a background job.

Test 0 Conclusions

1. Metadata was exported, but external content was not retrieved.
2. I updated the import-export utility to have an option to retrieve external content instead of creating placeholders for it (see <https://github.com/fcrepo4-labs/fcrepo-import-export/pull/74>).

Test 1 - Export With External Content

1. Repeated Test 0, using an `export.jar` file built from the master branch after #74 was merged.

Test 1 Conclusions

1. Metadata and external content were both exported.