

# 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.