

Performance test report - Jun 30, 2024 (#46)

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Test setup

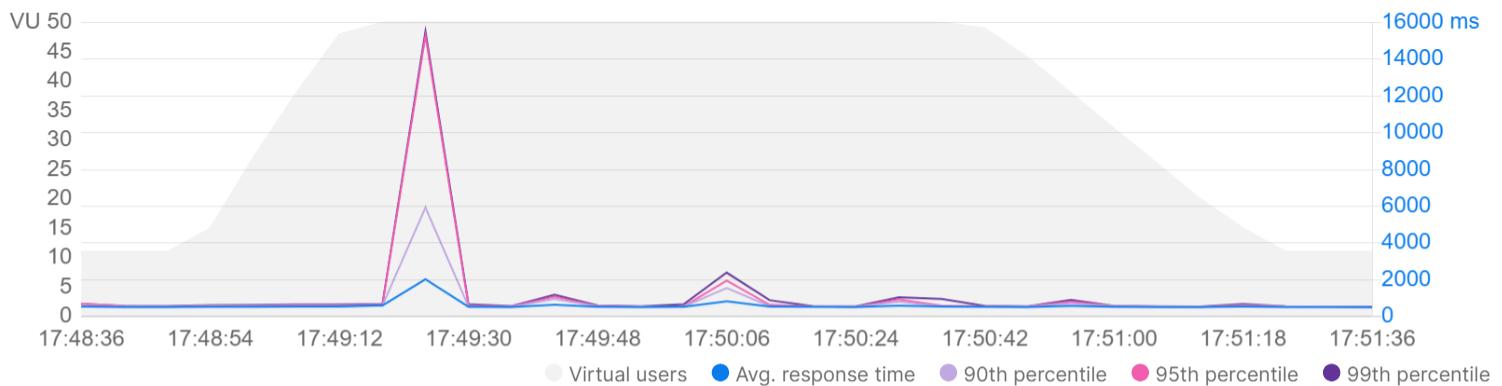
Virtual users	Start time	Load profile
50 VU	Jun 30, 17:48:31 (GMT+1)	Peak
Duration	End time	Environment
3 minutes	Jun 30, 17:51:40 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
9,717	51.38 requests/second	588 ms	1.12 %

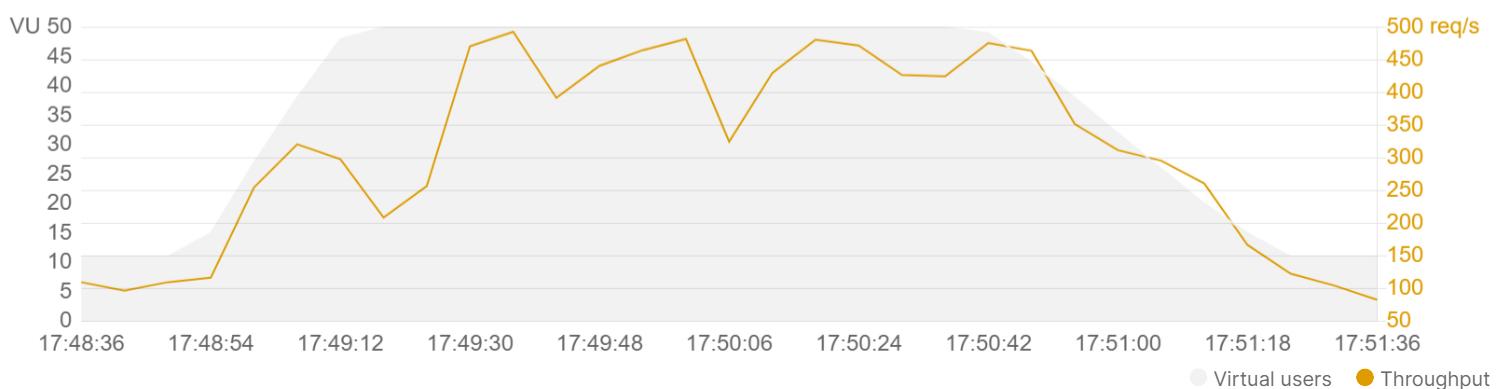
1.1 Response time

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	1,597	3,064	11,286	15,512	516	15,513
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	770	582	620	15,511	517	15,528
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	698	598	660	7,399	513	15,510
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	638	923	1,042	1,191	520	2,252
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	636	939	1,065	1,172	520	1,254

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	32	504 Gateway Timeout (5)	500 Internal Server Error (27)	0
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	16	504 Gateway Timeout (2)	500 Internal Server Error (14)	0
GET 24- /api/recommendations?productIds=66VCHSJNUP http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP	14	500 Internal Server Error (14)	-	0
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	12	500 Internal Server Error (12)	-	0
GET 25- /api/recommendations?productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	8	500 Internal Server Error (8)	-	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}}/	308	1.63	519	538	566	671	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	303	1.60	509	519	531	644	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	289	1.53	511	523	538	577	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	284	1.50	512	524	539	570	0

POST 4- /api/checkout	284	1.50	516	1,597	3,064	15,513	11.27
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 2	284	1.50	512	529	547	616	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 3	284	1.50	512	529	544	643	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy	284	1.50	513	698	598	15,510	5.63
http://{{IP}}:{{PORT}}/api/checkout							
POST 3- /api/cart Copy 4	284	1.50	512	524	537	600	0
http://{{IP}}:{{PORT}}/api/cart							
POST 3- /api/cart Copy 5	284	1.50	512	525	536	637	0
http://{{IP}}:{{PORT}}/api/cart							
POST 4- /api/checkout Copy 2	283	1.50	517	770	582	15,528	2.47
http://{{IP}}:{{PORT}}/api/checkout							
GET 5- /api/data	282	1.49	511	519	525	602	0
http://{{IP}}:{{PORT}}/api/data							
GET 6- /api/data?contextKeys=assembly	282	1.49	510	520	527	643	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly							
GET 7- /api/data?contextKeys=binoculars	282	1.49	510	520	527	656	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars							
GET 8- /api/data?contextKeys=books	281	1.49	511	519	527	597	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=books							
GET 9- /api/data?contextKeys=telescopes	281	1.49	510	518	527	562	0
http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes							
GET 10- /api/data/?contextKeys=travel	280	1.48	510	520	527	653	0
http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel							
GET 11- /api/products/OPUK6V6EVO	279	1.48	510	517	525	586	0
http://{{IP}}:{{PORT}}/api/products/OPUK6V6EVO							

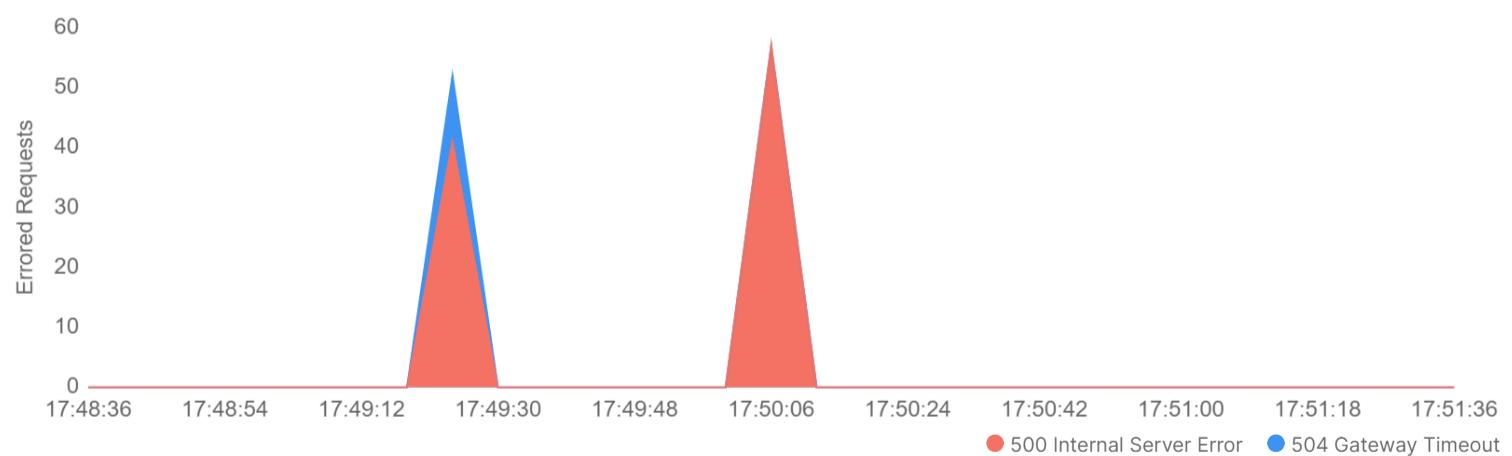
GET 12- /api/products/1YMWWN1N4O	279	1.48	509	519	525	634	0
http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O							
GET 13- /api/products/2ZYFJ3GM2N	279	1.48	509	520	529	671	0
http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N							
GET 14- /api/products/66VCHSJNUP	279	1.48	510	516	522	569	0
http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP							
GET 15- /api/products/6E92ZMYYFZ	278	1.47	510	517	523	591	0
http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ							
GET 16- /api/products/9SIQT8TOJO	277	1.46	510	518	525	566	0
http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO							
GET 17- /api/products/HQTGWGPNH4	277	1.46	509	518	526	669	0
http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4							
GET 18- /api/products/L9ECAV7KIM	276	1.46	509	516	523	571	0
http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM							
GET 19- /api/products/LS4PSXUNUM	274	1.45	509	517	522	596	0
http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM							
GET 20- /api/products/OLJCESPC7Z	272	1.44	510	583	550	2,634	0
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z							
GET 21- /api/recommendations? productIds=0PUK6V6EV0	266	1.41	519	611	669	2,579	0
http://{{IP}}:{{PORT}}/api/recommendations? productIds=0PUK6V6EV0							
GET 22- /api/recommendations? productIds=1YMWWN1N4O	262	1.39	518	634	881	2,173	2.67
http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O							
GET 23- /api/recommendations? productIds=2ZYFJ3GM2N	261	1.38	520	638	923	2,252	4.6
http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N							

GET 24- /api/recommendations? productIds=66VCHSJNUP	260	1.37	518	628	872	2,391	5.38
http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP							
GET 25- /api/recommendations? productIds=6E92ZMYYFZ	260	1.37	520	626	879	2,127	3.08
http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ							
GET 26- /api/recommendations? productIds=9SIQT8TOJO	260	1.37	520	636	939	1,254	1.92
http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO							
GET 27- /api/recommendations? productIds=HQTGWGPNH4	260	1.37	517	590	669	1,562	2.31
http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4							
GET 28- /api/recommendations? productIds=L9ECAV7KIM	259	1.37	519	594	722	1,600	0.77
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	98
POST 4- /api/checkout	27
POST 4- /api/checkout Copy	14
POST 4- /api/checkout Copy 2	3
GET 22- /api/recommendations?productIds=1YMWNN1N4O	7
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	12
GET 24- /api/recommendations?productIds=66VCHSJNUP	14
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	8
GET 26- /api/recommendations?productIds=9SIQT8TOJO	5
GET 27- /api/recommendations?productIds=HQTGWGPNH4	6
GET 28- /api/recommendations?productIds=L9ECAV7KIM	2
504 Gateway Timeout	11
POST 4- /api/checkout	5
POST 4- /api/checkout Copy	2
POST 4- /api/checkout Copy 2	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](#).