

York University - Test 5 Results (MySQL)

Setup

1. Version of Fedora
 - a. [7477d568e3748381939d03e65d183fdd364590cd](#)
 - b. Modeshape5
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} -Dfcrepo.mysql.username=root"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.mysql.password=password"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.mysql.host=localhost"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.mysql.port=3306"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.modeshape.configuration=classpath:/config/jdbc-mysql/repository.json"
JAVA_OPTS="{JAVA_OPTS} -agentpath:/home/nruest/yjp-2016.02/bin/linux-x86-64/libjypagent.so=delay=10000"
JAVA_OPTS="{JAVA_OPTS} -Dfcrepo.modeshape.configuration=classpath:/config/jdbc-mysql/repository.json"
```

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. MySQL (Ver 14.14 Distrib 5.5.49, for debian-linux-gnu (x86_64) using readline 6.3)
 - i. MySQL data directory was on NFS mount
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 -Dresource_directory=/home/nruest/git/fcrepo4-jmeter -Dcontainer_rdf_threads=1 -n -t /home/nruest/git/fcrepo4-jmeter/fedora.jmx >> /home/nruest/tmp/yorku-test-5-mysql-summary.log
```

Results

summary = 9643924 in 6269122s = 1.5/s Avg: 645 Min: 4 Max: 60663 Err: 1 (0.00%)

Tidying up ... @ Fri Sep 16 04:04:29 EDT 2016 (1474013069528)

[Logs](#)