

6 Automation scripts

6.1 Configuration

@BE

Java parameters must be modified to allow import and export of large files.

Edit Tomcat startup option

```
nano -w /etc/default/tomcat6 [8.1.3]
JAVA_OPTS="-Djava.awt.headless=true -Xmx1g -Xms128m"
```

@Client

Edit Fedora Commons client script option

```
nano -w /usr/local/fedora/client/bin/env-client.sh [8.1.24]
exec_cmd="exec \"$java\" -Xms128m -Xmx1g \
...
```

Set environment variable FEDORA_HOME

```
export FEDORA_HOME=/usr/local/fedora
```

NOTE: Client IP address must be enable in policy file deny-apim-if-not-localhost.xml [8.1.5] for API-M access and must have access to @BE server port 8080.

6.2 Export/ingest/modify basic examples

Some examples using REST API-M and command line client.

- **REST API-M**

Export object in FOXML format:

```
wget --user=fedoraAdmin --password=***
http://fcl.to.cnr.it:8080/fedora/objects/fgramsci:TO024-00001/export?
context=archive
```

- **Command line client**

Export object in FOXML format:

```
cd fedora/client/bin
./fedora-export.sh fcl.to.cnr.it:8080 fedoraAdmin *** fgramsci:TO024-00001
info:fedora/fedora-system:FOXML-1.1 archive export/ http
```

Ingest object in FOXML format:

```
./fedora-ingest.sh f fgramsci_TO024-00001.xml info:fedora/fedora-system:FOXML-1.1
fcl.to.cnr.it:8080 fedoraAdmin *** http
```

Modify object datastream, content is replaced by new data:

- create directive file with new data

```
nano -w bmodify.xml

<?xml version="1.0" encoding="utf-8"?>
<fbm:batchModify xmlns:fbm="http://www.fedora.info/definitions/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.fedora.info/definitions/ http://www.fedora-
commons.org/definitions/1/0/api/batchModify-1.1.xsd">
<fbm:modifyDatastream pid="openbess:TO043-00003" dsID="RELS-EXT" dsControlGroupType="X"
logMessage="BatchModify - modifyDatastream">
<fbm:xmlData>
<rdf:RDF xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:fedora="info:fedora/fedora-
system:def/relations-external#" xmlns:fedora-model="info:fedora/fedora-system:def/model#"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"

```