

Log File Analysis Report

1. Request Counts

Total Requests: 10000

GET Requests: 9952

POST Requests: 5

2. Unique IP Addresses

Total Unique IPs: 1753

(See full list in attached output for breakdown per IP)

3. Failure Requests

Failed Requests: [calculated in script, not visible in output]

Failure Percentage: [calculated in script]

4. Top User

Most Active IP Address: [result printed in script]

5. Daily Request Averages

Average Requests per Day: [calculated in script]

6. Failure Analysis by Day

Days with Highest Number of Failures: [data printed in script]

7. Requests by Hour

Hourly breakdown shown in script output

8. Status Code Breakdown

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Printed in output: shows how many times each status code (e.g., 200, 404, etc.) appears.

9. Most Active User by Method

Most active IP for GET and POST methods: [listed in output]

10. Patterns in Failure Requests

Failure patterns by hour/day shown in output.

Analysis Suggestions

- High number of GET requests suggests static resource requests dominate.
- Very few POST requests may indicate limited interaction or form submission.
- Monitor top IPs for potential abuse if request count is unusually high.
- Investigate time ranges or days with high failure rates.
- Review server handling of error codes (4xx/5xx) to reduce failures.
- Consider adding security controls if an IP makes excessive requests in a short time.