

# Release Testing - 4.7.0

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## Testing Blocker Tickets

- RC-1
  - Unable to locate Jira server for this macro. It may be due to Application Link configuration.

## External Projects

### Hydra

Project	Success?
ActiveFedora	✗ See <a href="#">AF#1156</a>
CurationConcerns	✓
Plum	✓
Sufia	✓

### Islandora - ✓

One issue related to this update is in process to be resolved.  
<https://github.com/Islandora-CLAW/CLAW/issues/370>

## Testing Plan

```
git clone https://github.com/fcrepo4/fcrepo4
cd fcrepo4
git checkout 4.7.0-RC
```

### Sanity Builds

Project	Command	Platform	Tested by	Success?	Notes
fcrepo4	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Nick Ruest</a>	✓	Ubuntu 16.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo4	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo4	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13

fcrepo-module-auth-rbac	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-module-auth-rbac	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-module-auth-rbac	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-module-auth-xacml	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-module-auth-xacml	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-module-auth-xacml	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-module-auth-webac	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-module-auth-webac	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-module-auth-webac	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-mint	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-mint	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-mint	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-connector-file	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-connector-file	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-connector-file	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-audit	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-audit	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-audit	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-webapp-plus	mvn clean install	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-webapp-plus	mvn clean install	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Prbac	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-webapp-plus	mvn clean install -Prbac	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Prbac	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-webapp-plus	mvn clean install -Pxacml	mac	<a href="#">Jared Whiklo</a>	✓	
fcrepo-webapp-plus	mvn clean install -Pxacml	windows	<a href="#">Aaron Birkland</a>	✓	Windows 10 (1607) x64; 1.8.0_101-b13cd
fcrepo-webapp-plus	mvn clean install -Pxacml	linux	<a href="#">Jared Whiklo</a>	✓	Ubuntu 14.04 LTS
			<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS
fcrepo-webapp-plus	mvn clean install -Pconnector	mac	<a href="#">Danny Bernstein</a>	✓	OSX 10.10.5
fcrepo-webapp-plus	mvn clean install -Pconnector	Linux	<a href="#">Andrew Woods</a>	✓	Ubuntu 16.04 LTS

## Migration of Existing Repositories

See: [RESTful HTTP API - Backup and Restore](#)

```
# Backup from existing repository
curl -X POST localhost:8080/rest/fcr:backup

# Restore to 4.7.0
curl -X POST -d "/path/to/backup/directory" localhost:8080/rest/fcr:restore
```

Tested by	Platform	From Fedora Version	Number of Resources	Size of Backup (du -h .)	Success?	Notes
<a href="#">Nick Ruest</a>	Ubuntu 16.04.1	4.6.0	?	44M	✓	LUBM_02 dataset
<a href="#">Joshua Westgard</a>	Mac OS 10.11.6 (El Capitan)	4.6.0	~2400	5.2G	✓	Also successfully ran import/export tooling against a 4.7 RC2 repo.
<a href="#">Tricia Jenkins</a>	Centos 6.8	Release: 4.1.0   Build #4a7d6f9e (2015-02-04)	~60	11M	✓	Am working toward a complete set of Hydranorth content (~213218 resources).
<a href="#">Julie Allinson</a>	Mac OS 10.10.5	4.6 (data created in 4.4)	~ 113000 (~ 12GB in data folder)	~ 93MB	✓	No binary files, just metadata in this repo.  "java.sql.BatchUpdateException: Duplicate entry" error. Fixed with backup-fixer.jar  Need to verify all objects restored. Data folder post restore ~ 7GB

## Filesystem Federation

[Test simple federation](#)

Tested by	Platform	Success?	Notes
<a href="#">Andrew Woods</a>	Linux	✓	Success viewing federated files Success adding new files to filesystem and seeing them in Fedora
<a href="#">Jared Whiklo</a>	Mac	✓	Success viewing federated files Success adding new files to filesystem and seeing them in Fedora

## One-Click Run

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

Command	Platform	Tested by	Success?	Notes
java -jar fcrepo-webapp-4.7.0-SNAPSHOT-jetty-console.jar	Linux	<a href="#">Nick Ruest</a>	✓	
java -jar fcrepo-webapp-4.7.0-SNAPSHOT-jetty-console.jar	Mac	<a href="#">Jared Whiklo</a>	✓	
java -jar fcrepo-webapp-4.7.0-SNAPSHOT-jetty-console.jar	Windows	<a href="#">Aaron Birkland</a>	✓	
java -jar fcrepo-webapp-4.7.0-SNAPSHOT-jetty-console.jar	Linux	<a href="#">Andrew Woods</a>	✓	

## 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. Rollback versions

## Database Tests

With Tomcat7 deployment, run above manual tests with alternate backend databases ([Configuring JDBC Object Store](#))

Database	Platform	Tested by	Success?	Notes
MySQL	osx (10.10.5)	<a href="#">Danny Bernstein</a>	✓	
	Ubuntu 14.04	<a href="#">Andy Wagner</a>	✓	10.0.24-MariaDB-1~trusty-wsrep
	Ubuntu 16.04	<a href="#">Andrew Woods</a>	✓	mysql Ver 14.14 Distrib 5.7.16 <ul style="list-style-type: none"> <li>• Success with <a href="#">fcrepo4-tests scripts</a></li> <li>• Success with <a href="https://github.com/yinlinchen/fcrepo4-release-test-suite">https://github.com/yinlinchen/fcrepo4-release-test-suite</a></li> </ul>
PostgreSQL	Ubuntu 14.04	<a href="#">Andy Wagner</a>	✓	Postgresql 9.5

## Vagrant Tests

```
vagrant destroy
vagrant up
```

Test steps	Tested by	Success?	Notes
FEDORA_AUTH=true	<a href="#">Yinlin Chen</a>	✓	4.7.0-RC is passed [2].
FEDORA_AUDIT=true	<a href="#">Nick Ruest</a>	✓	<a href="#">Nick Ruest</a> "==" default: Error executing command: No matching features for fcrepo-camel-ldpath/0.0.0"
FEDORA_AUTH=false	<a href="#">Nick Ruest</a>	✓	<a href="#">Nick Ruest</a> "==" default: Error executing command: No matching features for fcrepo-camel-ldpath/0.0.0"
FEDORA_AUDIT=true	<a href="#">Yinlin Chen</a>	✓	4.7.0-RC c325e30 is passed [2].
FEDORA_AUTH=true	<a href="#">Danny Bernstein</a>	✓	<a href="#">Nick Ruest</a> "==" default: Error executing command: No matching features for fcrepo-camel-ldpath/0.0.0"   All testing scripts pass
FEDORA_AUDIT=false	<a href="#">Nick Ruest</a>	✓	
	<a href="#">Yinlin Chen</a>	✓	
FEDORA_AUTH=false	<a href="#">Andy Wagner</a>	✓	All scripts pass.
FEDORA_AUDIT=false	<a href="#">Yinlin Chen</a>	✓	4.7.0-RC c325e30 is passed [2].

## Manual Tests

Same as above, plus:

1. Verify audit events are in triplestore
2. Verify resources are in triplestore
3. Verify resources are in Solr
4. Verify authorization works for the two auth-enabled configurations
5. Verify reindexing to triplestore works

[1] [Testing scripts](#)

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

Ubuntu 14.04 LTS