

Virginia Tech Results - Test 4

Setup

1. Version of Fedora
 - a. 4.5.1 Release
2. Fedora configuration details
 - a. `/usr/share/tomcat/conf/tomcat.conf`

```
JAVA_OPTS="-Djava.awt.headless=true -XX:+DisableExplicitGC -Xms512m -Xmx110g -XX:NewSize=256m -XX:MaxNewSize=2g -XX:MetaspaceSize=64m -XX:MaxMetaspaceSize=2g -Dfile.encoding=UTF-8 -Xloggc:/var/log/tomcat/java-gc.log -XX:+PrintGCDetails -XX:+PrintGCDateStamps -Dfcrepo.home=/mnt/ingest"
```

3. System details (OS, memory, processors, hardware specs or virtualization, JVM, etc)
 - a. CentOS 7

```
128GB RAM, 24vCPU
$ uname -a
Linux test 3.10.0-327.10.1.el7.x86_64 #1 SMP Tue Feb 16 17:03:50 UTC 2016 x86_64 x86_64 x86_64 GNU/Linux

$ java -version
java version "1.8.0_77"
Java(TM) SE Runtime Environment (build 1.8.0_77-b03)
Java HotSpot(TM) 64-Bit Server VM (build 25.77-b03, mixed mode)
```

4. Initial state of the repository
 - a. empty
5. Number of client processes/threads (ideally clients are on a separate machine)
 - a. 1
6. Fedora
 - a. leveldb

Test

Command:

```
date > /home/cc/summary.log; ./jmeter -Dfedora_4_server=localhost -Dfedora_4_context=fcrepo/rest -n -t /root/fcrepo4-jmeter/fedora.jmx >> /home/cc/summary.log; /home/cc/summary.log
```

Results

- Length of run
 - Wed Apr 20 14:32:00 UTC 2016 to Mon Apr 25 13:05 UTC 2016
- Summary
 - summary = 13530463 in 426782s = 31.7/s Avg: 29 Min: 5 Max: 78499 Err: 0 (0.00%)
- Logs
 - [jmeter-fedora4-newobject-1-threads.tar.gz](#)
 - [perf.log](#)
 - [summary.log](#)
- R scripts graphic:
 - [test4.tar.gz](#)