# **Performance Test report - Load Test**

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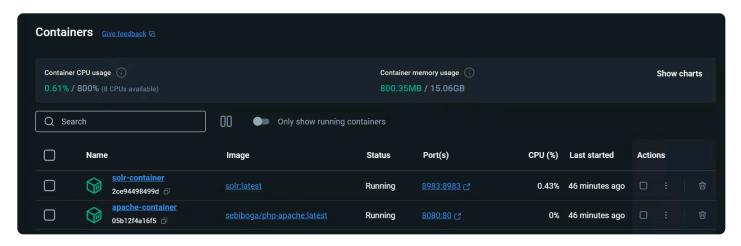
1 Machine: Apple M1 Pro Memory: 16GB of RAM



Operating system: Sonoma 14.0

Dockerized 2 containers

**solr-container: 15.06GB RAM, CPU** 0.38% apache-container: **15.06GB RAM,** CPU 0.01%



### IPs:

- -apache-container --network mynetwork --ip 172.18.0.11 -d -p 8080:80 -v
- -solr-container --network mynetwork --ip 172.18.0.10 -d -p 8983:8983 -v

SUT (Apple M1 Pro with 16GB of RAM, docker contained Apache SOLR 9.6.1)

Application: Apache SOLR

Build Version: 9.6.1



## **Test Scenario:**

Select 1 job from 250.000.000 jobs from Apache SOLR

# **Performance Test Scenario:**

Workload: 25 Users

Ramp-up: 60sec

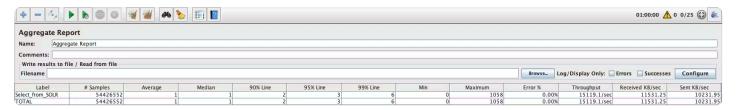
Duration: 3600s (1hour)

# **Testing Scope:**

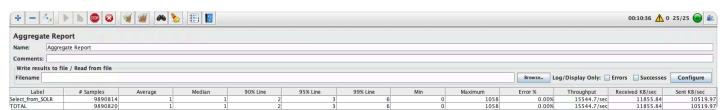
- After **1hour** error rate to be <**2%**
- CPU <85%
- Memory <95%

### **Test results:**

- Aggregate report
  - After



During



- Docker
  - After

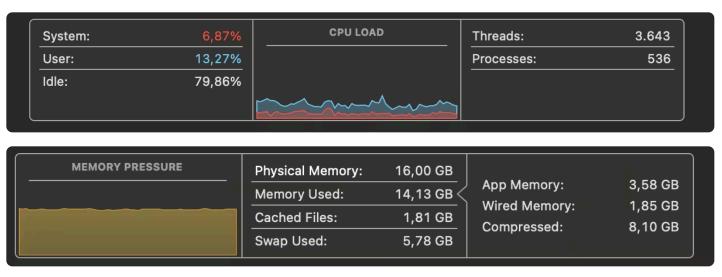


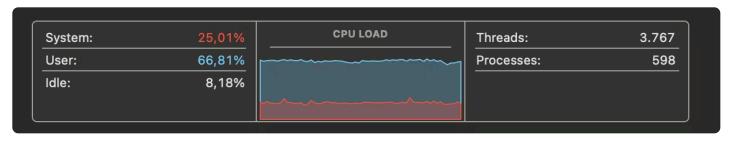
During

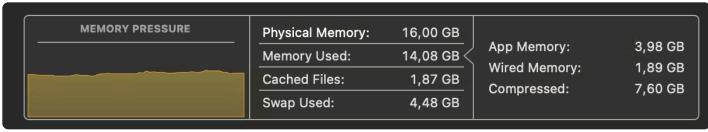


### • CPU/Memory

After

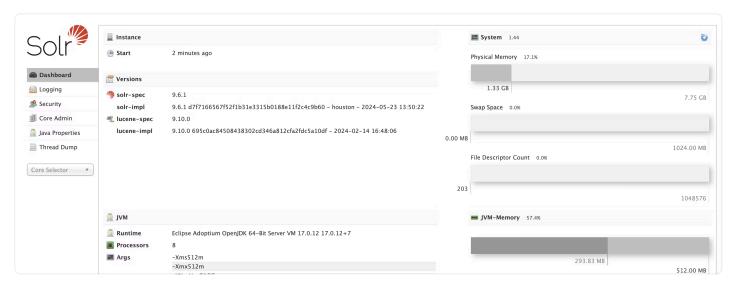




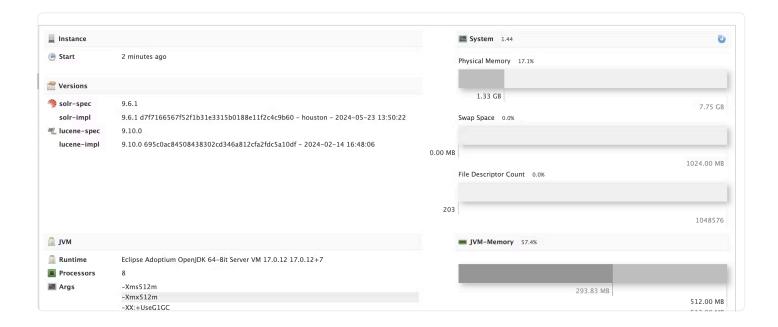


### • SOLR

Before



After



### **Conclusions:**

- 0% error rate
- CPU <85%
- Memory<95%

Based on the results, we will run load test for 1h for the same scenario.