Performance Test Summary Report

📌 Endpoint Tested:

`POST /`https://test.dhub.pro/external/api/DHubGPSWebhook/UpdateDriversLocations
Payload: 1300 driver location updates for a single tenant.

🔧 Test Configuration:

- **Tool:** Apache JMeter
- **Number of Samples (Requests):** 200
- **Payload:** 1 request contains an array of 1300 drivers
- **Duration:** [20 Seconds]

📊 Key Performance Metrics:

Metric	Value
Average Response Time	22,230 ms (22.2 sec)
Median Response Time	23,463 ms (23.5 sec)
90th Percentile	37,085 ms (37.1 sec)
95th Percentile	38,876 ms (38.9 sec)
99th Percentile	39,625 ms (39.6 sec)
Min Response Time	916 ms
Max Response Time	40,274 ms (40.3 sec)
Throughput	3.3 requests/sec
Error Rate	0% (All requests successful)
Sent Data Rate	276.52 KB/sec
Received Data Rate	0.76 KB/sec

📈 Interpretation & Analysis:

- **High Average Response Time (22.2s):**
  The service takes a significant amount of time to process each request. This could be due to the large payload size (1300 records) or backend processing constraints.
- **Low Throughput (3.3 req/sec):**
  The system is only able to handle ~3.3 location update requests per second, which may become a bottleneck under high load or scale.
- **Zero Errors:**
  Functional stability is good — all 200 requests completed successfully.
- **Latency Variation:**
  A large gap between min (916 ms) and max (40.3s) indicates inconsistency in response times — potential signs of resource saturation or lack of parallelism.