

Performance test report - Jun 20, 2024 (#42)

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Report exported on: Jun 24, 2024, 13:21:37 (GMT+1)

Test setup

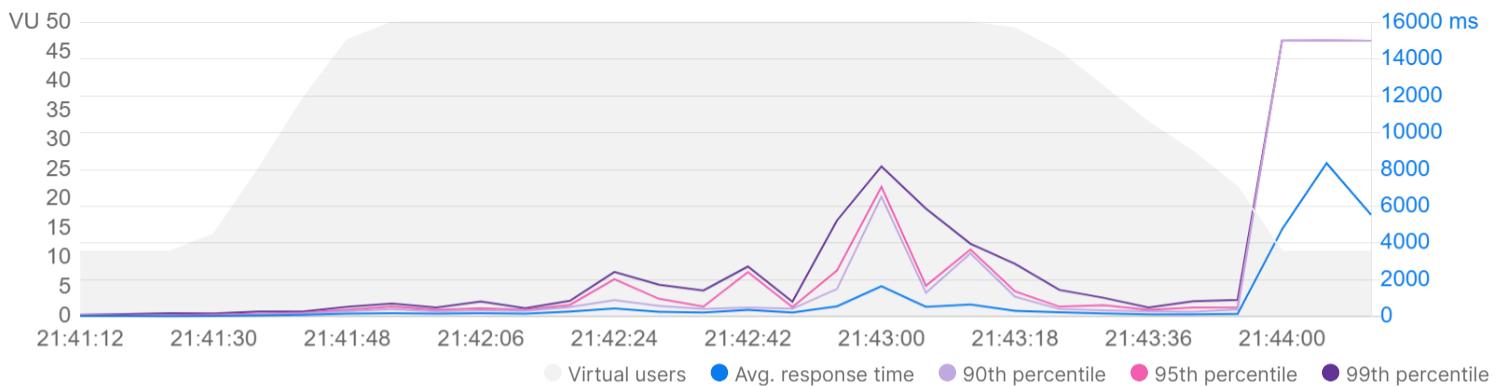
Virtual users	Start time	Load profile
50 VU	Jun 20, 21:41:08 (GMT+1)	Peak
Duration	End time	Environment
3 minutes	Jun 20, 21:44:17 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
20,460	108.11 requests/second	242 ms	0.41 %

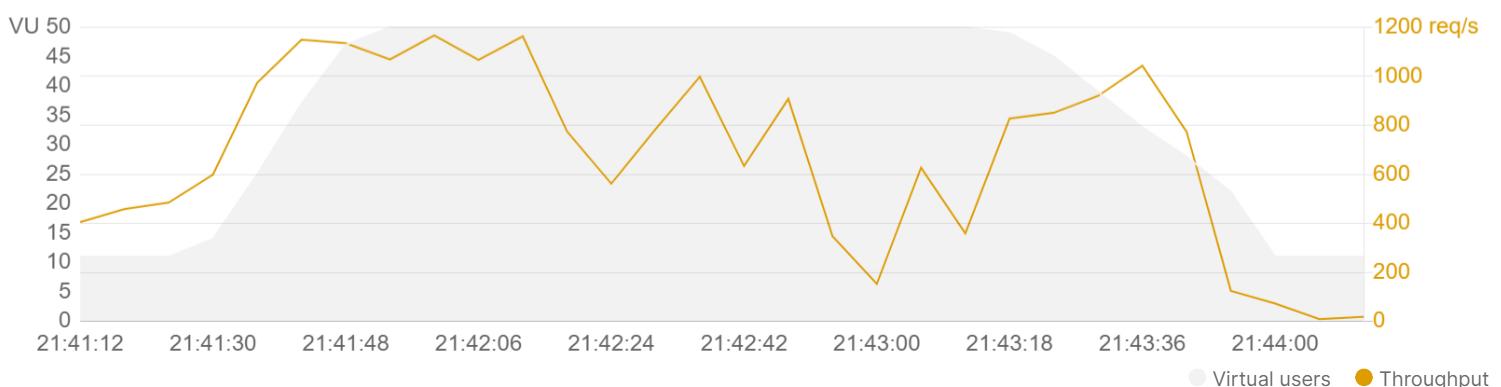
1.1 Response time

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 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	978	1,108	3,243	15,010	28	15,013
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	680	1,361	2,635	15,008	31	15,011
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	488	1,229	2,057	3,029	29	15,007
GET 22- /api/recommendations? productIds=1YMWWN1N4O http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O	395	561	915	5,438	19	7,785
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	388	569	949	3,441	20	8,172

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 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	29	500 Internal Server Error (3)	504 Gateway Timeout (26)	0
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	9	500 Internal Server Error (1)	504 Gateway Timeout (8)	0
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	7	500 Internal Server Error (7)	-	0
GET 20- /api/products/OLJCESPC7Z http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z	6	500 Internal Server Error (6)	-	0
GET 21- /api/recommendations?productIds=OPUK6V6EV0 http://{{IP}}:{{PORT}}/api/recommendations? productIds=OPUK6V6EV0	5	500 Internal Server Error (5)	-	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 1- / http://{{IP}}:{{PORT}}/	626	3.31	20	192	290	3,544	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	625	3.30	10	116	186	2,535	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	625	3.30	12	139	249	2,570	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	623	3.29	12	148	253	3,606	0

POST 4- /api/checkout	620	3.28	28	978	1,108	15,013	4.68
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 2	595	3.14	13	144	240	3,648	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 3	594	3.14	13	150	242	3,591	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy	586	3.10	31	680	1,361	15,011	1.54
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 4	583	3.08	13	157	251	1,456	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 5	583	3.08	13	152	263	3,608	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy 2	576	3.04	29	488	1,229	15,007	0.17
http://{{IP}}:{{PORT}}/api/checkout							
GET 5- /api/data	576	3.04	11	125	218	3,564	0
http://{{IP}}:{{PORT}}/api/data							
GET 6- /api/data?contextKeys=assembly	576	3.04	11	122	215	3,565	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly							
GET 7- /api/data?contextKeys=binoculars	576	3.04	11	117	205	2,472	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars							
GET 8- /api/data?contextKeys=books	576	3.04	11	123	221	2,488	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=books							
GET 9- /api/data?contextKeys=telescopes	576	3.04	11	115	213	3,477	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes							
GET 10- /api/data/?contextKeys=travel	576	3.04	10	109	189	3,563	0
http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel							
GET 11- /api/products/OPUK6V6EVO	576	3.04	10	124	212	2,367	0.35
http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO							

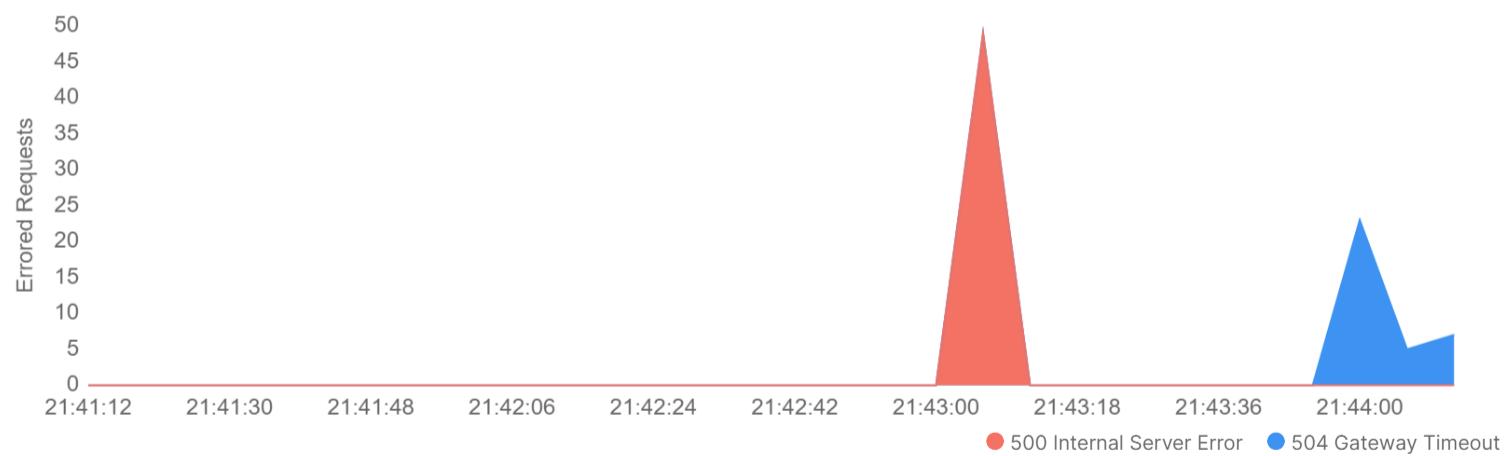
GET 12- /api/products/1YMWWN1N4O	576	3.04	9	121	186	3,341	0
http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O							
GET 13- /api/products/2ZYFJ3GM2N	576	3.04	10	133	215	3,322	0.35
http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N							
GET 14- /api/products/66VCHSJNUP	576	3.04	9	117	211	3,317	0.17
http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP							
GET 15- /api/products/6E92ZMYYFZ	576	3.04	10	121	198	2,430	0
http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ							
GET 16- /api/products/9SIQT8TOJO	576	3.04	11	125	196	2,368	0
http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO							
GET 17- /api/products/HQTGWGPNH4	576	3.04	9	125	198	2,405	0
http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4							
GET 18- /api/products/L9ECAV7KIM	576	3.04	11	117	189	2,383	0.35
http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM							
GET 19- /api/products/LS4PSXUNUM	576	3.04	11	117	174	3,271	0.52
http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM							
GET 20- /api/products/OLJCESPC7Z	576	3.04	12	317	266	8,595	1.04
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z							
GET 21- /api/recommendations? productIds=OPUK6V6EV0	576	3.04	19	361	610	6,182	0.87
http://{{IP}}:{{PORT}}/api/recommendations? productIds=OPUK6V6EV0							
GET 22- /api/recommendations? productIds=1YMWWN1N4O	576	3.04	19	395	561	7,785	0.87
http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O							
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N	576	3.04	20	388	569	8,172	1.22
http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N							

GET 24- /api/recommendations? productIds=66VCHSJNUP	576	3.04	20	374	663	7,061	0.52
http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP							
GET 25- /api/recommendations? productIds=6E92ZMYYFZ	576	3.04	20	376	555	6,889	0.35
http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ							
GET 26- /api/recommendations? productIds=9SIQT8TOJO	576	3.04	18	371	549	8,276	0.35
http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO							
GET 27- /api/recommendations? productIds=HQTGWGPNH4	576	3.04	19	340	523	6,718	0.35
http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4							
GET 28- /api/recommendations? productIds=L9ECAV7KIM	576	3.04	20	351	524	6,634	0.52
http://{{IP}}:{{PORT}}/api/recommendations?L9ECAV7KIM							

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	49
POST 4- /api/checkout	3
POST 4- /api/checkout Copy	1
GET 11- /api/products/0PUK6V6EVO	2
GET 13- /api/products/2ZYFJ3GM2N	2
GET 14- /api/products/66VCHSJNUP	1
GET 18- /api/products/L9ECAV7KIM	2
GET 19- /api/products/LS4PSXUNUM	3
GET 20- /api/products/OLJCESPC7Z	6
GET 21- /api/recommendations?productIds=0PUK6V6EVO	5
GET 22- /api/recommendations?productIds=1YMWNN1N4O	5
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	7
GET 24- /api/recommendations?productIds=66VCHSJNUP	3
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	2
GET 26- /api/recommendations?productIds=9SIQT8TOJO	2
GET 27- /api/recommendations?productIds=HQTGWGPNH4	2
GET 28- /api/recommendations?productIds=L9ECAV7KIM	3
504 Gateway Timeout	35
POST 4- /api/checkout	26
POST 4- /api/checkout Copy	8
POST 4- /api/checkout Copy 2	1



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](#).