

Performance test report - Jun 20, 2024 (#41)

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Report exported on: Jun 24, 2024, 13:21:53 (GMT+1)

Test setup

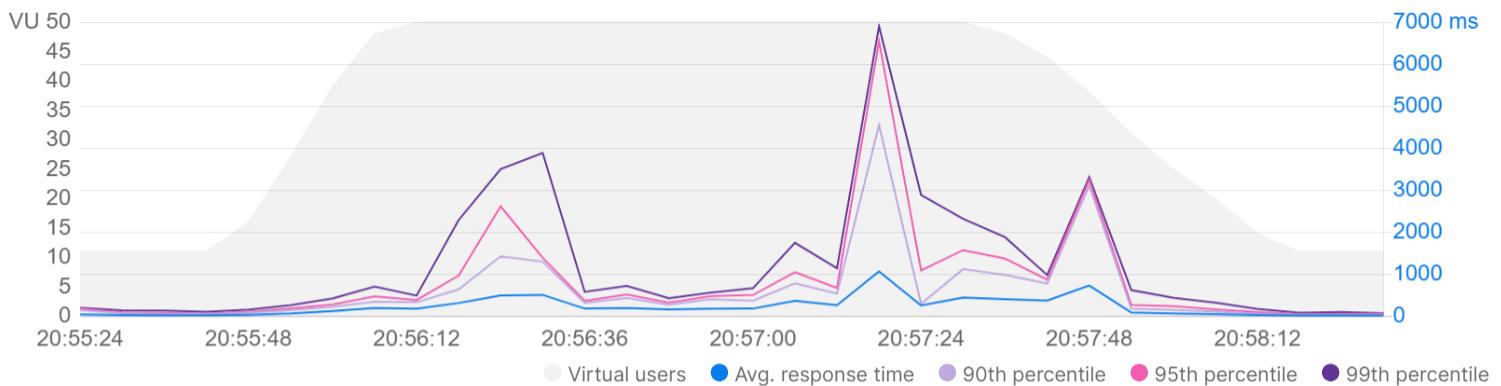
Virtual users	Start time	Load profile
50 VU	Jun 20, 20:55:25 (GMT+1)	Peak
Duration	End time	Environment
3 minutes	Jun 20, 20:58:34 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
22,869	120.94 requests/second	203 ms	1.13 %

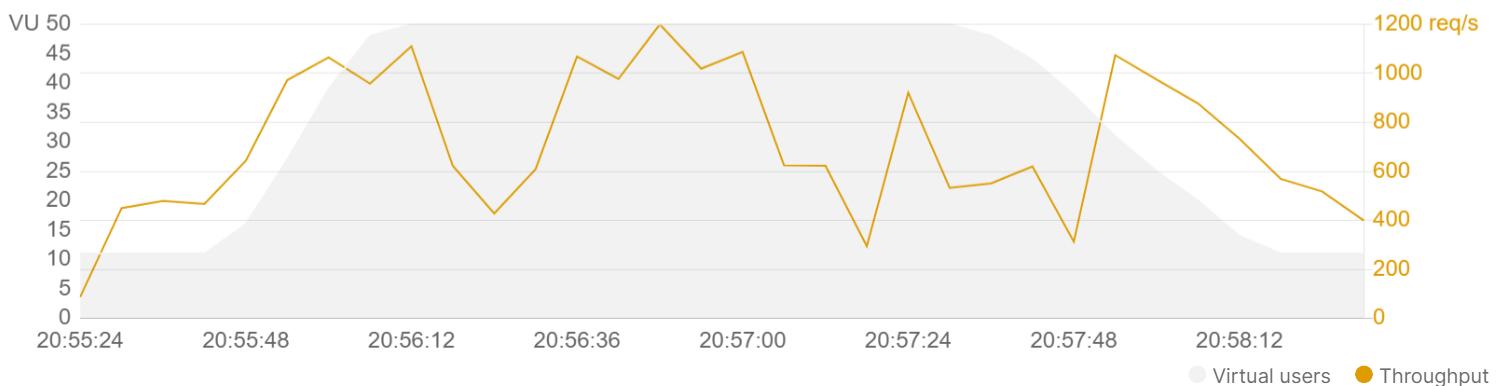
1.1 Response time

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 Copy http://{{IP}}:{{PORT}}/api/checkout	415	718	1,979	5,544	28	6,948
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	387	557	1,814	6,712	24	6,941
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	384	633	1,654	5,273	29	6,793
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	372	737	1,046	2,594	20	5,223
GET 25- /api/recommendations? productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	367	736	1,046	2,470	19	3,459

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 28- /api/recommendations?productIds=L9ECAV7KIM http://{{IP}}:{{PORT}}/api/recommendations?L9ECAV7KIM	33	500 Internal Server Error (33)	-	0
GET 27- /api/recommendations?productIds=HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/recommendations?productIds=HQTGWGPNH4	29	500 Internal Server Error (29)	-	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	28	500 Internal Server Error (28)	-	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	26	500 Internal Server Error (26)	-	0
GET 26- /api/recommendations?productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations?productIds=9SIQT8TOJO	24	500 Internal Server Error (24)	-	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}}/	688	3.64	20	195	368	1,917	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	685	3.62	10	109	221	1,601	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	683	3.61	13	156	304	2,171	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	679	3.59	12	144	278	1,773	0

POST 4- /api/checkout	676	3.57	29	384	633	6,793	4.14
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 2	673	3.56	12	155	316	1,475	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 3	670	3.54	12	152	296	1,802	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy	665	3.52	28	415	718	6,948	3.01
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 4	663	3.51	13	165	287	3,233	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 5	657	3.47	12	147	274	1,827	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy 2	654	3.46	24	387	557	6,941	3.98
http://{{IP}}:{{PORT}}/api/checkout							
GET 5- /api/data	649	3.43	11	127	253	1,964	0
http://{{IP}}:{{PORT}}/api/data							
GET 6- /api/data?contextKeys=assembly	648	3.43	11	110	220	563	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly							
GET 7- /api/data?contextKeys=binoculars	648	3.43	10	117	237	605	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars							
GET 8- /api/data?contextKeys=books	647	3.42	11	108	209	513	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=books							
GET 9- /api/data?contextKeys=telescopes	647	3.42	11	117	213	945	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes							
GET 10- /api/data/?contextKeys=travel	647	3.42	11	137	228	2,154	0
http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel							
GET 11- /api/products/OPUK6V6EVO	647	3.42	10	114	207	1,306	2.01
http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO							

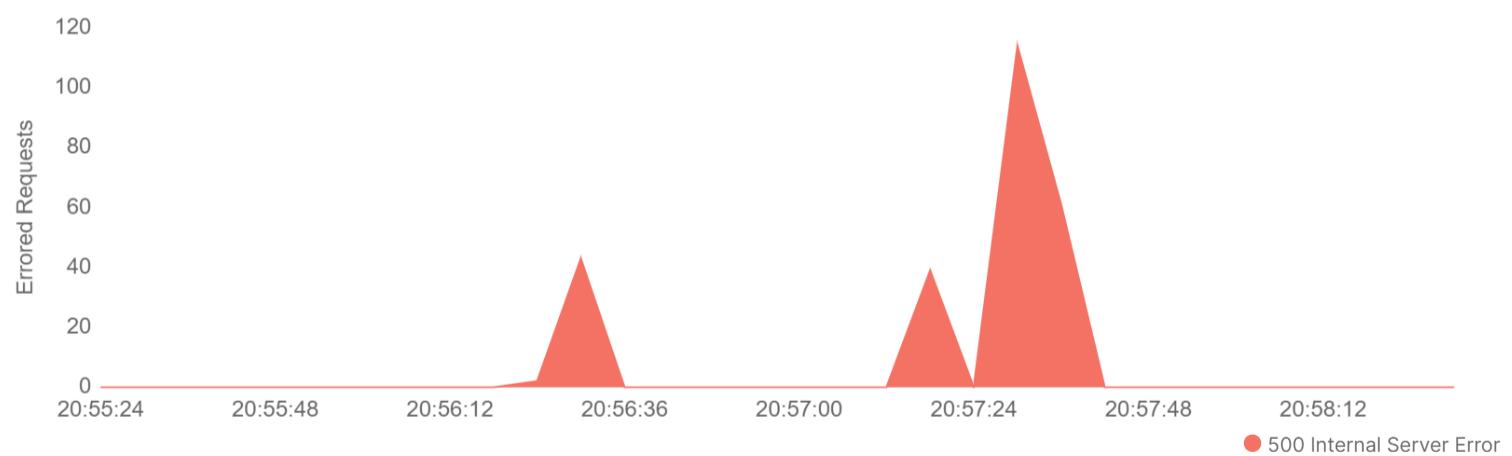
GET 12- /api/products/1YMWNN1N4O	646	3.42	9	114	223	1,455	0.93
http://{{IP}}:{{PORT}}/api/products/1YMWNN1N4O							
GET 13- /api/products/2ZYFJ3GM2N	646	3.42	9	106	200	956	0.77
http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N							
GET 14- /api/products/66VCHSJNUP	646	3.42	9	103	189	1,407	0.77
http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP							
GET 15- /api/products/6E92ZMYYFZ	646	3.42	10	112	205	1,388	0.77
http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ							
GET 16- /api/products/9SIQT8TOJO	646	3.42	10	112	202	1,401	0.46
http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO							
GET 17- /api/products/HQTGWGPNH4	645	3.41	9	108	218	1,358	0.47
http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4							
GET 18- /api/products/L9ECAV7KIM	645	3.41	10	110	222	1,491	0.78
http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM							
GET 19- /api/products/LS4PSXUNUM	645	3.41	10	127	237	1,523	1.4
http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM							
GET 20- /api/products/OLJCESPC7Z	643	3.40	11	204	286	4,490	1.71
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z							
GET 21- /api/recommendations? productIds=OPUK6V6EV0	643	3.40	19	361	671	3,912	0.93
http://{{IP}}:{{PORT}}/api/recommendations? productIds=OPUK6V6EV0							
GET 22- /api/recommendations? productIds=1YMWNN1N4O	643	3.40	19	310	613	3,321	0.62
http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWNN1N4O							
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N	643	3.40	19	336	624	3,449	0.31
http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N							

GET 24- /api/recommendations? productIds=66VCHSJNUP	642	3.40	19	352	648	3,511	1.09
http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP							
GET 25- /api/recommendations? productIds=6E92ZMYYFZ	641	3.39	19	367	736	3,459	2.34
http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ							
GET 26- /api/recommendations? productIds=9SIQT8TOJO	641	3.39	20	372	737	5,223	3.74
http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO							
GET 27- /api/recommendations? productIds=HQTGWGPNH4	641	3.39	19	327	623	3,792	4.52
http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4							
GET 28- /api/recommendations? productIds=L9ECAV7KIM	641	3.39	19	358	669	4,588	5.15
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	259
POST 4- /api/checkout	28
POST 4- /api/checkout Copy	20
POST 4- /api/checkout Copy 2	26
GET 11- /api/products/OPUK6V6EV0	13
GET 12- /api/products/1YMWNN1N4O	6
GET 13- /api/products/2ZYFJ3GM2N	5
GET 14- /api/products/66VCHSJNUP	5
GET 15- /api/products/6E92ZMYYFZ	5
GET 16- /api/products/9SIQT8TOJO	3
GET 17- /api/products/HQTGWGPNH4	3
GET 18- /api/products/L9ECAV7KIM	5
GET 19- /api/products/LS4PSXUNUM	9
GET 20- /api/products/OLJCESPC7Z	11
GET 21- /api/recommendations?productIds=OPUK6V6EV0	6
GET 22- /api/recommendations?productIds=1YMWNN1N4O	4
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	2
GET 24- /api/recommendations?productIds=66VCHSJNUP	7
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	15
GET 26- /api/recommendations?productIds=9SIQT8TOJO	24
GET 27- /api/recommendations?productIds=HQTGWGPNH4	29
GET 28- /api/recommendations?productIds=L9ECAV7KIM	33



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](#).