

Performance test report - Jun 20, 2024 (#40)

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Report exported on: Jun 24, 2024, 13:22:07 (GMT+1)

Test setup

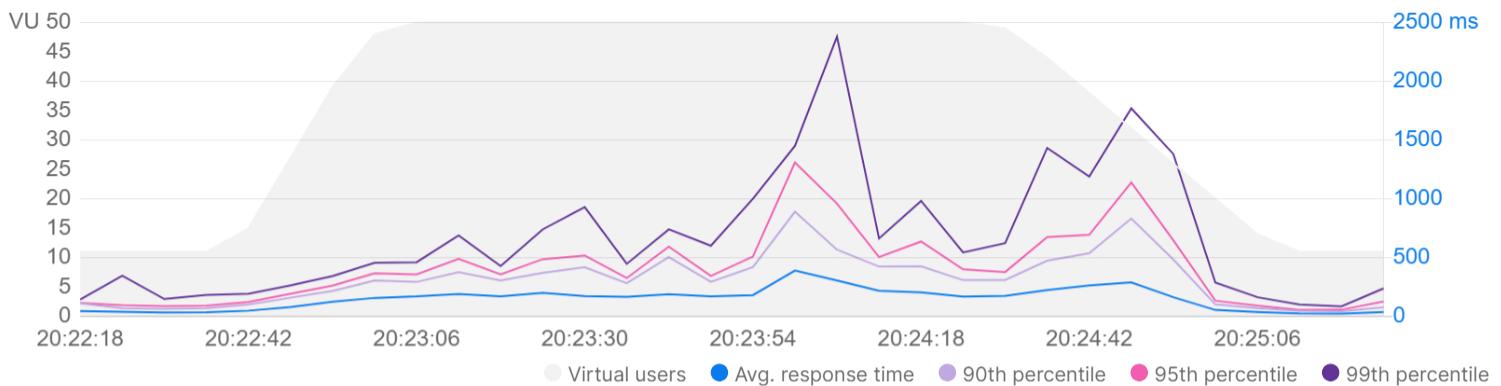
Virtual users	Start time	Load profile
50 VU	Jun 20, 20:22:20 (GMT+1)	Peak
Duration	End time	Environment
3 minutes	Jun 20, 20:25:28 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
26,333	139.85 requests/second	163 ms	0.78 %

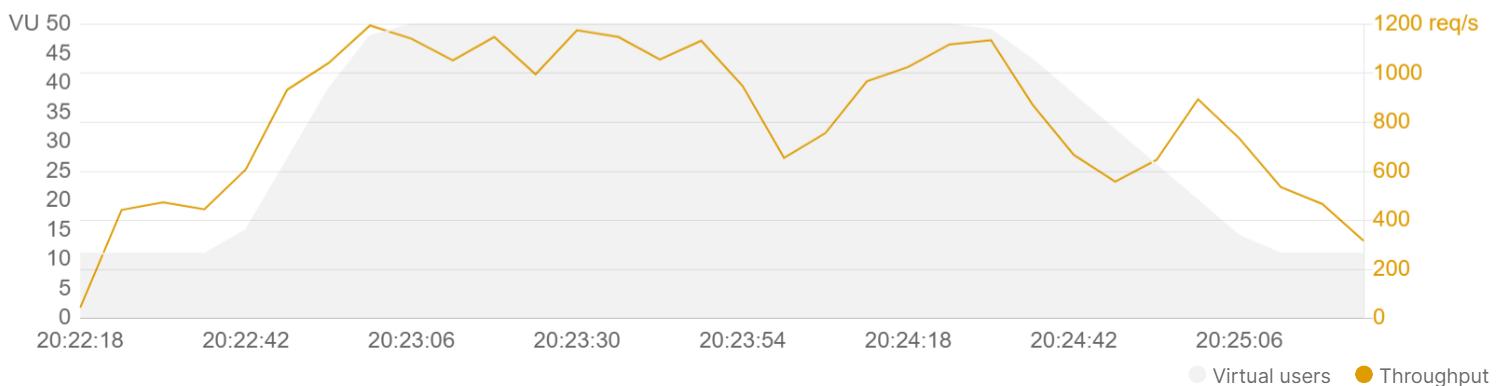
1.1 Response time

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 27- /api/recommendations? productIds=HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4	311	585	700	1,264	19	1,854
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	310	579	674	1,260	21	1,770
GET 25- /api/recommendations? productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	307	566	733	1,395	21	2,115
GET 28- /api/recommendations? productIds=L9ECAV7KIM http://{{IP}}:{{PORT}}/api/recommendations? productIds=L9ECAV7KIM	303	566	756	1,322	20	2,108
GET 24- /api/recommendations? productIds=66VCHSJNUP http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP	295	528	690	1,322	20	2,125

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	28	500 Internal Server Error (27)	503 Service Unavailable (1)	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	21	500 Internal Server Error (21)	-	0
GET 12- /api/products/1YMWWN1N4O http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O	17	500 Internal Server Error (17)	-	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	16	500 Internal Server Error (16)	-	0
GET 11- /api/products/OPUK6V6EVO http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO	16	500 Internal Server Error (16)	-	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}}/	786	4.17	20	165	280	1,295	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	786	4.17	10	93	171	645	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	786	4.17	12	129	232	1,120	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	779	4.14	12	135	228	1,362	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	777	4.13	28	236	436	2,007	2.06

POST 3- /api/cart Copy 2	766	4.07	11	132	236	1,121	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 3	764	4.06	12	128	218	1,321	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy	760	4.04	30	266	446	2,822	3.68
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 4	757	4.02	13	136	236	1,298	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 5	755	4.01	12	127	216	1,132	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy 2	753	4.00	31	240	431	2,378	2.79
http://{{IP}}:{{PORT}}/api/checkout							
GET 5- /api/data	751	3.99	11	114	206	1,249	0
http://{{IP}}:{{PORT}}/api/data							
GET 6- /api/data?contextKeys=assembly	750	3.98	11	113	195	1,281	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly							
GET 7- /api/data?contextKeys=binoculars	748	3.97	12	110	202	1,016	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars							
GET 8- /api/data?contextKeys=books	746	3.96	11	113	198	768	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=books							
GET 9- /api/data?contextKeys=telescopes	746	3.96	12	109	196	740	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes							
GET 10- /api/data/?contextKeys=travel	746	3.96	10	99	185	524	0
http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel							
GET 11- /api/products/OPUK6V6EVO	746	3.96	10	88	154	808	2.14
http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO							
GET 12- /api/products/1YMWWN1N4O	746	3.96	11	89	159	793	2.28
http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O							

GET 13- /api/products/2ZYFJ3GM2N	746	3.96	10	81	144	619	1.88
http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N							
GET 14- /api/products/66VCHSJNUP	746	3.96	9	87	152	1,040	1.88
http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP							
GET 15- /api/products/6E92ZMYYFZ	745	3.96	10	84	148	570	1.88
http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ							
GET 16- /api/products/9SIQT8TOJO	745	3.96	10	80	141	537	1.74
http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO							
GET 17- /api/products/HQTGWGPNH4	745	3.96	9	83	140	796	1.34
http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4							
GET 18- /api/products/L9ECAV7KIM	745	3.96	10	83	145	593	1.34
http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM							
GET 19- /api/products/LS4PSXUNUM	745	3.96	10	83	143	795	1.07
http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM							
GET 20- /api/products/OLJCESPC7Z	744	3.95	12	135	217	2,079	1.08
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z							
GET 21- /api/recommendations? productIds=0PUK6V6EV0	742	3.94	20	292	533	1,970	0.13
http://{{IP}}:{{PORT}}/api/recommendations? productIds=0PUK6V6EV0							
GET 22- /api/recommendations? productIds=1YMWWN1N4O	741	3.94	19	285	495	1,812	0.13
http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O							
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N	741	3.94	19	284	496	1,756	0.27
http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N							
GET 24- /api/recommendations? productIds=66VCHSJNUP	740	3.93	20	295	528	2,125	0.27
http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP							

GET 25- /api/recommendations? productIds=6E92ZMYYFZ	740	3.93	21	307	566	2,115	0.41
http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ							
GET 26- /api/recommendations? productIds=9SIQT8TOJO	740	3.93	21	310	579	1,770	0.14
http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO							
GET 27- /api/recommendations? productIds=HQTGWGPNH4	740	3.93	19	311	585	1,854	0.41
http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4							
GET 28- /api/recommendations? productIds=L9ECAV7KIM	740	3.93	20	303	566	2,108	0.41
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	204
POST 4- /api/checkout	16
POST 4- /api/checkout Copy	27
POST 4- /api/checkout Copy 2	21
GET 11- /api/products/OPUK6V6EV0	16
GET 12- /api/products/1YMWNN1N4O	17
GET 13- /api/products/2ZYFJ3GM2N	14
GET 14- /api/products/66VCHSJNUP	14
GET 15- /api/products/6E92ZMYYFZ	14
GET 16- /api/products/9SIQT8TOJO	13
GET 17- /api/products/HQWGPNH4	10
GET 18- /api/products/L9ECAV7KIM	10
GET 19- /api/products/LS4PSXUNUM	8
GET 20- /api/products/OLJCESPC7Z	8
GET 21- /api/recommendations?productIds=OPUK6V6EV0	1
GET 22- /api/recommendations?productIds=1YMWNN1N4O	1
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	2
GET 24- /api/recommendations?productIds=66VCHSJNUP	2
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	3
GET 26- /api/recommendations?productIds=9SIQT8TOJO	1
GET 27- /api/recommendations?productIds=HQWGPNH4	3
GET 28- /api/recommendations?productIds=L9ECAV7KIM	3
503 Service Unavailable	1
POST 4- /api/checkout Copy	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](#).