

York University - Test 3 Results - LevelDB

Setup

1. Version of Fedora
 - a. [6d73b15ef46f4fc16dbddfabb6038bfa49619a78f](#) (2016-06-06)
2. Fedora configuration details
 - a. `/etc/default/tomcat7`

```
JAVA_OPTS="-Djava.awt.headless=true"
JAVA_OPTS="{JAVA_OPTS} -XX:+DisableExplicitGC"
JAVA_OPTS="{JAVA_OPTS} -Xms512m"
JAVA_OPTS="{JAVA_OPTS} -Xmx6g"
JAVA_OPTS="{JAVA_OPTS} -XX:NewSize=256m"
JAVA_OPTS="{JAVA_OPTS} -XX:MaxNewSize=2g"
JAVA_OPTS="{JAVA_OPTS} -XX:MetaspaceSize=64m"
JAVA_OPTS="{JAVA_OPTS} -XX:MaxMetaspaceSize=2g"
JAVA_OPTS="{JAVA_OPTS} -Dfile.encoding=UTF-8"
JAVA_OPTS="{JAVA_OPTS} -Xloggc:/var/log/tomcat7/java-gc.log"
JAVA_OPTS="{JAVA_OPTS} -XX:+PrintGCDetails"
JAVA_OPTS="{JAVA_OPTS} -XX:+PrintGCDateStamps"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.home=/data/test"
JAVA_OPTS="{JAVA_OPTS} -agentpath:/home/nruest/yjp-2016.02/bin/linux-x86-64/libyjpagent.so=delay=10000"
```

3. System details (OS, memory, processors, hardware specs or virtualization, JVM, etc)
 - a. Virtual server; 8GiB memory, 2 virtual cpus, fcrepo data is a NFS mount
 - b. Ubuntu 14.04.4 LTS
 - c. LevelDB
4. Initial state of the repository
 - a. empty
5. Number of client processes/threads (ideally clients are on a separate machine)
 - a. 1
 - b. JMeter client on separate machine

Test

Remote:

```
./jmeter -Dfedora_4_server=zeta.library.yorku.ca -Dfedora_4_context=fcrepo/rest -Dfilesize_min=10240 -Dfilesize_max=102400 -Dbinary_threads=1 -n -t /home/nruest/git/fcrepo4-jmeter/fedor
a.jmx >>| /home/nruest/tmp/yorku-test-3-summary.log
```

Results

summary = 343357 in 27866s = 12.3/s Avg: 75 Min: 4 Max: 12090 Err: 1 (0.00%)

1465394464331,143,PUT Perf Container,500,Internal Server Error,Fedora4 Create Binary Resource 2-1,text,false,7060,1,1,143