

# Apache Log Analysis Report

File: [apache\\_logs.txt](#)

Date of Analysis: May 9, 2025

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## Overview

The server handles mostly GET requests from bots and legitimate users. The access log shows stable traffic, minimal POST usage, and a small but relevant amount of client (4xx) and server (5xx) errors. Most requests come from a small number of highly active IPs, likely automated agents or crawlers.

### 1. Request Counts

Total Requests	GET Requests	POST Requests
10,000	9,952	5

Observation: The server is primarily serving GET requests. POST usage is minimal.

### 2. Unique IP Analysis

**Total Unique IPs: 1,753**

Top 5 IPs by Request Volume:

IP Address	Request Count
66.249.73.135	482
46.105.14.53	364
130.237.218.86	357
75.97.9.59	273
50.16.19.13	113

GET/POST Breakdown for Top IPs:

IP Address	GET Requests	POST Requests
66.249.73.135	482	0
46.105.14.53	364	0
130.237.218.86	357	0
75.97.9.59	273	0
50.16.19.13	113	0

Insight: The top IPs only use GET requests, likely indicating bots or crawlers.

### 3. Failure Requests

Failed Requests	Failure Percentage
220	2.20%

Most Frequent Failure Status Codes:

Status Code	Count
404	213
500	3
403	2
416	2

### 4. Most Active IP

IP Address: 66.249.73.135

Total Requests: 482

### 5. Daily Request Averages

Total Days Covered: 4

Average Requests per Day: 2,500.00

### 6. Days with Most Failures

Date	Failures
19/May/2015	66
18/May/2015	66
20/May/2015	58
17/May/2015	30

### 7. Requests by Hour

Peak traffic hours fall between 14:00 and 20:00.

Hour	Requests
14	498
15	496
19	493
20	486
17	484

## 8. Status Code Breakdown

Status Code	Count
200	9126
304	445
404	213
301	164
206	45
500	3
416	2
403	2

## 9. Most Active IPs by Method

IP Address	GET Requests	POST Requests
66.249.73.135	482	0
46.105.14.53	364	0
130.237.218.86	357	0
75.97.9.59	273	0
50.16.19.13	113	0

## 10. Failure Patterns by Hour

Hour	Failures
09	18
05	15
06	14
17	12
13	12

## 11. Analysis Recommendations

1. Reduce broken links to lower 404s.
2. Set up IP rate limiting for top users.
3. Scale infrastructure for peak hours (14:00–20:00).
4. Audit server for rare but present 500 errors.
5. Consider bots and crawlers—check robots.txt.

## Conclusion

Critical Issues:

- Fix 404 errors by auditing broken or outdated URLs.
- Investigate rare 500 Internal Server Errors for root causes.
- Optimize caching strategy to reduce redundant data transmission.

Report Generated: May 09, 2025

Script Used: [log\\_analyzer.sh](#)