

Performance test report - Mar 11, 2024 (#3)

Open in Postman

Postman collection: Load 2
Report exported on: Mar 11, 2024, 8:20:57 (GMT+1)

Test setup

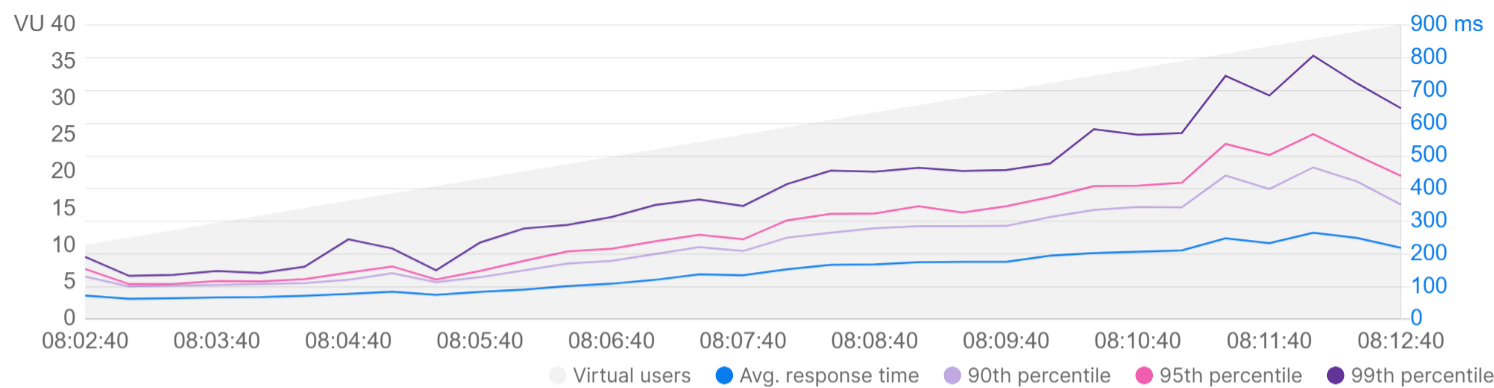
| | | |
|---------------|-------------------------|----------------------|
| Virtual users | Start time | Load profile |
| 40 VU | Mar 11, 8:02:42 (GMT+1) | Ramp up (10 minutes) |
| Duration | End time | Environment |
| 10 minutes | Mar 11, 8:12:49 (GMT+1) | - |

1. Summary

| | | | |
|---------------------|-----------------------|-----------------------|------------|
| Total requests sent | Throughput | Average response time | Error rate |
| 30,237 | 49.85 requests/second | 157 ms | 24.94 % |

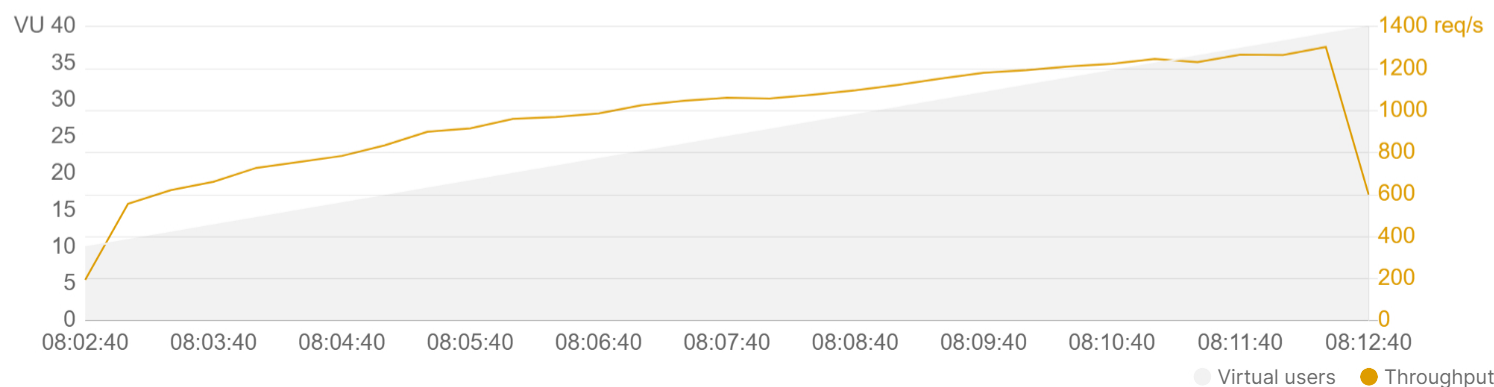
1.1 Response time

Response time trends during the test duration.



1.2 Throughput

Rate of requests sent per second during the test duration.



1.3 Requests with slowest response times

Top 5 slowest requests based on their average response times.

| Request | Resp. time (Avg ms) | 90th (ms) | 95th (ms) | 99th (ms) | Min (ms) | Max (ms) |
|--|---------------------|-----------|-----------|-----------|----------|----------|
| POST Post Authentication http://localhost:10001/authentication | 182 | 296 | 364 | 529 | 79 | 1,174 |
| POST Post User http://localhost:10001/users | 173 | 292 | 354 | 520 | 72 | 961 |
| POST Post Project http://localhost:10001/projects | 162 | 337 | 418 | 657 | 30 | 1,172 |
| GET Get Project http://localhost:10001/projects/{{projectId}} | 111 | 228 | 295 | 447 | 20 | 932 |

1.4 Requests with most errors

Top 5 requests with the most errors, along with the most frequently occurring errors for each request.

| Request | Total error count | Error 1 | Error 2 | Other errors |
|---|-------------------|----------------------------------|------------------------|--------------|
| GET Get Project http://localhost:10001/projects/{{projectId}} | 4,294 | 403 Forbidden (1048) | 400 Bad Request (3246) | 0 |
| POST Post Project http://localhost:10001/projects | 3,246 | 500 Internal Server Error (3246) | - | 0 |

2. Metrics for each request

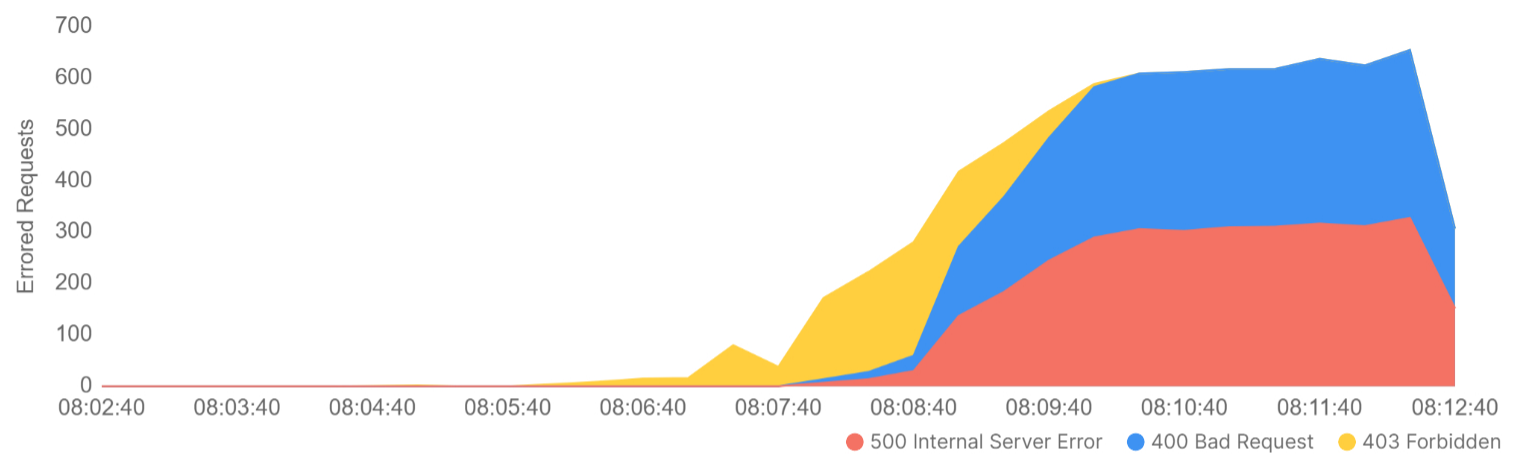
The requests are shown in the order they were sent by virtual users.

| Request | Total requests | Requests/s | Min (ms) | Avg (ms) | 90th (ms) | Max (ms) | Error % |
|--|----------------|------------|----------|----------|-----------|----------|---------|
| POST Post User http://localhost:10001/users | 7,563 | 12.47 | 72 | 173 | 292 | 961 | 0 |
| POST Post Authentication http://localhost:10001/authentication | 7,560 | 12.46 | 79 | 182 | 296 | 1,174 | 0 |
| POST Post Project http://localhost:10001/projects | 7,557 | 12.46 | 30 | 162 | 337 | 1,172 | 42.95 |
| GET Get Project http://localhost:10001/projects/{{projectId}} | 7,557 | 12.46 | 20 | 111 | 228 | 932 | 56.82 |

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.



3.2 Error distribution for requests

Errored requests grouped by error class, along with the error count for each class.

| Error class | Total counts |
|---------------------------|--------------|
| 500 Internal Server Error | 3246 |
| POST Post Project | 3,246 |
| 400 Bad Request | 3246 |
| GET Get Project | 3,246 |
| 403 Forbidden | 1048 |
| GET Get Project | 1,048 |



Testing API performance on Postman

Postman enables you to simulate user traffic and observe how your API behaves under load. It also helps you identify any issues or bottlenecks that affect performance.

Learn more about [testing API performance](#).