



Executive Load Test Report

Demo

PASSED - This test passed all criteria (P95 Response, Errors, and Apdex)

Date: April 22, 2025

Duration: 3 minutes

Target URL: https://road-service-omega.vercel.app:443

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Key Metrics

Virtual Users

20

Peak concurrent users

Peak RPS

4.50

Maximum requests per second

Avg Response Time

19.94 ms

Average response time

P95 Response Time

39.91 ms

95th percentile response time

Error Rate

0.00%

Percentage of failed requests

Total Requests

430

Total number of requests

Peak Throughput

1.193 Mbps

Maximum data throughput

Apdex Score

100%

User satisfaction score (0-100%)

Executive Summary

AI Analysis

This load test successfully met all performance criteria. The system handled the load effectively with acceptable response times and error rates.

Key Performance Insights

Performance Analysis

The system maintained good performance throughout the test with an average response time of 19.94ms and a P95 response time of 39.91ms. The error rate was 0.00% and the Apdex score was 100.00%, indicating good user satisfaction.

Apdex Results

The Application Performance Index (Apdex) is an industry standard to measure user satisfaction with response time. It's a single number between 0-100% that represents the ratio of satisfactory response times to unsatisfactory response times.

For this test, the Apdex threshold (T) was set to 250ms, meaning:

- **Satisfied:** Response time less than 250ms
- **Tolerated:** Response time between 250ms and 1000ms
- **Frustrated:** Response time greater than 1000ms

User Experience Breakdown

Satisfied	<div></div>	100%
Tolerated	<div></div>	0%
Frustrated	<div></div>	0%

Response Time Breakdown

Distribution of response times across all requests:

Min	<div><div></div></div>	9.00 ms
Median	<div><div></div></div>	12.00 ms
P50	<div><div></div></div>	16.03 ms
P66	<div><div></div></div>	18.97 ms
P75	<div><div></div></div>	21.51 ms
P90	<div><div></div></div>	29.35 ms
P95	<div><div></div></div>	39.91 ms
P99	<div><div></div></div>	44.21 ms

Response Time Legend

- Excellent (0-200ms)
- Good (200-500ms)
- Fair (500-1000ms)
- Poor (1000ms+)

Response Time Analysis

The response time percentiles show how your application performed under load. Your P95 response time (39.91ms) indicates excellent performance, with 95% of requests completing in under 100ms.

Recommendations

AI Recommendations

Based on the test results, the system is performing well under the current load. Consider running tests with higher load to determine the system's capacity limits.

Technical Details

Test Configuration

This load test was configured to simulate 20 concurrent users over a duration of 3 minutes.

Endpoint Performance

Endpoint Performance Overview

This section shows the performance of individual endpoints tested during the load test. Endpoints with high response times or error rates may require optimization. Pay special attention to any endpoints with response times above 500ms or with error rates above 1%.

Endpoint	Method	Avg Response	Requests	Errors	Error %
Images	GET	13 ms	40	0	0.00%
Page: about-us	GET	20 ms	26	0	0.00%
Page: blogs	GET	19 ms	28	0	0.00%
Page: contact	GET	18 ms	33	0	0.00%
Page: container-drayage	GET	17 ms	39	0	0.00%
Page: dispatch	GET	26 ms	33	0	0.00%
Page: freight-brokerage	GET	15 ms	32	0	0.00%
Page: home	GET	16 ms	23	0	0.00%
Page: intermodal	GET	15 ms	26	0	0.00%
Page: safety-maintenance	GET	23 ms	34	0	0.00%
Page: services	GET	14 ms	30	0	0.00%
Page: testimonial	GET	12 ms	25	0	0.00%
Page: warehousing	GET	13 ms	25	0	0.00%

Endpoint	Method	Avg Response	Requests	Errors	Error %
Scripts	GET	13 ms	4	0	0.00%

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