


# Release Testing - 6.3.0


## Issues Discovered:

The build is failing due to what appear to be changes to the github actions environment.  fixed [here](#)

## Testing Tickets

## External Projects

Samvera ([instructions](#))

Project	Tested by	Success? RC-1	Success? RC-2		Notes
<a href="#">valkyrie</a>	<a href="#">Trey Pendragon</a>				

Islandora ([testing ticket](#))

Project	Tested by	Success? RC-1	Success? RC-2		Notes
Islandora	<a href="#">Jared Whiklo</a>				

## Testing Plan

```
git clone https://github.com/fcrepo/fcrepo
cd fcrepo
git checkout fcrepo-6.3.0-RC-<N> # or pull pre-built resources from https://github.com/fcrepo/fcrepo/releases/tag/fcrepo-6.3.0-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									
OSX M1 or M2	1.0-SNAPSHOT	Danny Bernstein	===== ===== ===== ===== ===== ===== Fedora API Specification Test Suite Total tests run: 241, Failures: 1, Skips: 28 ===== ===== ===== ===== =====		<table><tr><td><a href="#">4.2.2-C</a></td><td>MAY</td><td>FAIL</td><td>A response to an OPTIONS request may include Allow: DELETE</td></tr></table> <p>Since this is a MAY and Fedora 6.x does not support deleting versions, this is not a problem.</p>	<a href="#">4.2.2-C</a>	MAY	FAIL	A response to an OPTIONS request may include Allow: DELETE
<a href="#">4.2.2-C</a>	MAY	FAIL	A response to an OPTIONS request may include Allow: DELETE						

## 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				
java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	Mac M1	Danny Bernstein	✓		

java -jar fcrepo-webapp-<version>-SNAPSHOT-jetty-console.jar	Windows				
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## 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:6.3.0-RC-1
```

Platform	Tested By	RC-1	RC-2	Notes
Linux	Danny Bernstein	✓		
Mac				
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				
Mac M1	Danny Bernstein	✓		
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				

## Resources

[1] [Testing scripts](#)