

Release Testing - 4.6.0

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Issues Found in Testing

1. In RC-1		
a.	Unable to locate Jira server for this macro. It may be due to Application Link configuration.	- building webapp-plus with -
2. In RC-2		
a.		
b.	Unable to locate Jira server for this macro. It may be due to Application Link configuration.	
3. In RC-3		
a.	Unable to locate Jira server for this macro. It may be due to Application Link configuration.	
4. In RC-4		
a.	Unable to locate Jira server for this macro. It may be due to Application Link configuration.	

Test Artifacts

1. RC-2
 - a. <https://github.com/fcrepo4/fcrepo4/releases/tag/fcrepo-4.6.0-RC-2>
 - b. <https://github.com/fcrepo4-exts/fcrepo-webapp-plus/releases/tag/fcrepo-webapp-plus-4.6.0-RC-2>
 - c. <https://github.com/fcrepo4-exts/fcrepo4-vagrant/releases/tag/fcrepo4-vagrant-4.6.0-RC-2>
2. RC-3
 - a. <https://github.com/fcrepo4/fcrepo4/releases/tag/fcrepo4-4.6.0-RC-3>
 - b. <https://github.com/fcrepo4-exts/fcrepo-webapp-plus/releases/tag/fcrepo-webapp-plus-4.6.0-RC-3>
 - c. vagrant?
3. RC-4
 - a. <https://github.com/fcrepo4/fcrepo4/releases/tag/fcrepo-4.6.0-RC-4>
 - b. <https://github.com/fcrepo4-exts/fcrepo-webapp-plus/releases/tag/fcrepo-webapp-plus-4.6.0-RC-4>
 - c. <https://github.com/fcrepo4-exts/fcrepo4-vagrant/releases/tag/fcrepo4-vagrant-4.6.0-RC-4>

External Projects

- Hydra - [Esmé Cowles](#)
- Islandora - [Nick Ruest](#), [Jared Whiklo](#)

Modules in Release

- fcrepo4
- fcrepo-module-auth-rbac
- fcrepo-module-auth-xacml
- fcrepo-module-auth-webac
- fcrepo-mint
- fcrepo-transform
- fcrepo-audit
- fcrepo-webapp-plus
- fcrepo4-vagrant

Testing Plan

```
git checkout 4.6.0-RC
```

Sanity Builds

Project	Command	Platform	Tested by	Success?	Notes
fcrepo4	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo4	mvn clean install	mac	Andy Wagner	✓	10.10.5
fcrepo4	mvn clean install	windows	Aaron Birkland	✓ - RC-4	Windows 10 (1607) x64, 1.8.0_101-b13
fcrepo-module-auth-rbac1	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-module-auth-rbac1	mvn clean install	mac	A. Soroka	✓	
fcrepo-module-auth-rbac1	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-module-auth-xacml	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-module-auth-xacml	mvn clean install	mac	A. Soroka	✓	
fcrepo-module-auth-xacml	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-module-auth-webac	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-module-auth-webac	mvn clean install	mac	A. Soroka	✓	
fcrepo-module-auth-webac	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-mint	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-mint	mvn clean install	mac	A. Soroka	✓	
fcrepo-mint	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-transform	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-transform	mvn clean install	mac	A. Soroka	✓	
fcrepo-transform	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-audit	mvn clean install	linux	Tricia Jenkins	✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14
fcrepo-audit	mvn clean install	mac	A. Soroka Andy Wagner	✓	10.10.5
fcrepo-audit	mvn clean install	windows	Aaron Birkland	✓	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install	linux	Tricia Jenkins Andrew Woods	✓ ✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14 4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
fcrepo-webapp-plus	mvn clean install	mac	A. Soroka Andy Wagner	✓	10.10.5
fcrepo-webapp-plus	mvn clean install	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Prbac1	linux	Tricia Jenkins Andrew Woods	✓ ✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14 4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
fcrepo-webapp-plus	mvn clean install -Prbac1	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Pxacml	linux	Tricia Jenkins Andrew Woods	✓ ✓	CentOS Linux release 7.2.1511 x86_64, 1.8.0_91-b14 4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
fcrepo-webapp-plus	mvn clean install -Pxacml	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Pwebac	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Pwebac	mac	A. Soroka Andy Wagner	✓	10.10.5

fcrepo-webapp-plus	mvn clean install -Pwebac	linux	Andrew Woods	✓ - RC-2	4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
fcrepo-webapp-plus	mvn clean install -Paudit	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -Paudit	mac	A. Soroka Andy Wagner	✓	10.10.5
fcrepo-webapp-plus	mvn clean install -Paudit	linux	Andrew Woods	✓ - RC-2	4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
fcrepo-webapp-plus	mvn clean install -P!\webac,\!audit	windows	Aaron Birkland	✓ - RC-2	Windows 10 (1511) x64, 1.8.0_101-b13
fcrepo-webapp-plus	mvn clean install -P!\webac,\!audit	mac	Andy Wagner	✓	10.10.5
fcrepo-webapp-plus	mvn clean install -P!\webac,\!audit	linux	Andrew Woods	✓	4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS

Windows tests please note the version of Windows used. Linux tests note distro.

One-Click Run

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

Command	Platform	Tested by	Success?	Notes
java -jar fcrepo-webapp-4.5.2-SNAPSHOT-jetty-console.jar	linux	Nick Ruest	✓ - RC-3	Ubuntu 15.10
java -jar fcrepo-webapp-4.5.2-SNAPSHOT-jetty-console.jar	mac	A. Soroka Joshua Westgard	✓ ✓ - RC-3	
java -jar fcrepo-webapp-4.5.2-SNAPSHOT-jetty-console.jar	windows	Aaron Birkland	✓ - RC-4	Windows 10 (1607) x64, 1.8.0_101-b13
java -jar fcrepo-webapp-4.5.2-SNAPSHOT-jetty-console.jar	windows	Chad Mills	✓	Windows 7 Enterprise Service Pack 1

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 version

Browser	Platform	Tested by	Success?	Notes
Firefox	Linux	Nick Ruest	✓ - RC-3	Version 47.0
Firefox	Mac	Jared Whiklo Joshua Westgard	✓ ✓ - RC-3	Version 47.0 Version 47.0
Firefox	Windows			
Chrome	Linux	Andrew Woods	✓ - RC-4	4.4.0-31-generic x86_64, Ubuntu 16.04.1 LTS
Chrome	Mac	Jared Whiklo Joshua Westgard	✓ ✓ - RC-3	Version 51.0.2704.103 (64-bit) Version 51.0.2704.103 (64-bit)
Chrome	Windows	Aaron Birkland	✓ - RC-4	Version 52.0.2743.116 m (64-bit)
Edge	Windows	Aaron Birkland	✓ - RC-4	Version 38.14393.0.0

Database Tests

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

Database	Platform	Tested by	Success?	Notes
MySQL	Mac	Esmé Cowles	✓ - RC-3	MySQL 5.7.9
PostgreSQL	Mac	Esmé Cowles	✓ - RC-3	PostgreSQL 9.4.5

Hydra Tests

Run test suites of various Hydra components using the release candidate.

Gem/App	Tested by	Success?
ActiveFedora	Esmé Cowles	✓ - RC-3
CurationConcerns	Esmé Cowles	✓ - RC-3
Sufia	Esmé Cowles	✓ - RC-3
Plum	Esmé Cowles	✓ - RC-3
DukeLibraries/DulHydra	Jim Coble	✓ - RC-3

Vagrant Tests

```
vagrant destroy
vagrant up
```

Test steps	Tested by	Success?	Notes
FEDORA_AUTH=true FEDORA_AUDIT=true	Jared Whiklo Andrew Woods	✓	Unable to locate Jira server for this macro. It may be due to Application Link configuration. All automated tests passed: https://github.com/fcrepo4-labs/fcrepo4-tests - thanks Jared Whiklo!
FEDORA_AUTH=false FEDORA_AUDIT=true	Jared Whiklo Nick Ruest A. Soroka	✓ - RC-4	All automated tests – except authz_tests – and manual tests passed: https://github.com/fcrepo4-labs/fcrepo4-tests
FEDORA_AUTH=true FEDORA_AUDIT=false	Jared Whiklo Nick Ruest	✓ - RC-4	All automated tests and manual tests passed: https://github.com/fcrepo4-labs/fcrepo4-tests
FEDORA_AUTH=false FEDORA_AUDIT=false	Jared Whiklo Yinlin Chen Andrew Woods	✓ - RC-4 ✓ - RC-4	

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

```
vagrant ssh
sudo rm -rf /tmp/descriptions/*
curl -XPOST -H"Content-Type: application/json" -d '["activemq:queue:serialization"]' localhost:9080
/reindexing/
tree /tmp/descriptions # now it is repopulated
```