

Internal Audit Events

Run the Vagrant VM

Follow the instructions at <https://github.com/fcrepo4-labs/fcrepo4-vagrant> for setting up the Fedora 4 Vagrant Virtual Machine. These are essentially:

- Install [Vagrant](#) and [VirtualBox](#)
- Clone the fcrepo4-vagrant Git repository

```
git clone https://github.com/fcrepo4-labs/fcrepo4-vagrant.git
cd fcrepo4-vagrant
```

- If you already have fcrepo4-vagrant from previous testing, run the following:

```
vagrant destroy
```

- In the install_scripts/config file, ensure the FEDORA_AUDIT value to true.
- Optional: Edit the install_scripts/config file and change the FEDORA_AUDIT_LOCATION value to desired location.
- Optional: Edit the install_scripts/config file and change the FEDORA_AUTH value to true.
- Start the Vagrant VM:

```
vagrant up
```

Verify that audit events are created in the container

- Verify that an empty container is created at the configured FEDORA_AUDIT_LOCATION (default: /audit).
- Perform some auditable operations using the Fedora 4 HTML UI at <http://localhost:8080/fcrepo/rest> or using the REST API on the command-line:

```
curl -u fedoraAdmin:secret3 -X POST -H "Slug: object1" http://127.0.0.1:8080/fcrepo/rest
curl -u fedoraAdmin:secret3 -X POST -H "Slug: file1" --data-binary "test content" http://127.0.0.1:8080/fcrepo/rest/object1
curl -u fedoraAdmin:secret3 -X PATCH -H "Content-type: application/sparql-update" --data-binary "insert data { <> <http://purl.org/dc/elements/1.1/title> \"new title\" . }" http://127.0.0.1:8080/fcrepo/rest/object1
curl -u fedoraAdmin:secret3 -X DELETE http://127.0.0.1:8080/fcrepo/rest/object1/file1
curl -u fedoraAdmin:secret3 -X DELETE http://127.0.0.1:8080/fcrepo/rest/object1
```

- Verify that the audit event nodes are created under the configured FEDORA_AUDIT_LOCATION.
- Verify the audit events have also been published to the external triplestore.