Performance Test Report - Sep 23, 2025 (#2)

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Postman collection: Tutorial

Report exported on: Sep 23, 2025, 18:25:17 (GMT+6)

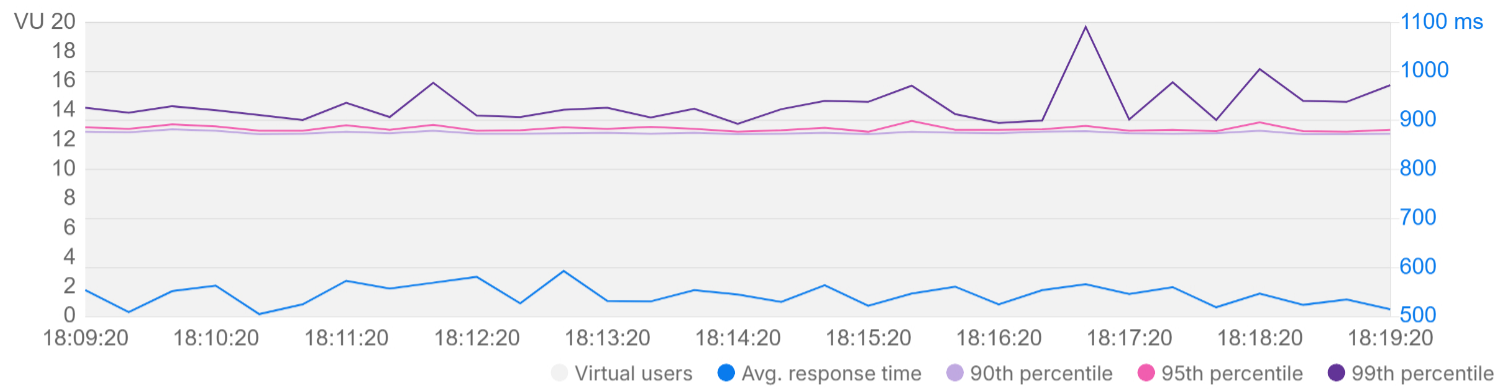## Test setup

Virtual users	Start time	Load profile
20 VU	Sep 23, 18:09:18 (GMT+6)	Fixed

Duration	End time	Environment
10 minutes	Sep 23, 18:19:26 (GMT+6)	Tutorial_Env

1. Summary

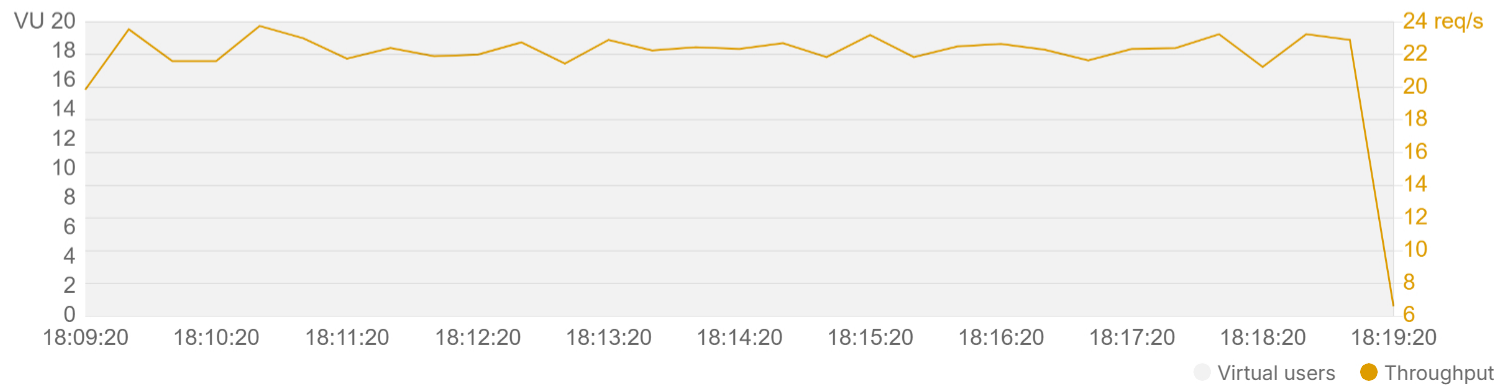| Total requests sent	Throughput	Average response time	Error rate
13,525	22.27 requests/second	545 ms	66.51 %

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)
GET Get an Order {{baseUrl}}/orders/:orderId	557	876	885	946	306	1,170
POST Register API Client {{baseUrl}}/api-clients	552	875	884	938	309	1,144
PATCH Update an order {{baseUrl}}/orders/:orderId	552	876	886	929	307	1,882
GET List Books {{baseUrl}}/books?type=non-fiction	546	875	884	921	308	1,198
DELETE Delete an order {{baseUrl}}/orders/:orderId	546	875	883	926	308	1,919

1.4 Requests with most errors

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

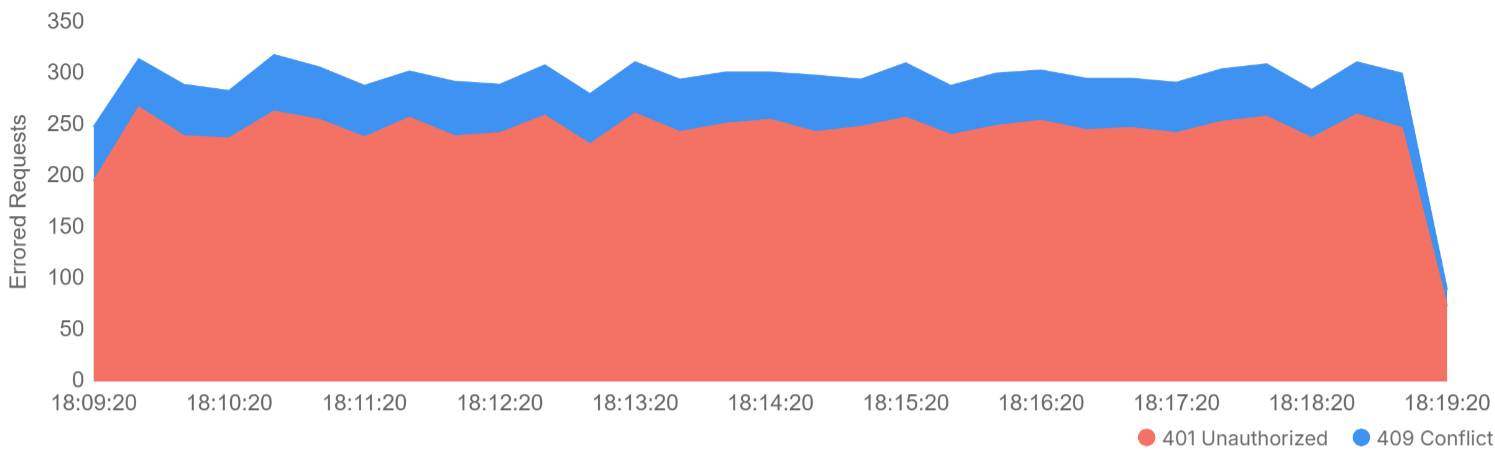| Request	Total error count	Error 1	Error 2	Other errors
POST Register API Client {{baseUrl}}/api-clients	1,510	409 Conflict (1510)	-	0
POST Order Book {{baseUrl}}/orders	1,501	401 Unauthorized (1501)	-	0
GET Get all Book Orders {{baseUrl}}/orders	1,498	401 Unauthorized (1498)	-	0
GET Get an Order {{baseUrl}}/orders/:orderId	1,497	401 Unauthorized (1497)	-	0
PATCH Update an order {{baseUrl}}/orders/:orderId	1,495	401 Unauthorized (1495)	-	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 %
GET API Status {{baseUrl}}/status	1,514	2.49	301	529	870	1,142	0
POST Register API Client {{baseUrl}}/api-clients	1,511	2.49	309	552	875	1,144	99.93
GET List Books {{baseUrl}}/books?type=non-fiction	1,507	2.48	308	546	875	1,198	0
GET Get Single Book {{baseUrl}}/books/:id	1,503	2.48	306	535	874	1,149	0
POST Order Book {{baseUrl}}/orders	1,502	2.47	306	543	876	1,157	99.93
GET Get all Book Orders {{baseUrl}}/orders	1,499	2.47	307	544	876	1,158	99.93
GET Get an Order {{baseUrl}}/orders/:orderId	1,498	2.47	306	557	876	1,170	99.93
PATCH Update an order {{baseUrl}}/orders/:orderId	1,496	2.46	307	552	876	1,882	99.93
DELETE Delete an order {{baseUrl}}/orders/:orderId	1,495	2.46	308	546	875	1,919	99.93

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.

● 401 Unauthorized ● 409 Conflict

3.2 Error distribution for requests

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

Error class	Total counts
401 Unauthorized	7485
POST Order Book	1,501
GET Get all Book Orders	1,498
GET Get an Order	1,497
PATCH Update an order	1,495
DELETE Delete an order	1,494
409 Conflict	1510
POST Register API Client	1,510

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.

POSTMAN