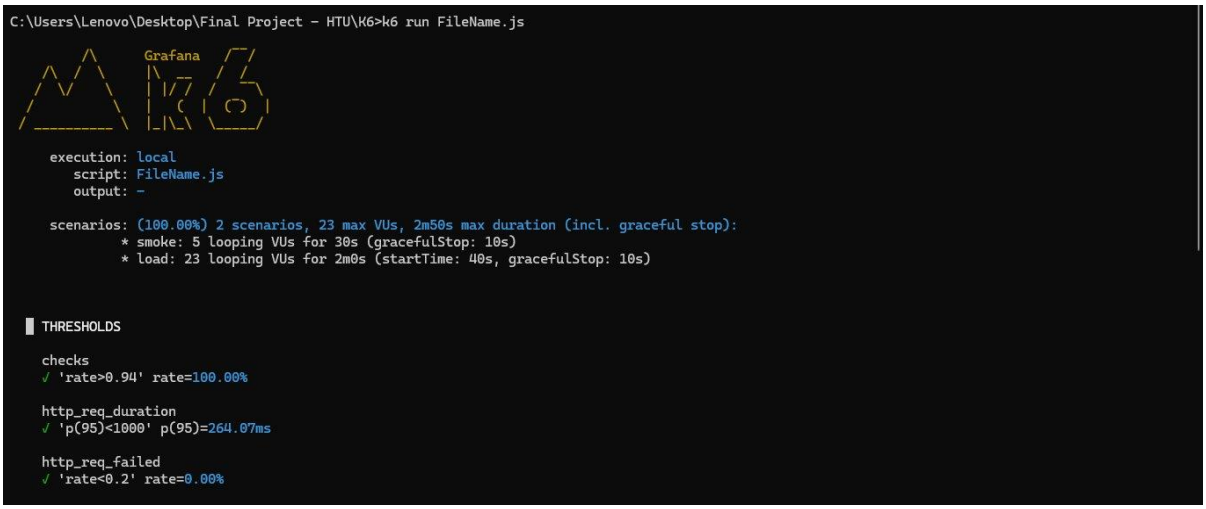
k6 Load Testing Results - Performance Report:



Total Checks:

- Total checks executed: 6688
- Passed: 6688 (100%)
- Failed: 0

All functional validations succeeded:

- Status code is 200
- Users array is not empty
- First user has ID
- Response time is acceptable

HTTP Performance:

Response Time Statistics

Metric	Value
Average	172.47 ms
Median	161.19 ms
Minimum	148.47 ms
Maximum	606.35 ms
p90	181.6 ms
p95	264.07 ms

95% of all requests completed in under 264.07 ms.

Requests Summary:

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- Total HTTP requests: 2608
- Failed requests: 0
- Request rate: ~15.34 requests/second

Execution Summary:

- Total iterations: 836
- Average iteration duration: 3.53 seconds
- Maximum iteration duration: 3.97 seconds
- Maximum VUs: 23

Network Usage:

- Data received: 32 MB
- Data sent: 331 KB

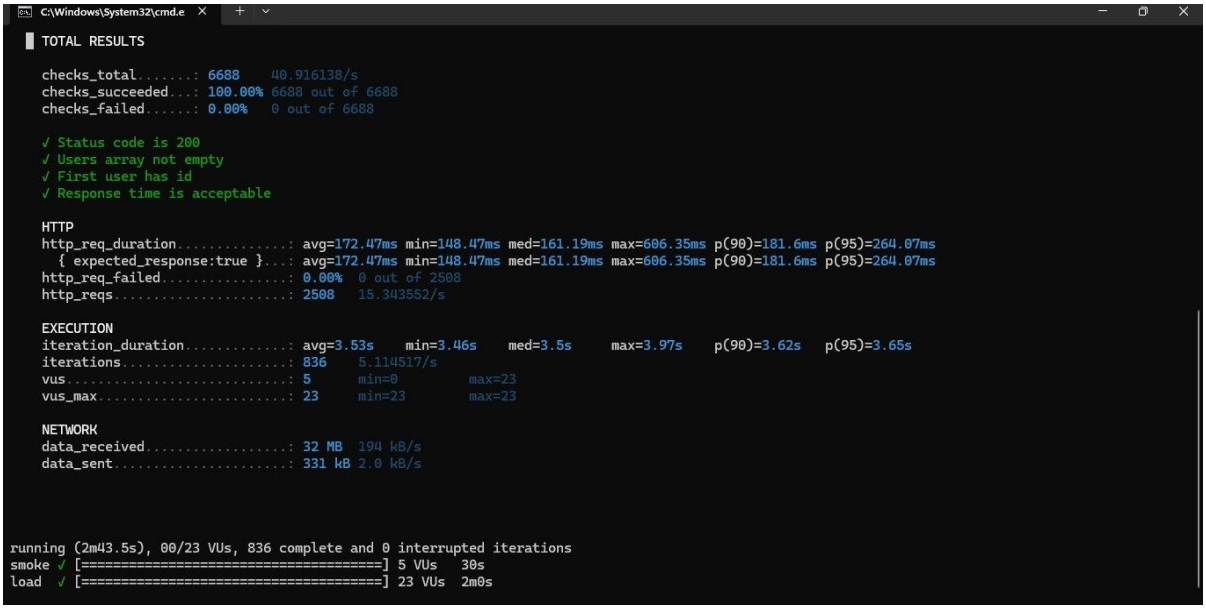
Conclusion (Screenshot 1):

The system demonstrated:

- Zero failed HTTP requests
- Stable performance under concurrent load
- Fast response times (264.07ms at p95)
- 100% successful checks

Final Result: PASS

The API is stable and performs efficiently under the tested load conditions.



Test Configuration

k6 Load Testing Results - Performance Report:

Scenarios:

Smoke test (5 VUs, 30s) + Load test (23 VUs, 2m)

Duration:

2m50s total

Script:

FileName.js

Configured Scenarios

Two scenarios were executed:

Smoke Scenario

- Virtual Users: 5
- Duration: 30 seconds
- Graceful stop: 10 seconds

Purpose:

To validate basic API functionality under minimal load.

Load Scenario

- Virtual Users: 23
- Duration: 2 minutes
- Start Time: After 40 seconds
- Graceful stop: 10 seconds

Purpose:

To measure system performance under moderate concurrent load.

Maximum VUs reached: **23**

Threshold Evaluation

All configured thresholds passed successfully:

Metric	Threshold	Result	Status
Success Rate	> 94%	100.00%	✓ PASS
Response Time (p95)	< 1000ms	264.07ms	✓ PASS
Failure Rate	< 20%	0.00%	✓ PASS

Conclusion (Screenshot 2)

All thresholds were met:

- No failed requests

k6 Load Testing Results - Performance Report:

- Excellent response time
- All functional checks passed

This confirms that the API behaves correctly and efficiently during both smoke and load tests.