

# Gatling Load Testing Report

Generated on: 2025-04-30 03:33:02

## Test Overview

Simulation Name: recordedsimulation

Start Time: 2025-04-30 08:48:01

Duration: 71 seconds

Total Requests: 2800

Successful (OK): 2100 (75%)

Failed (KO): 700 (25%)

Main Error: 401 Unauthorized

## Global Statistics

Requests Total: 2800

OK Requests: 2100 (75%)

KO Requests: 700 (25%)

Min Response Time: 1429 ms

Max Response Time: 26480 ms

Mean Response Time: 8552 ms

Standard Deviation: 4975 ms

Percentiles (OK):

- 50th: 7547 ms

- 75th: 8751 ms

- 95th: 15179 ms

- 99th: 24872 ms

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## Detailed Request Analysis (Examples)

Request Name | Total | OK | KO | Mean Resp. (ms) | Error %

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request_1	200	200	0	1429	0%
request_6	100	0	100	9745	100%
request_10	100	0	100	8142	100%
request_13	200	200	0	7802	0%
request_16	200	200	0	8734	0%

## Graph Analysis Summary

Active Users: Started and completed gradually.

Response Time Distribution: Spikes mostly between 6s-12s, many KO in this range.

Percentiles: 95th and 99th percentiles are high, indicating performance degradation.

Request/Response Rate: Peaks at 2200/sec, with many failures clustered together.

## Errors

Total Errors: 700

Error Type: 401 Unauthorized

Likely Causes:

- Missing or expired token
- Incorrect auth headers
- Session timeout or failed login

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## Summary & Recommendations

### Issues:

- 25% failure due to 401 Unauthorized
- High response times (up to 26 sec)
- Specific requests consistently failing

### Recommendations:

1. Fix Authentication handling.
2. Optimize backend processing.
3. Run longer-duration load tests.
4. Use phased testing (warm-up, load, stress).
5. Check server logs during high load.