Performance test report - Jun 30, 2024 (#44)

Open in Postman

Postman collection: MasterThesisOriginal

Report exported on: Jun 30, 2024, 18:34:25 (GMT+1)

Test setup

Virtual users	**Start time**	**Load profile**
50 VU	Jun 30, 17:08:55 (GMT+1)	Peak
Duration	**End time**	**Environment**
3 minutes	Jun 30, 17:12:04 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
10,541	55.73 requests/second	531 ms	0.00 %

1.1 Response time

Response time trends during the test duration.

Virtual users ● Avg. response time ● 90th percentile ● 95th percentile ● 99th percentile
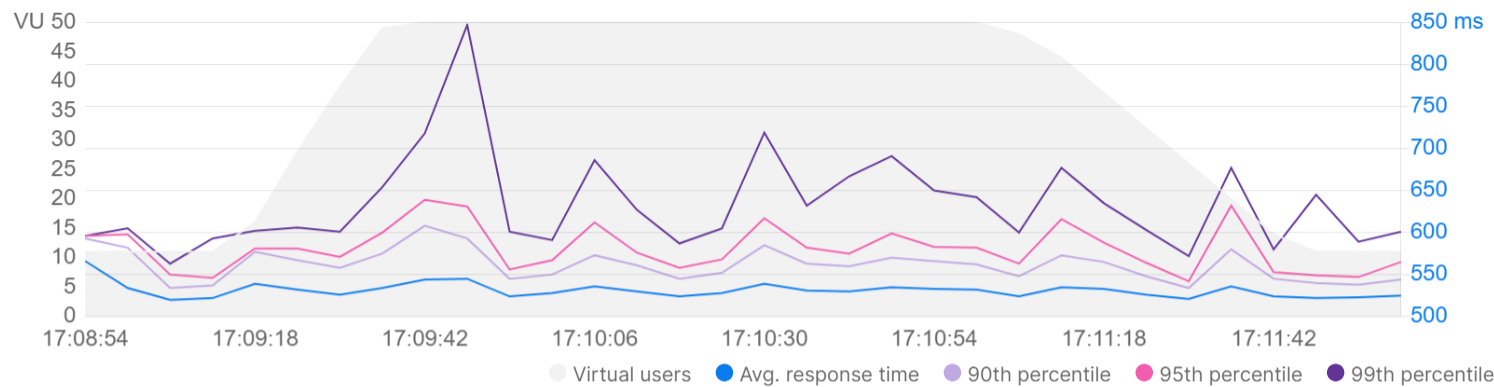
1.2 Throughput

Rate of requests sent per second during the test duration.

Virtual users ● Throughput

POSTMAN

1
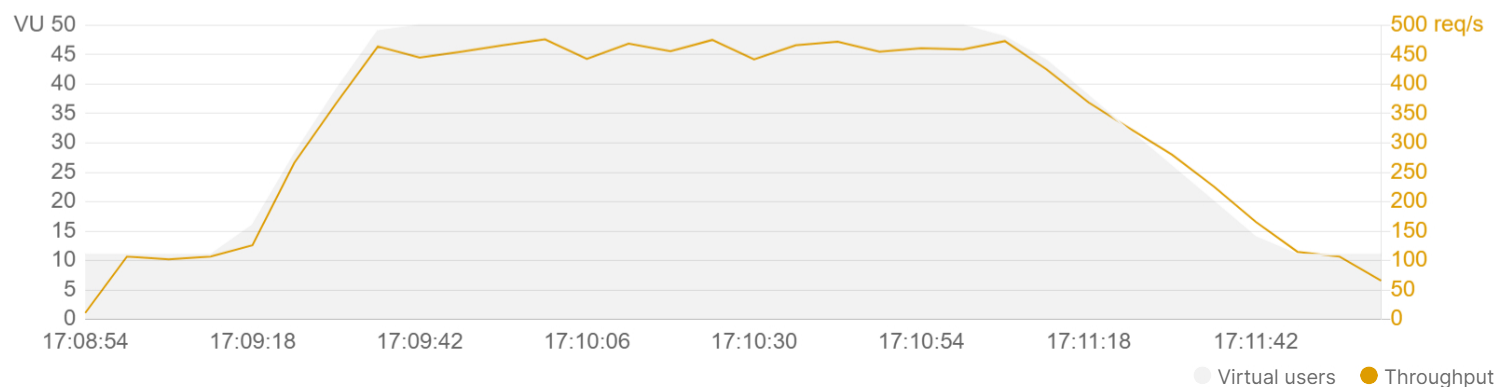
1.3 Requests with slowest response times

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 2 http://{{IP}}:{{PORT}}/api/checkout	571	606	626	681	533	1,099
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	566	596	613	669	534	928
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	565	591	600	674	534	948
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	551	607	643	719	518	768
GET 27- /api/recommendations? productIds=HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4	551	601	636	702	518	731

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}}/	344	1.82	519	540	571	660	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	335	1.77	509	518	529	616	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	310	1.64	511	523	536	602	0

POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	301	1.59	511	522	537	608	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	300	1.59	534	566	596	928	0
POST 3- /api/cart Copy 2 http://{{IP}}:{{PORT}}/api/cart	300	1.59	511	521	532	652	0
POST 3- /api/cart Copy 3 http://{{IP}}:{{PORT}}/api/cart	300	1.59	512	522	531	633	0
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	300	1.59	534	565	591	948	0
POST 3- /api/cart Copy 4 http://{{IP}}:{{PORT}}/api/cart	300	1.59	512	524	539	709	0
POST 3- /api/cart Copy 5 http://{{IP}}:{{PORT}}/api/cart	300	1.59	512	524	538	645	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	300	1.59	533	571	606	1,099	0
GET 5- /api/data http://{{IP}}:{{PORT}}/api/data	300	1.59	510	521	531	667	0
GET 6- /api/data?contextKeys=assembly http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly	300	1.59	511	523	532	715	0
GET 7- /api/data?contextKeys=binoculars http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars	300	1.59	509	521	538	667	0
GET 8- /api/data?contextKeys=books http://{{IP}}:{{PORT}}/api/data?contextKeys=books	300	1.59	510	519	528	571	0
GET 9- /api/data?contextKeys=telescopes http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes	300	1.59	510	522	534	654	0
GET 10- /api/data/?contextKeys=travel http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel	299	1.58	510	519	528	663	0

GET 11- /api/products/0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/products/0PUK6V6EV0	299	1.58	508	518	528	603	0
GET 12- /api/products/1YMWWN1N4O http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O	299	1.58	509	520	527	675	0
GET 13- /api/products/2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N	298	1.58	508	520	532	667	0
GET 14- /api/products/66VCHSJNUP http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP	298	1.58	509	519	530	651	0
GET 15- /api/products/6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ	298	1.58	509	517	527	573	0
GET 16- /api/products/9SIQT8TOJO http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO	298	1.58	509	519	527	683	0
GET 17- /api/products/HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4	298	1.58	509	519	528	667	0
GET 18- /api/products/L9ECAV7KIM http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM	298	1.58	510	519	528	727	0
GET 19- /api/products/LS4PSXUNUM http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM	298	1.58	508	517	527	579	0
GET 20- /api/products/OLJCESPC7Z http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z	298	1.58	515	527	541	619	0
GET 21- /api/recommendations? productIds=0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/recommendations? productIds=0PUK6V6EV0	298	1.58	519	544	584	694	0
GET 22- /api/recommendations? productIds=1YMWWN1N4O http://{{IP}}:{{PORT}}/api/recommendations? productIds=1YMWWN1N4O	297	1.57	519	544	579	697	0

GET 23- /api/recommendations? productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations? productIds=2ZYFJ3GM2N	297	1.57	517	546	586	757	0
GET 24- /api/recommendations? productIds=66VCHSJNUP http://{{IP}}:{{PORT}}/api/recommendations? productIds=66VCHSJNUP	297	1.57	518	549	598	750	0
GET 25- /api/recommendations? productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations? productIds=6E92ZMYYFZ	296	1.56	518	549	597	751	0
GET 26- /api/recommendations? productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations? productIds=9SIQT8TOJO	295	1.56	518	551	607	768	0
GET 27- /api/recommendations? productIds=HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/recommendations? productIds=HQTGWGPNH4	295	1.56	518	551	601	731	0
GET 28- /api/recommendations? productIds=L9ECAV7KIM http://{{IP}}:{{PORT}}/api/recommendations?L9ECAV7KIM	295	1.56	518	548	600	699	0

3. Errors

This run has no errors

All requests were sent successfully and returned a 2xx response code.

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.