Performance test report - Sep 9, 2024 (#9)

Postman collection: TFG REST

Report exported on: Sep 9, 2024, 11:41:29 (GMT+2)

Test setup

Virtual users	Start time	Load profile
20 VU	Sep 9, 11:39:02 (GMT+2)	Ramp up (40 seconds)

Duration	End time	Environment
2 minutes	Sep 9, 11:41:08 (GMT+2)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
48,193	381.05 requests/second	7 ms	16.93 %

1.1 Response time

Response time trends during the test duration.

Virtual users • Avg. response time • 90th percentile • 95th percentile • 99th percentile
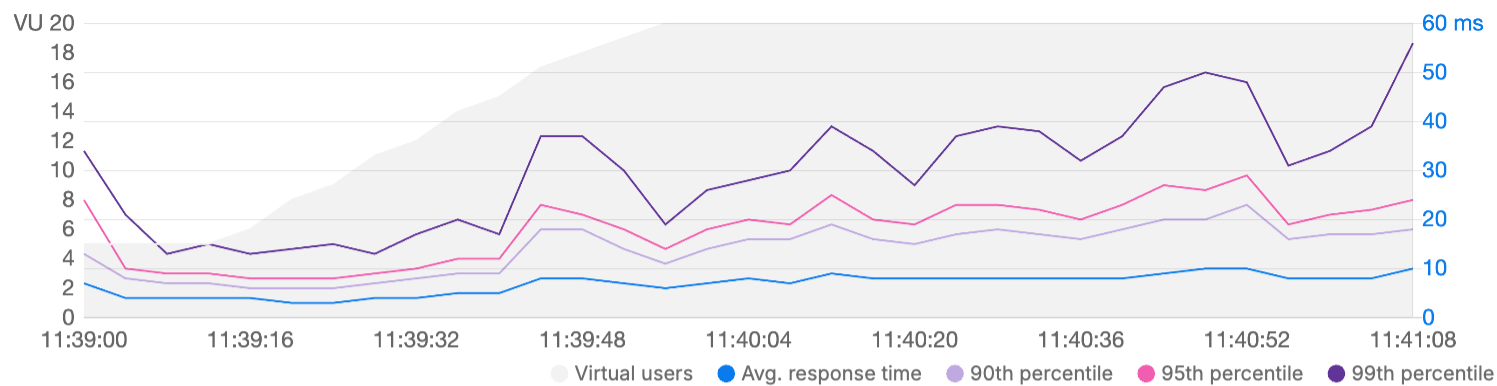
1.2 Throughput

Rate of requests sent per second during the test duration.

Virtual users • Throughput
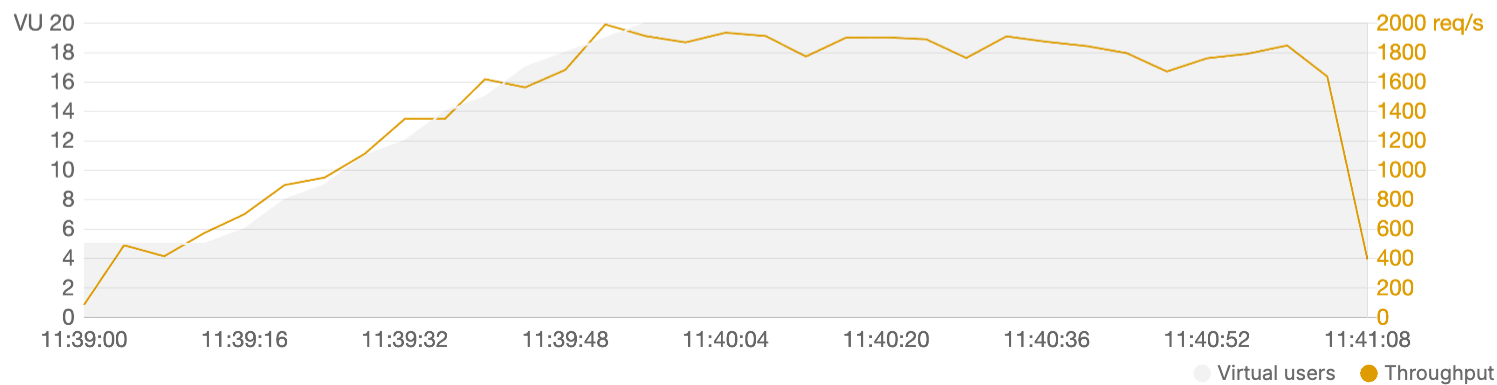
1.3 Requests with slowest response times

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 List {{restUrl}}/chats?eager=true	18	34	41	66	3	115
PUT Update {{restUrl}}/users/{{userId}}	12	22	27	46	3	64
PUT Update {{restUrl}}/posts/{{postId}}	12	23	28	40	3	68
PUT Update {{restUrl}}/comments/{{commentId}}	12	22	27	38	3	74
PUT Update {{restUrl}}/messages/{{messageId}}	12	21	26	41	3	110

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 **Create** {{restUrl}}/users/	1,342	500 Internal Server Error (1342)	-	0
GET **Get** {{restUrl}}/chats/{{chatId}}?eager=true	1,335	404 Not Found (1335)	-	0
POST **Add users** {{restUrl}}/chats/{{chatId}}/users	1,335	500 Internal Server Error (1335)	-	0
GET **GET** {{restUrl}}/redis/{{redisKey}}	1,334	404 Not Found (1334)	-	0
PATCH **Patch update** {{restUrl}}/users/{{userId}}	1,158	500 Internal Server Error (1158)	-	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 **Create** {{restUrl}}/users/	1,342	10.61	3	9	16	104	100
GET **List** {{restUrl}}/users	1,342	10.61	1	5	10	60	0
GET **Get** {{restUrl}}/users/{{userId}}	1,341	10.60	1	5	11	62	27.44
GET **Get Chat Messages** {{restUrl}}/users/{{userId}}/chat/{{chatId}}/messages	1,341	10.60	1	7	13	53	0

GET Get Messages {{restUrl}}/users/{{userId}}/messages	1,341	10.60	1	6	12	52	0
GET Get Comments {{restUrl}}/users/{{userId}}/comments	1,341	10.60	1	6	12	48	0
GET Get Posts {{restUrl}}/users/{{userId}}/posts	1,341	10.60	1	6	13	58	0
DELETE Delete {{restUrl}}/users/{{userId}}	1,341	10.60	2	7	13	64	0
PATCH Patch update {{restUrl}}/users/{{userId}}	1,341	10.60	2	8	17	69	86.35
PUT Update {{restUrl}}/users/{{userId}}	1,340	10.60	3	12	22	64	1.57
POST Create {{restUrl}}/posts/	1,340	10.60	3	9	18	68	0
GET List {{restUrl}}/posts	1,340	10.60	2	7	14	59	0
GET Get {{restUrl}}/posts/{{postId}}	1,340	10.60	1	4	10	41	16.12
DELETE Delete {{restUrl}}/posts/{{postId}}	1,340	10.60	2	7	14	63	0
PUT Update {{restUrl}}/posts/{{postId}}	1,340	10.60	3	12	23	68	1.42
PATCH Patch update {{restUrl}}/posts/{{postId}}	1,340	10.60	3	9	17	59	13.58
POST Create {{restUrl}}/comments/	1,340	10.60	2	9	18	65	0
GET List {{restUrl}}/comments	1,339	10.59	2	7	14	63	0

GET Get {{restUrl}}/comments/{{commentId}}	1,339	10.59	1	4	10	62	15.61
DELETE Delete {{restUrl}}/comments/{{commentId}}	1,339	10.59	2	7	13	92	0
PUT Update {{restUrl}}/comments/{{commentId}}	1,339	10.59	3	12	22	74	0.97
PATCH Patch update {{restUrl}}/comments/{{commentId}}	1,339	10.59	2	9	17	64	14.71
POST Create {{restUrl}}/messages/	1,339	10.59	3	9	18	119	0
GET List {{restUrl}}/messages	1,339	10.59	1	6	12	61	0
GET Get {{restUrl}}/messages/{{messageId}}	1,339	10.59	1	4	10	55	15.68
DELETE Delete {{restUrl}}/messages/{{messageId}}	1,337	10.57	2	7	13	61	0
PUT Update {{restUrl}}/messages/{{messageId}}	1,337	10.57	3	12	21	110	0.97
PATCH Patch update {{restUrl}}/messages/{{messageId}}	1,337	10.57	2	9	17	114	15.41
POST Create {{restUrl}}/chats/	1,336	10.56	2	9	17	80	0
GET List {{restUrl}}/chats?eager=true	1,335	10.56	3	18	34	115	0
GET Get {{restUrl}}/chats/{{chatId}}?eager=true	1,335	10.56	1	4	10	87	100
DELETE Delete {{restUrl}}/chats/{{chatId}}	1,335	10.56	2	6	12	57	0

POST **Add users** {{restUrl}}/chats/{{chatId}}/users	1,335	10.56	1	4	10	43	100
GET **PING** {{restUrl}}/redis	1,335	10.56	1	2	3	39	0
GET **GET** {{restUrl}}/redis/{{redisKey}}	1,334	10.55	1	2	3	36	100
POST **SET** {{restUrl}}/redis/	1,334	10.55	1	2	3	36	0

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.
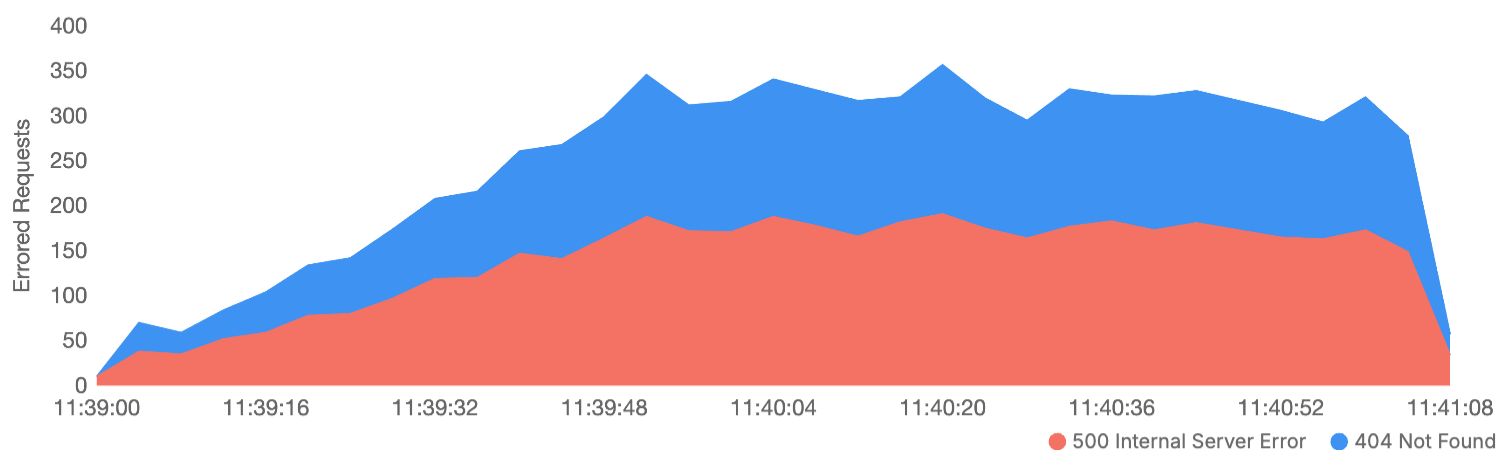
3.2 Error distribution for requests

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

Error class	Total counts
500 Internal Server Error	4486
POST Create	1,342
PATCH Patch update	1,158
PUT Update	21
PUT Update	19
PATCH Patch update	182
PUT Update	13
PATCH Patch update	197
PUT Update	13
PATCH Patch update	206
POST Add users	1,335
404 Not Found	3672
GET Get	368
GET Get	216
GET Get	209
GET Get	210
GET Get	1,335
GET GET	1,334

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