



Release Testing - 6.2.0

Issues Discovered:

 **FCREPO-3826** - Search: Total Result count is incorrect CLOSED

 **FCREPO-3824** - Attempting to delete a memento results in a 409 Conflict instead of a 405 Method Not Allowed CLOSED

 **FCREPO-3825** - Timemap has incorrect ACL link header CLOSED

 **FCREPO-3829** - Transaction in HTML UI no longer operate CLOSED


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 8	Jared Whiklo				Tested in islandora-playbook

Testing Plan

```
git clone https://github.com/fcrepo/fcrepo
cd fcrepo
git checkout fcrepo-6.2.0-RC-<N> # or pull pre-built resources from https://github.com/fcrepo/fcrepo/releases/tag/fcrepo-6.2.0-RC-<N>
```

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 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

```
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: 6.0.0-RC-2 tomcat:
  rooturl: http://localhost:8080/fcrepo/rest/
  root-controller-user-webid: http://example.com/fedoraAdmin
  root-controller-user-name: fedoraAdmin
  root-controller-user-password: secret3
  permissionless-user-webid: http://example.com/testuser
  permissionless-user-name: testuser
  permissionless-user-password: password1
  broker-url: tcp://127.0.0.1:61616
  topic-name: fedora
  queue-name:
  implementation-name: Fedora
  implementation-version: 6.2.0-RC-1
```

Platform	Test Suite Version	Tested by	Results RC-1 (#pass,fail,skip)	Results RC-2 (pass,fail,skip)	Notes
Linux					
Ubuntu					
OSX	5eca0de	Jared Whiklo		Total tests run: 241, Failures: 1, Skips: 28	

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				
java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	Mac	Joshua Westgard		✔	Message on startup: "class org.simplericity.jettyconsole.JettyConsole cannot access class com.apple.eio.Filemanager (in module java.desktop) because module java.desktop does not export com.apple.eio to unnamed module \@33e5ccce" – does not seem to negatively affect application
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:6.0.0-RC-2
```

Command	Platform	Tested By	RC-1	RC-2	Notes
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java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	Linux				
java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	Mac	Jared Whiklo		✓	
java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	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. Use transactions
9. Create versions
10. View versions
11. View Stats Endpoint

Platform	Tested by	Success? RC-1	Success? RC-2	Notes
Mac	Jared Whiklo		✗	 FCREPO-3829 - Transaction in HTML UI no longer operate CLOSED the transaction functions will be removed from the HTML UI for the time being.
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	Jared Whiklo		✓	

Resources

[1] [Testing scripts](#)

[2] [Fedora 4 Release Test Suite](#)