

Apache JMeter Load Testing Report

Test Overview

This report summarizes the load testing performed on a backend server deployed on an Azure Virtual Machine using Apache JMeter.

Test Configuration

- Concurrent Users: ~500
- Total Requests: 2500
- Test Type: HTTP GET API
- Tool Used: Apache JMeter 5.6.3

Performance Summary

Metric	Value
Total Samples	2500
Average Response Time	128 ms
Minimum Response Time	67 ms
Maximum Response Time	481 ms
Error Rate	0.00 %
Throughput	41.4 requests/sec
Average Payload Size	305 bytes

Conclusion

The server demonstrated strong performance with low response times and zero errors under moderate load. This indicates the backend is stable and capable of handling concurrent user traffic efficiently.