

# Performance Testing Report - Benchmarking Test

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Date:

024-08-23 07:25:20

## SUT:

- 1 Machine: CPU i7-10th generation
- Memory: 32GB of RAM

EPUAKYIW0741  
HP EliteBook 850 G7 Notebook PC



Device specifications

Device name

EPUAKYIW0741

Processor

Intel(R) Core(TM) i7-10610U CPU @ 1.80GHz 2.30 GHz

Installed RAM

32.0 GB (31.6 GB usable)

Device ID

45C2DD23-F220-45C8-B0E3-BA253EF345D8

Product ID

00330-80000-00000-AA282


System type

64-bit operating system, x64-based processor

Pen and touch

No pen or touch input is available for this display

**Operating system:** Windows 11 Enterprise



Windows specifications

Edition

Windows 11 Enterprise

Version

23H2

Installed on

4/10/2024

OS build

22631.3880

Experience

Windows Feature Experience Pack 1000.22700.1020.0

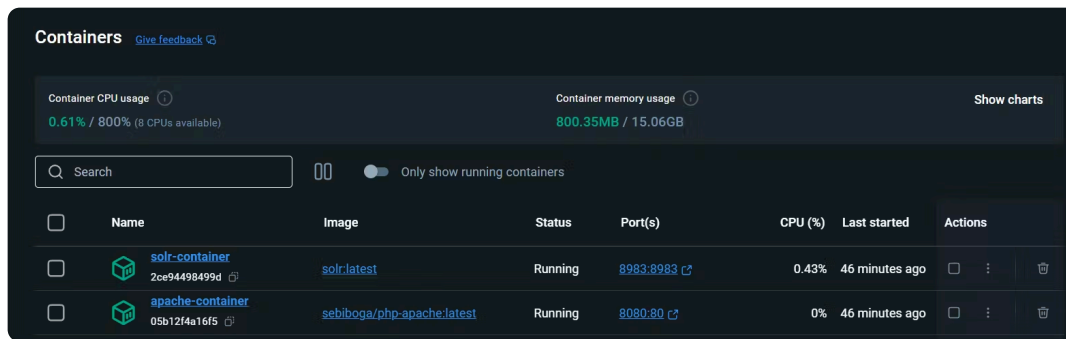
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Dockerized 2 containers

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

**Containers:**



### 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

**Note:** Machine is connected to Internet via WIFI

**Application:** Apache SOLR

**Build Version:** 9.6.1

The screenshot shows the Solr Admin UI. On the left is a sidebar with the Solr logo and a 'Dashboard' menu. The main content area is divided into two sections: 'Instance' and 'Versions'.

**Instance**

- Start** 39 minutes ago

**Versions**

<b>solr-spec</b>	9.6.1
<b>solr-impl</b>	9.6.1 d7f7166567f52f1b31e3315b0188e11f2c4c9b60 - houston - 2024
<b>lucene-spec</b>	9.10.0
<b>lucene-impl</b>	9.10.0 695c0ac84508438302cd346a812cfa2fdc5a10df - 2024-02-14 1

## Test scenario:

- Select 1 job out of 250.000.000 jobs from apache SOLR

## Performance test scenario:

- Workload: 25 VUsers
- Ramp-Up: 60 sec.
- Duration: 15 min.

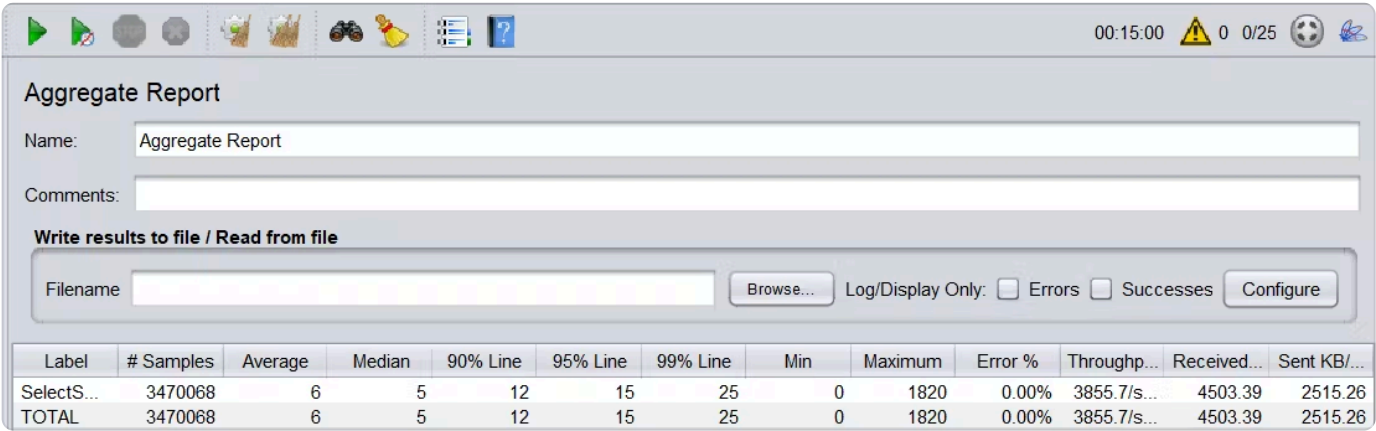
## Test scope:

- After 15 min error rate should be 0%
- CPU < 85%

- Memory <95%

# Test results:

JMeter Aggregated Report:

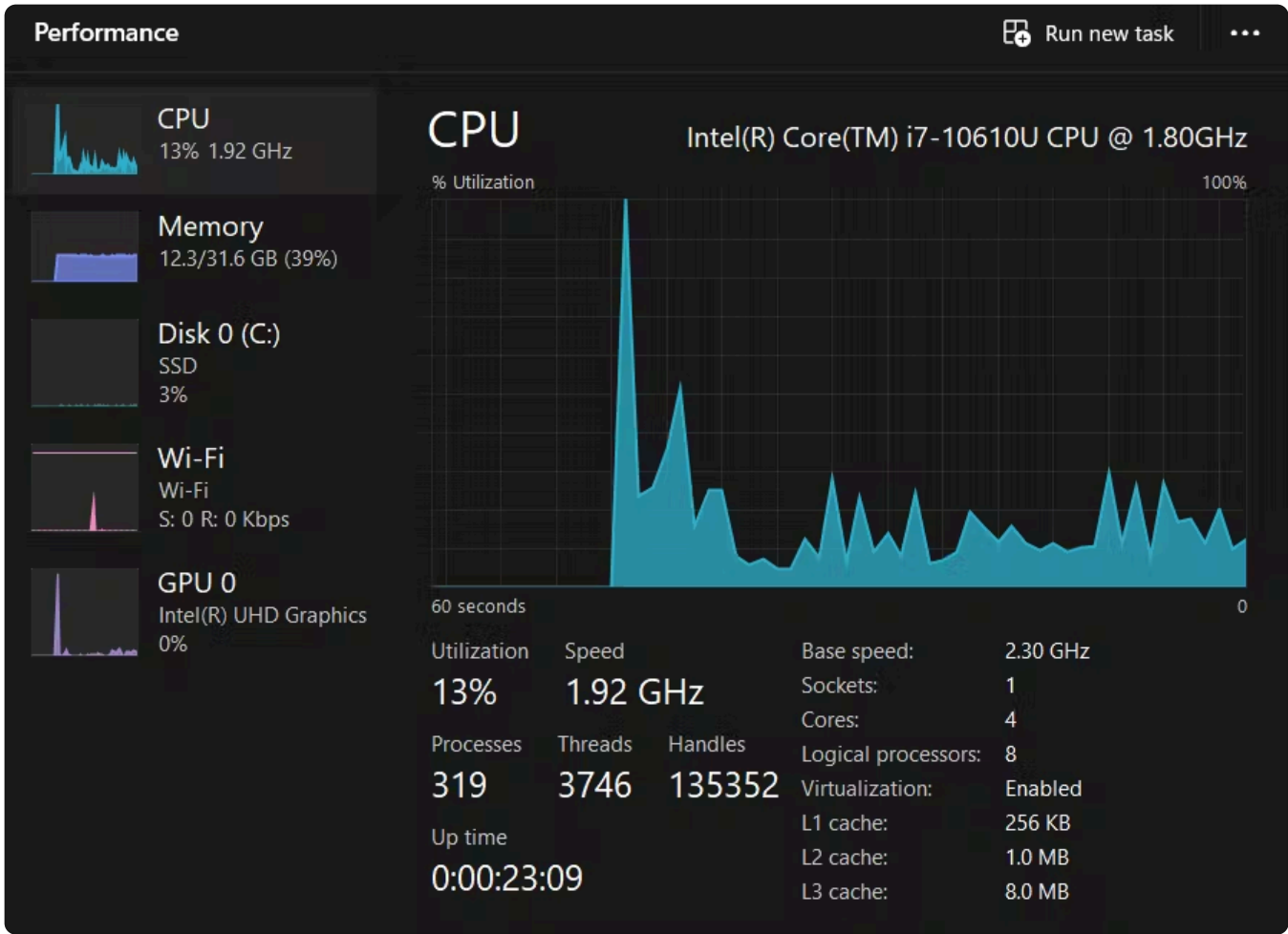


Docker

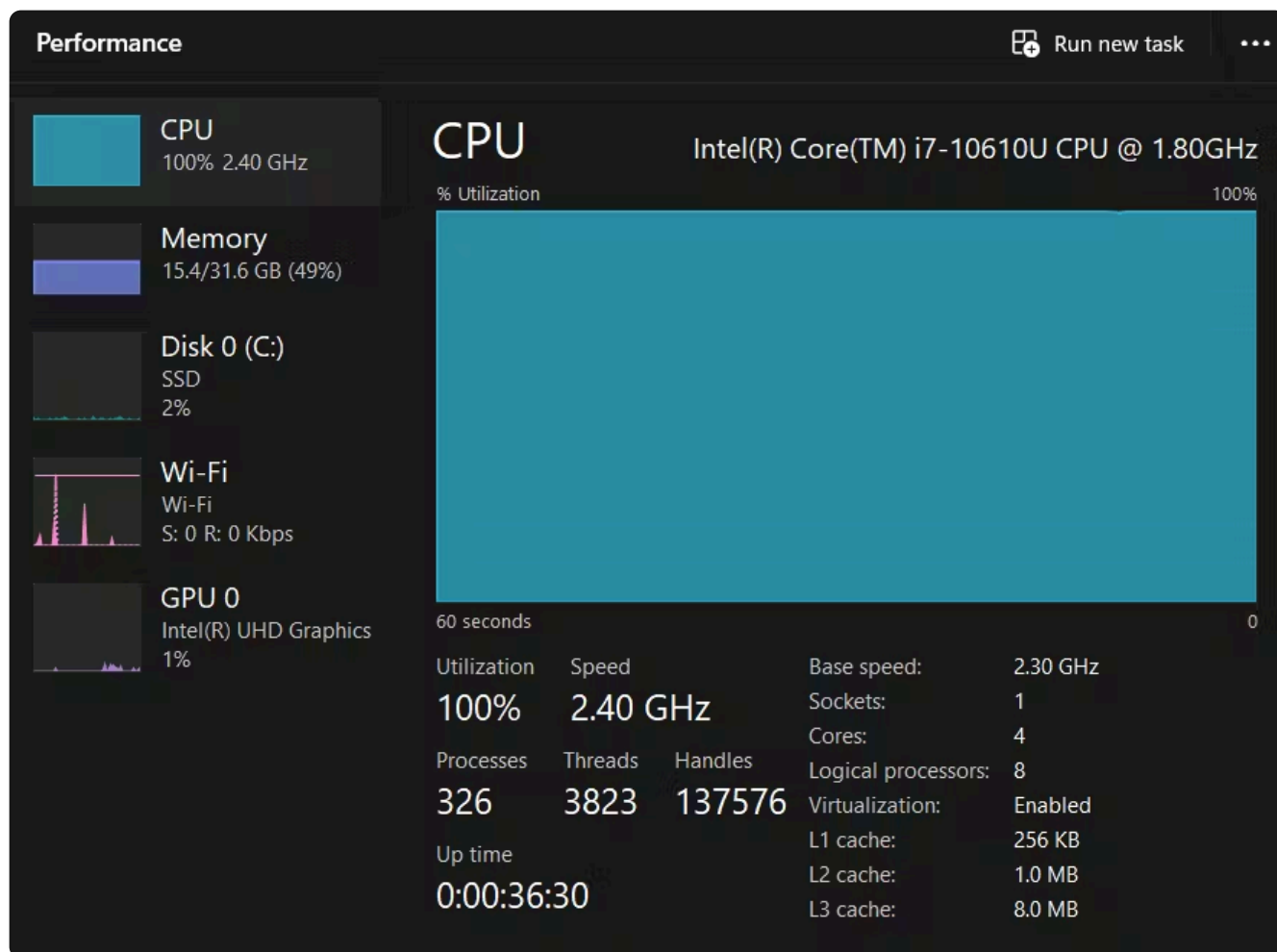


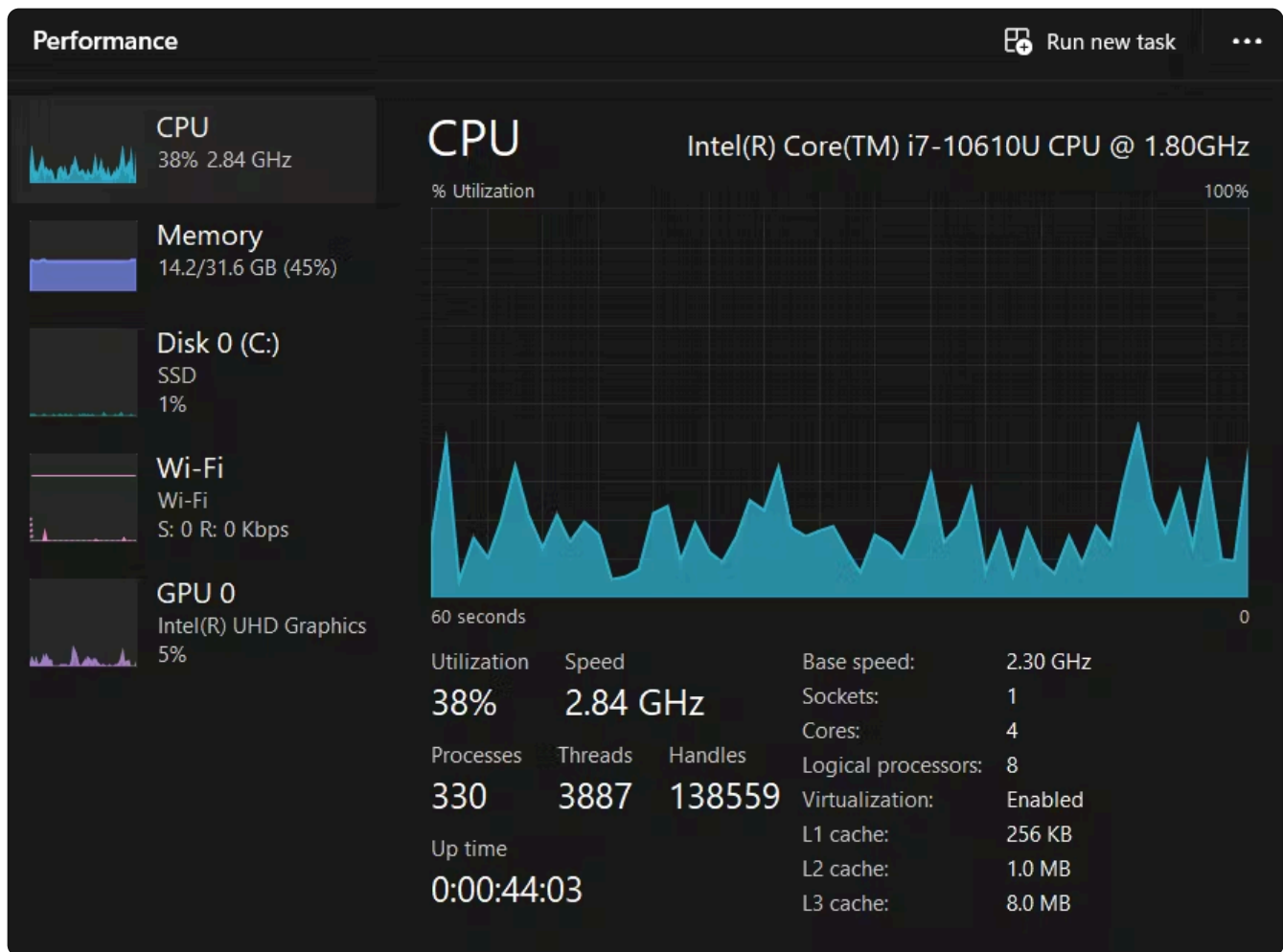
System Performance

Before:

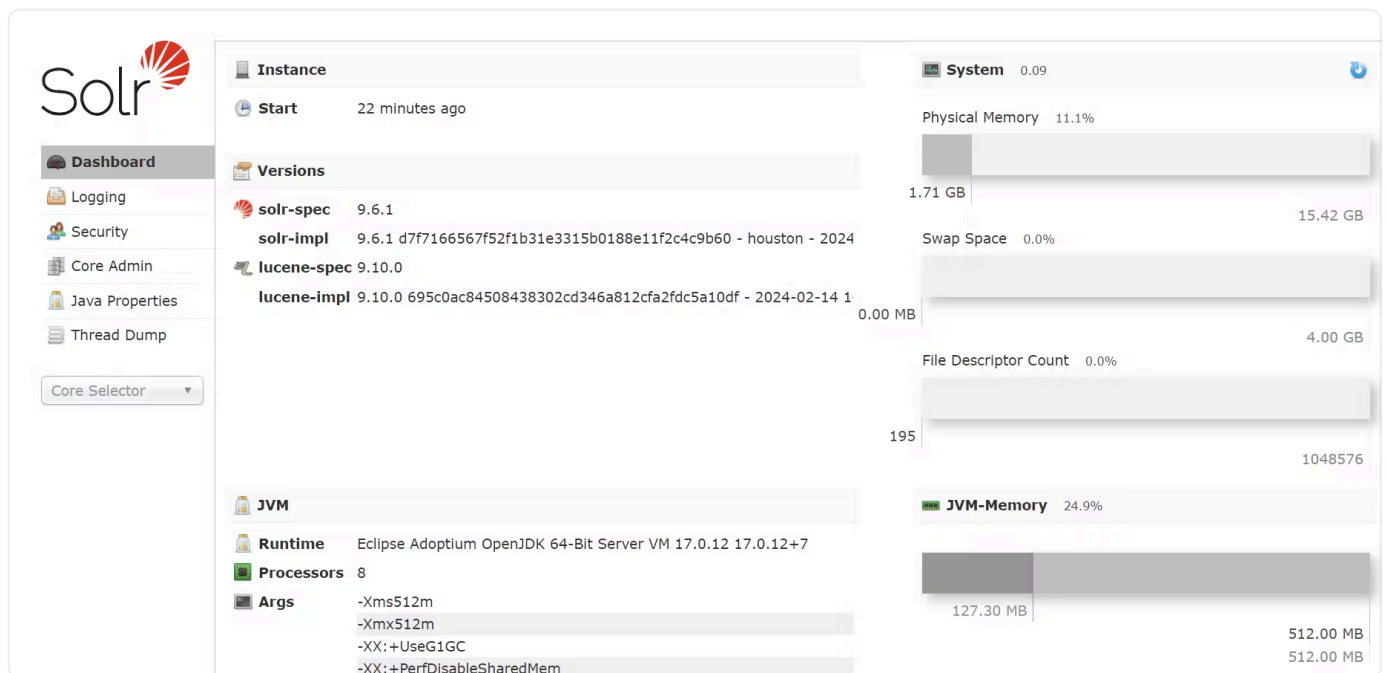


During:

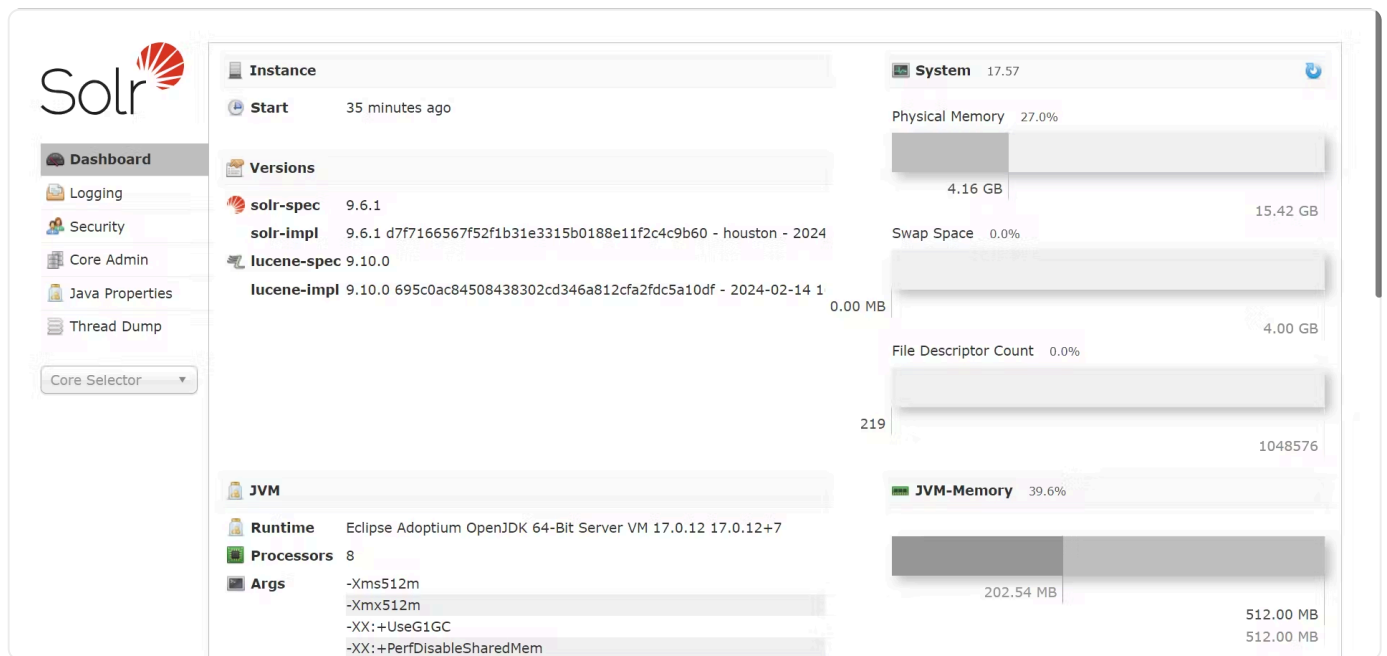




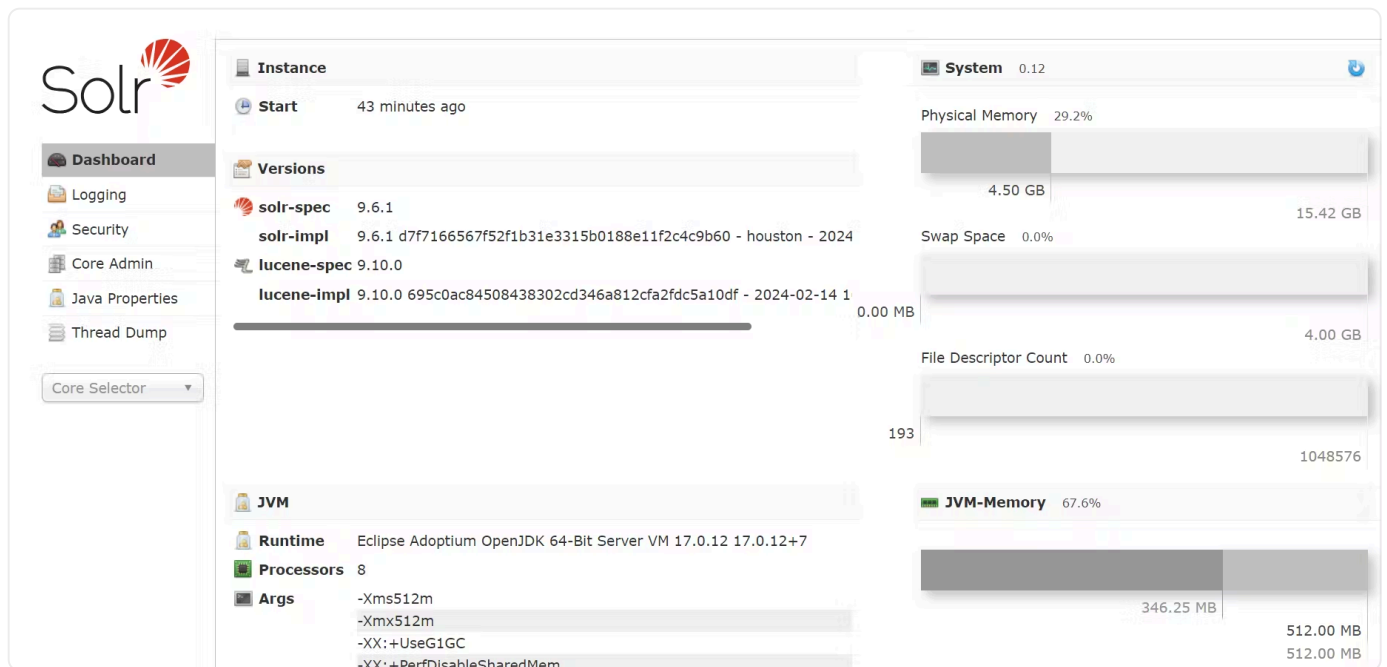
SOLR  
Before:



During:



After:



## Conclusion:

- Error rate is 0%;
- CPU consumption is 100% during the test;
- Memory consumption <95%;

Benchmarking test showed that 1h. load test could not be conducted due to 100% CPU utilization.