

University of Texas at Austin - JMeter Test 2 - 30m

Instance setup and documentation

- 1. Fedora 6 Specs
 - a. On-premises - Kubernetes deployed on VMWare virtual hosts

Docker	k8s	OS	Processor Speed	CPU Reservation /Limit	Memory Reservation /Limit	Storage	Java	Fedora 4	Java configuration options (e.g. -Xmx 2G)	Binary Configuration (local, network, S3)
20.10.3	1.19.4	Ubuntu 10.8	2.60GHz	2000/6000	2G/4G	NAS v3 1T	Java 11	6.0.0-beta	Defaults	JMeter mock data

- 2. Database Specs (Using JDBC object store)
 - a. Postgres
 - b. version 11.11.0
 - c. if using a remote database
 - i. processor speed - same as above
 - ii. processor count - same as above
 - iii. RAM Reservation/Limit - 256M/Unlimited
- 3. JMeter client specs:
 - a. On-premises

OS	Processor Speed	Cores	Memory	Storage (SSD or Hard Disk)	Java	JMeter
Windows Server 2018	2.8Ghz	12	96GB JMeter configured for 12GB	N/A	8	5.4.1

- b. Command

```
C:\apache-jmeter-5.4.1\bin\jmeter.bat -Jjmeter.save.saveservice.output_format=xml -Jjmeter.save.saveservice.response_data.on_error=true -Jjmeter.save.saveservice.response_data=false -Dfedora_4_username=XXXXX -Dfedora_4_password=XXXXX -Dfedora_4_protocol=https -Dfedora_4_server=fedora6-beta.lib.utexas.edu -Dfedora_4_port=443 -Dfedora_4_context=/fcrepo/rest -Dfilesize_min=10000 -Dfilesize_max=100000 -Dbinary_threads=12 -Dramp_up_period=60 -n -t C:\Users\lib-s.doane\Downloads\fcrepo4-jmeter\fedora.jmx
```

JMeter result:

- o Length of run: 30m
- o Summary:
2021-03-25 10:48:49,848 INFO o.a.j.r.Summariser: summary + 977 in 00:00:20 = 49.3/s Avg: 471 Min: 25 Max: 2403 Err: 0 (0.00%) Active: 0 Started: 24 Finished: 24



Grafana Detail

