

# Test Guide - Fedora API Specification Test Suite

One of the requirements for Fedora 6 is that it continues to implement the [Fedora API Specification](#). Compliance with the specification is measured by the results of running the [Fedora API Test Suite](#). Earlier results of running the test suite are published below:

- <https://fedora.info/spec-tests/>

- [Instructions](#)
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  - [Date: 2024-04-30](#)
  - [Date: 2022-05-31](#)
  - [Date: 2021-06-28](#)
  - [Date: 2021-03-10](#)
  - [Date: 2021-02-09](#)
  - [Date: 2021-01-08](#)
  - [Date: 2020-10-08](#)
  - [Date: 2020-06-12](#)
  - [Date: 2020-05-27](#)
  - [Date: 2020-05-05](#)

## Instructions

1. [Download](#) / Install Fedora
  - a. [Deploying Fedora - Complete Guide](#)
  - b. The following system properties are important to include when starting up a Fedora that will be the target of the [Fedora API Test Suite](#):
    - i. -Dfcrepo.home=<some\_directory>
    - ii. -Dfcrepo.auth.webac.userAgent.baseUrl=<http://example.com/>
    - iii. -Dfcrepo.auth.webac.groupAgent.baseUrl=<http://example.com/>
    - iv. -Dfcrepo.external.content.allowed=fcrepo-http-api/src/test/resources/allowed\_external\_paths.txt
  - c. For example: command for starting Fedora from within the source code base:

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

2. Run tests

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

- b. Where "config-local.yml" contains:

```
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
```

## Test Runs and Results

Date: 2024-04-30

Fedora commit: 5e9b34c12b7760c25761780888803eb2cdf4b1ff  
Test suite commit: 5eca0de34c162205d66913b1979967d487619018

Who: [Jared Whiklo](#)

## Results

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 1, Skips: 28
=====
```

Details: [testsuite-execution-report-2024-04-30.html](#)

Date: 2022-05-31

Fedora commit: 879f528f473f6c35a528eeea3d6b427623ab3d82  
Test suite commit: 5eca0de34c162205d66913b1979967d487619018

Who: [Jared Whiklo](#)

## Results:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 1, Skips: 28
=====
```

Details: [testsuite-execution-report-2022-05-31.html](#)

Date: 2021-06-28

Fedora commit: RC-2  
Test suite commit: 5eca0de34c162205d66913b1979967d487619018

Who: [Danny Bernstein](#)

## Execution

1. Start Fedora
  - a. Using "mvn jetty:run"

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

2. Run tests
  - a. `java -jar target/testsuite-1.0-SNAPSHOT-shaded.jar -c config-local.yml`
  - b. Where "config-local.yml" contains:

```
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
```

## Results

Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 1, Skips: 28
=====
```

Details: <testsuite-execution-report-2021-06-28.html>

Date: 2021-03-10

Fedora commit: 7a6e5eb0829a769aaf9a03cbb78e325b1ff0ba5d  
Test suite commit: 7a6d398f3d0d2cf0ae2a072e334a22f61fdd61ae

Who: [Danny Bernstein](#)

## Execution

1. Start Fedora
  - a. Using "mvn jetty:run"

```
mvn jetty:run -Dfcrepo.home=target/ -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ \ -
Dfcrepo.auth.webac.groupAgent.baseUrl=http://example.com/ \ -Dfcrepo.external.content.
allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt \ -pl fcrepo-webapp
```

2. Run tests

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

- b. Where "config-local.yml" contains:

```
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-SNAPSHOT
```

## Results

Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 1, Skips: 28
=====
```

Details: [testsuite-execution-report-2021-03-10..html](#)

Date: 2021-02-09

Fedora commit: 41b13034fbfe70f2607a71d0e1cedec29b0fd196  
Test suite commit: 7df5e2fd857a6cc36740ce86a51a6e834d4a7ed5

Who: [Danny Bernstein](#)

## Execution

1. Start Fedora
  - a. Using "mvn jetty:run"

```
mvn jetty:run -Dfcrepo.home=target/ -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ \ -
Dfcrepo.auth.webac.groupAgent.baseUrl=http://example.com/ \ -Dfcrepo.external.content.
allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt \ -pl fcrepo-webapp
```

2. Run tests

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

- b. Where "config-local.yml" contains:

```
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-SNAPSHOT
```

## Results

Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 8, Skips: 26
=====
```

Details: [testsuite-execution-report-2021-02-09.html](#)

Date: 2021-01-08

Fedora commit: cc660dd207432a5baa6b78cfacc304973ec0fc6c  
Test suite commit: 4a4dc9f0e32c5a2962d08156efea140e243fe6bd

Who: [Andrew Woods](#)

## Execution

1. Start Fedora
  - a. Using "mvn jetty:run"

```
mvn jetty:run -Dfcrepo.home=target/ -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ \ -  
Dfcrepo.auth.webac.groupAgent.baseUrl=http://example.com/ \ -Dfcrepo.external.content.  
allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt \ -pl fcrepo-webapp
```

2. Run tests

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

- b. Where "config-local.yml" contains:

```
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-SNAPSHOT
```

## Results

Summary:

```
=====  
Fedora API Specification Test Suite  
Total tests run: 241, Failures: 14, Skips: 26  
=====
```

Details: [testsuite-execution-report-2021-01-08.html](#)

Date: 2020-10-08

Fedora commit: 2fae76d702c8f8074fdd511f99977b0826f4f0f3  
Test suite commit: 558cda79b224616a4135fdb2836509766e2a0029

Who: awoods

## Execution

1. Start Fedora
  - a. Using "mvn jetty:run"

```
mvn jetty:run -Dfcrepo.home=target/ -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ \ -  
Dfcrepo.auth.webac.groupAgent.baseUrl=http://example.com/ \ -Dfcrepo.external.content.  
allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt \ -pl fcrepo-webapp
```

2. Run tests

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

b. Where "config-local.yml" contains:

```
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-SNAPSHOT
```

## Results

Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 27, Skips: 25
=====
```

Details: [testsuite-execution-report-2020-10-08.html](https://testsuite-execution-report-2020-10-08.html)

Date: 2020-06-12

Commit: bd01b67

Who: whikloj

## Execution

### 1. Start Fedora

```
a. mvn -Dfcrepo.external.content.allowed=fcrepo-http-api/src/test/resources/allowed_external_paths.txt -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ -Dfcrepo.ocfl.staging.dir=/Users/whikloj/www/fcrepo4/ocfl_temp/staging -Dfcrepo.ocfl.storage.root.dir=/Users/whikloj/www/fcrepo4/ocfl_temp/storage_root -Dfcrepo.ocfl.work.dir=/Users/whikloj/www/fcrepo4/ocfl_temp/work jetty:run -pl fcrepo-webapp
```

### 2. Run tests

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

b. where "config-local.yml" contains:

```
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
```

## Results

## Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 47, Skips: 25
=====
```

Details: [testsuite-execution-report-2020-06-12.html](https://testsuite-execution-report-2020-06-12.html)

Date: 2020-05-27

Commit: df2982c01

Who: dbernstein

## Execution

### 1. Start Fedora

```
a. mvn jetty:run -Dfcrepo.ocfl.staging.dir=target/fcrepo-data/staging -Dfcrepo.ocfl.storage.root.
dir=target/fcrepo-data/ocfl-root \
-Dfcrepo.ocfl.work.dir=target/fcrepo-data/work -Dfcrepo.auth.webac.userAgent.
baseUri=http://example.com/ \
-Dfcrepo.auth.webac.groupAgent.baseUri=http://example.com/ \
-Dfcrepo.external.content.allowed=../fcrepo-http-api/src/test/resources
/allowed_external_paths.txt \
-pl fcrepo-webapp
```

### 2. Run tests

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

#### b. Where "config-local.yml" contains:

```
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
```

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 61, Skips: 25
=====
```

testsuite-execution-report.html

## Results

### Summary:

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 61, Skips: 25
=====
```

Details: [testsuite-execution-report-2020-05-27-1250.html](https://testsuite-execution-report-2020-05-27-1250.html)

Date: 2020-05-05

Commit: ?

Who: awoods

## Execution

### 1. Start Fedora

```
a. java -Dfcrepo.log=DEBUG -Dfcrepo.external.content.allowed=fcrepo-http-api/src/test/resources
/allowed_external_paths.txt -Dfcrepo.auth.webac.userAgent.baseUrl=http://example.com/ -jar fcrepo-
webapp/target/fcrepo-webapp-6.0.0-SNAPSHOT-jetty-console.jar --headless
```

### 2. Run tests

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

b. Where "config-local.yml" contains:

```
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
```

## Results

### Summary

```
=====
Fedora API Specification Test Suite
Total tests run: 241, Failures: 74, Skips: 24
=====
```

Details [testsuite-execution-report.html](https://testsuite-execution-report.html)