

Release Testing - 6.4.0

Please note that instances of <version> on this testing page should be replaced with <release number>-RC-<release candidate number>, where release number is the semantic version at the top of this page and release candidate number is the release candidate you are testing.

i.e. 6.3.1-RC-2, 6.4.0-RC-1, etc

Issues Discovered:

Testing Tickets

External Projects

Samvera ([instructions](#))

| Project | Tested by | Success? RC-1 | Success? RC-2 | | Notes |
|--------------------------|-----------|---------------|---------------|--|-------|
| valkyrie | | | | | |

Islandora ([testing ticket](#))

| Project | Tested by | Success? RC-1 | Success? RC-2 | | Notes |
|-----------|-----------|---------------|---------------|--|-------|
| Islandora | | | | | |

Testing Plan

```
git clone https://github.com/fcrepo/fcrepo
cd fcrepo
git checkout fcrepo-<version> # or pull pre-built resources from https://github.com/fcrepo/fcrepo/releases/tag/fcrepo-<version>
mvn install # to build everything so Fedora is ready to run during API testing
```

API-Test Suite

1. Start Fedora with the following command

```
mvn jetty:run -Dfcrepo.external.content.allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ -Dfcrepo.cache.webac.acl.timeout.minutes=0 -pl fcrepo-webapp/
```

2. Run the API-Test suite (which you can clone/build from <https://github.com/fcrepo/Fedora-API-Test-Suite>) with the following command

```
java -jar target/testsuite-1.0-SNAPSHOT-shaded.jar -c config-local.yml
```

- a. Where "config-local.yml" is something like the following (for use with the mvn jetty:run command)

```

default:
  rooturl: http://localhost:8080/rest/
  root-controller-user-webid: http://example.com/fedoraAdmin
  root-controller-user-name: fedoraAdmin
  root-controller-user-password: fedoraAdmin
  permissionless-user-webid: http://example.com/testuser
  permissionless-user-name: testuser
  permissionless-user-password: testpass
  broker-url: tcp://127.0.0.1:61616
  topic-name: fedora
  queue-name:
  implementation-name: Fedora
  implementation-version: <version>

```

| Platform | Test Suite Version | Tested by | Results RC-1 (#pass,fail,skip) | Results RC-2 (pass,fail, skip) | Notes |
|--------------|--------------------|---------------------------------|--|--------------------------------|---|
| Linux | 5eca0de3 | Demian Katz | Total tests run: 241, Failures: 1, Skips: 28 | | I used Ubuntu 20.04 LTS for my testing. |
| Linux | 5eca0de3 | Thomas Bernhart | Total tests run: 241, Failures: 1, Skips: 28 | | Fedora 37, OpenJDK 11.0.12 (Maven: 3.8.2) |
| OSX | 5eca0de3 | Jared Whiklo | Total tests run: 241, Failures: 1, Skips: 28 | | |
| OSX M1 or M2 | 5eca0de3 | Andreas Nef | Total tests run: 241, Failures: 1, Skips: 28 | | On M1 with macOS 12.6.3 |

One-Click Run

```
cd fcrepo-webapp; mvn clean install -Pone-click
```

| Command | Platform | Tested By | RC-1 | RC-2 | Notes |
|--|----------|------------------------------|------|------|-------|
| java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar | Linux | Demian Katz | ✓ | | |
| java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar | Mac | Jared Whiklo | ✓ | | |
| java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar | Mac M1 | Andreas Nef | ✓ | | |
| java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar | Windows | | | | |

Docker

```

docker run -p8080:8080 -v /path/to/fedora_home:/fedora_home -v /path/to/fcrepo.properties:/fcrepo.properties -e CATALINA_OPTS="-Dfcrepo.config.file=/fcrepo.properties" --name=fcrepo-test fcrepo/fcrepo:<version>

```

| Platform | Tested By | RC-1 | RC-2 | Notes |
|----------|---------------------------------|------|------|---|
| Linux | Thomas Bernhart | ✓ | | Results of the API test suite: Total tests run: 241, Failures: 74, Skips: 27 |
| Mac | Jared Whiklo | ✓ | | |
| Windows | | | | |

Performance and Scalability Tests

Ensure that the UI is performant with 2 million resources

| Database | Tested By | RC-1 | RC-2 |
|------------|-----------|------|------|
| postgresql | | | |
| mariadb | | | |
| mysql | | | |

Manual Tests

All of the below should take place in the HTML UI.

1. Create nested containers
2. Create binary resources
3. Run fixity on binary
4. Update Properties: Perform SPARQL-Update on container
5. Update Properties: Perform SPARQL-Update on binary
6. Delete container
7. Delete binary
8. Create versions
9. View versions
10. View Stats Endpoint

| Platform | Tested by | Success? RC-1 | Success? RC-2 | Notes |
|----------|--------------|---------------|---------------|-------|
| Mac | Jared Whiklo | ✓ | | |
| Mac M1 | Andreas Nef | ✓ | | |
| Linux | | | | |
| Windows | | | | |

External Content

Create and verify all three modes of external content handling: proxy, redirect, copy

```
#Proxy
curl -i -H"Link: <file:///local/file/storage/photo.png>; rel=\"http://fedora.info/definitions/fcrepo#ExternalContent\"; handling=\"proxy\"; type=\"image/png\"\" -XPUT -ufedoraAdmin:fedoraAdmin http://localhost:8080/rest/test_proxy_local_file
```

```
#verify that the binary is returned.
curl -i -u fedoraAdmin:fedoraAdmin -XGET -ufedoraAdmin:fedoraAdmin http://localhost:8080/rest/test_proxy_local_file
```

```
#remove the file one disk, repeat the previous command and verify that an error code is returned.
```

```
#Redirect
curl -i -H"Link: <https://duraspace.org/wp-content/themes/duraspace/assets/images/fedora/fedora-logo-black.png>; rel=\"http://fedora.info/definitions/fcrepo#ExternalContent\"; handling=\"redirect\"; type=\"image/png\"\" -XPUT -ufedoraAdmin:fedoraAdmin http://localhost:8080/rest/test_redirect_remote_file
```

```
#Get the file and verify a 307 is returned
curl -i -ufedoraAdmin:fedoraAdmin http://localhost:8080/rest/test_redirect_remote_file
```

| Handling (proxy,redirect,copy) | Platform | Tested by | Success? RC-1 | Success? RC-2 | Notes |
|--------------------------------|----------|-----------------------------|---------------|---------------|-------|
| proxy, redirect | Mac | Andreas Nef | ✓ | | |
| | | | | | |
| | | | | | |

Resources

[1] [Testing scripts](#)