

Performance test report - Jul 20, 2024 (#59)

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Report exported on: Jul 20, 2024, 20:28:00 (GMT+1)

Test setup

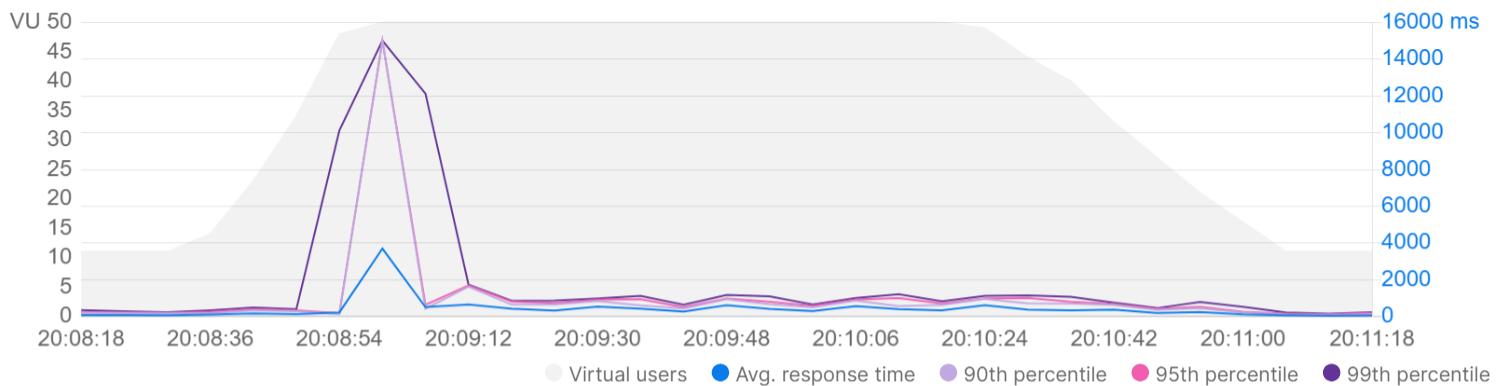
Virtual users	Start time	Load profile
50 VU	Jul 20, 20:08:15 (GMT+1)	Peak
Duration	End time	Environment
3 minutes	Jul 20, 20:11:23 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
15,471	82.21 requests/second	350 ms	2.53 %

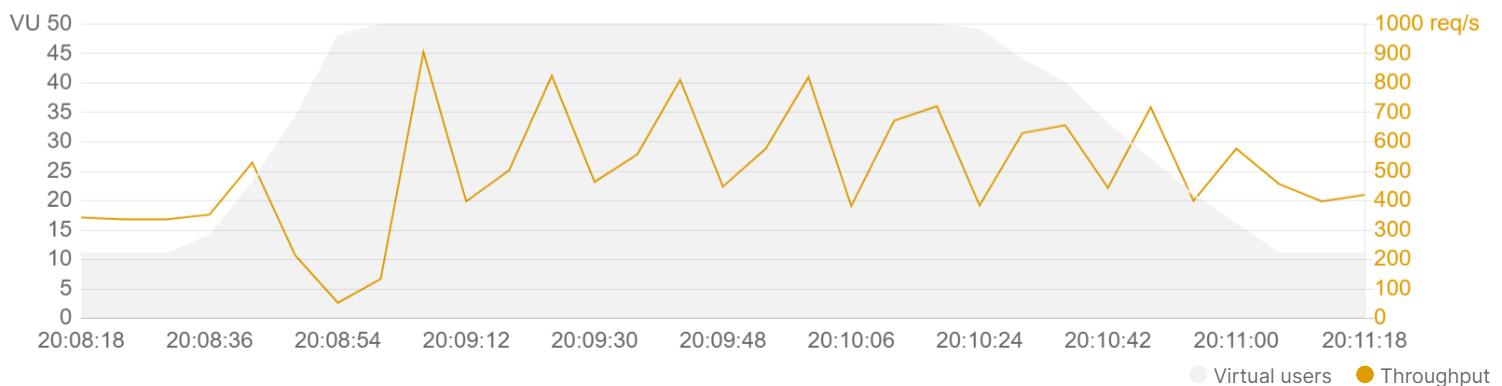
1.1 Response time

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	1,594	3,510	15,008	15,016	35	15,018
GET 21- /api/recommendations? productIds=0PUK6V6EVO http://{{IP}}:{{PORT}}/api/recommendations? productIds=0PUK6V6EVO	585	1,103	1,585	1,692	22	1,726
GET 22- /api/recommendations? productIds=1YMWWN1N4O http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O	528	882	975	1,715	22	1,799
GET 25- /api/recommendations? productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	526	946	986	1,178	21	1,689
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	524	876	1,085	1,207	20	1,635

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 Copy http://{{IP}}:{{PORT}}/api/checkout	49	504 Gateway Timeout (4)	500 Internal Server Error (45)	0
GET 24- /api/recommendations?productIds=66VCHSJNUP http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP	47	500 Internal Server Error (47)	-	0
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	45	500 Internal Server Error (45)	-	0
GET 25- /api/recommendations?productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	43	500 Internal Server Error (43)	-	0
GET 22- /api/recommendations?productIds=1YMWWN1N4O http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O	41	500 Internal Server Error (41)	-	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}}/	473	2.51	21	389	760	1,249	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	471	2.50	11	210	405	1,055	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	468	2.49	13	253	483	1,166	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	462	2.45	12	280	470	1,090	0

POST 4- /api/checkout	457	2.43	35	1,594	3,510	15,018	8.53
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 2	452	2.40	13	307	505	1,163	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 3	446	2.37	14	283	494	1,093	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy	446	2.37	38	488	693	15,021	10.99
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 4	445	2.36	13	325	576	1,059	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 5	443	2.35	13	303	490	1,103	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy 2	442	2.35	36	329	504	10,135	7.47
http://{{IP}}:{{PORT}}/api/checkout							
GET 5- /api/data	442	2.35	11	241	412	825	0
http://{{IP}}:{{PORT}}/api/data							
GET 6- /api/data?contextKeys=assembly	442	2.35	12	235	411	1,077	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly							
GET 7- /api/data?contextKeys=binoculars	442	2.35	13	236	413	726	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars							
GET 8- /api/data?contextKeys=books	442	2.35	12	245	435	784	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=books							
GET 9- /api/data?contextKeys=telescopes	442	2.35	12	240	421	947	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes							
GET 10- /api/data/?contextKeys=travel	442	2.35	12	226	384	723	0
http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel							
GET 11- /api/products/OPUK6V6EVO	440	2.34	11	168	291	829	0
http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO							

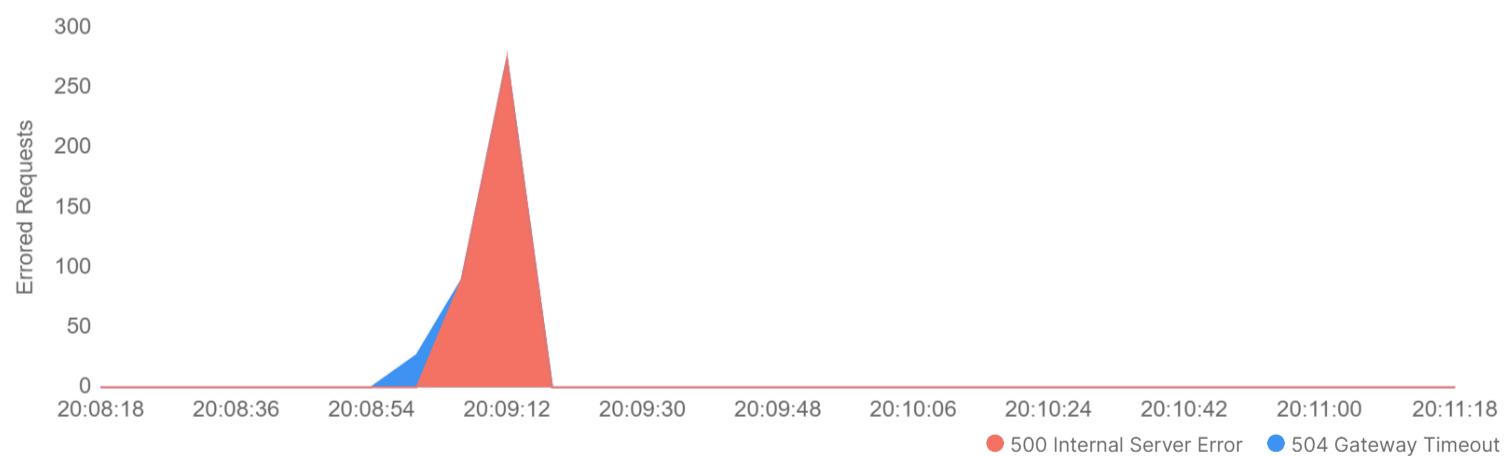
GET 12- /api/products/1YMWWN1N4O	440	2.34	12	175	311	844	0
http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O							
GET 13- /api/products/2ZYFJ3GM2N	440	2.34	10	164	273	422	0
http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N							
GET 14- /api/products/66VCHSJNUP	439	2.33	11	171	285	433	0
http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP							
GET 15- /api/products/6E92ZMYYFZ	439	2.33	11	181	322	602	0
http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ							
GET 16- /api/products/9SIQT8TOJO	438	2.33	10	179	310	844	0
http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO							
GET 17- /api/products/HQTGWGPNH4	436	2.32	11	190	327	844	0
http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4							
GET 18- /api/products/L9ECAV7KIM	436	2.32	11	191	334	832	0.23
http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM							
GET 19- /api/products/LS4PSXUNUM	436	2.32	11	185	328	760	0.69
http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM							
GET 20- /api/products/OLJCESPC7Z	435	2.31	14	250	388	1,744	5.98
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z							
GET 21- /api/recommendations? productIds=OPUK6V6EV0	435	2.31	22	585	1,103	1,726	8.05
http://{{IP}}:{{PORT}}/api/recommendations? productIds=OPUK6V6EV0							
GET 22- /api/recommendations? productIds=1YMWWN1N4O	433	2.30	22	528	882	1,799	9.47
http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O							
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N	432	2.30	22	516	826	1,750	10.42
http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N							

GET 24- /api/recommendations? productIds=66VCHSJNUP	430	2.28	23	523	847	1,730	10.93
http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP							
GET 25- /api/recommendations? productIds=6E92ZMYYFZ	429	2.28	21	526	946	1,689	10.02
http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ							
GET 26- /api/recommendations? productIds=9SIQT8TOJO	428	2.27	20	524	876	1,635	3.97
http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO							
GET 27- /api/recommendations? productIds=HQTGWGPNH4	425	2.26	20	520	861	1,268	1.88
http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4							
GET 28- /api/recommendations? productIds=L9ECAV7KIM	423	2.25	21	479	833	1,239	0.95
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	364
POST 4- /api/checkout	16
POST 4- /api/checkout Copy	45
POST 4- /api/checkout Copy 2	33
GET 18- /api/products/L9ECAV7KIM	1
GET 19- /api/products/LS4PSXUNUM	3
GET 20- /api/products/OLJCESPC7Z	26
GET 21- /api/recommendations?productIds=OPUK6V6EV0	35
GET 22- /api/recommendations?productIds=1YMWNN1N40	41
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	45
GET 24- /api/recommendations?productIds=66VCHSJNUP	47
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	43
GET 26- /api/recommendations?productIds=9SIQT8TOJO	17
GET 27- /api/recommendations?productIds=HQTGWGPNH4	8
GET 28- /api/recommendations?productIds=L9ECAV7KIM	4
504 Gateway Timeout	27
POST 4- /api/checkout	23
POST 4- /api/checkout Copy	4



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](#).