Performance test report - Jun 30, 2024 (#50)

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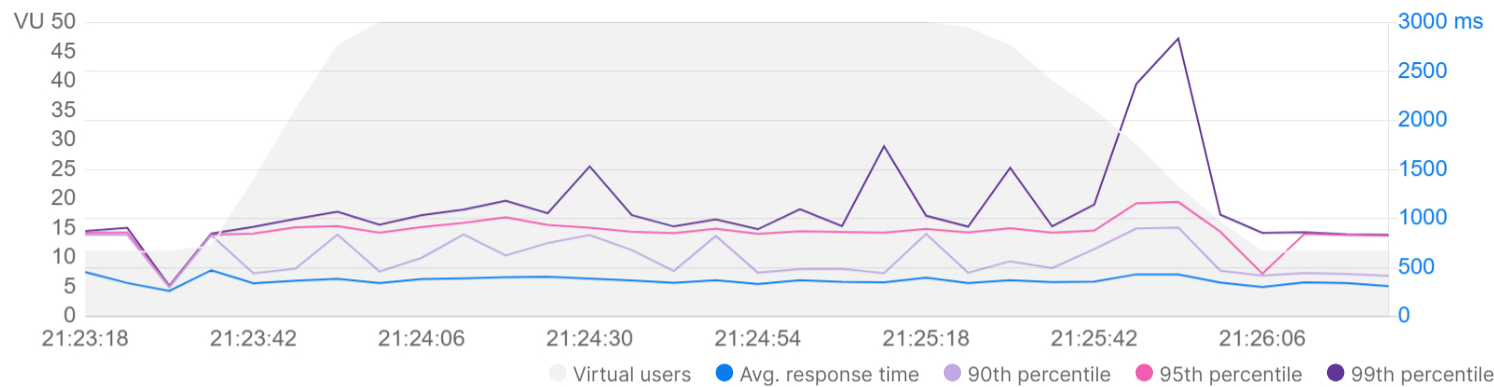
Test setup

Virtual users	**Start time**	**Load profile**
50 VU	Jun 30, 21:23:15 (GMT+1)	Peak
Duration	**End time**	**Environment**
3 minutes	Jun 30, 21:26:24 (GMT+1)	-

1. Summary

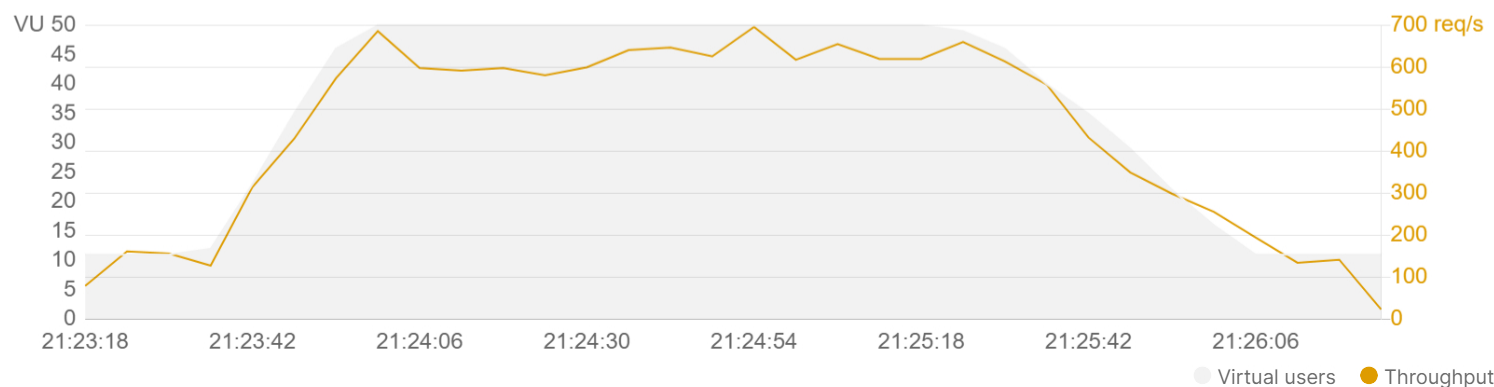| Total requests sent	Throughput	Average response time	Error rate
14,291	75.59 requests/second	368 ms	0.01 %

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	951	1,070	1,251	2,330	815	2,439
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	939	1,060	1,272	1,676	815	1,867
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	935	1,061	1,205	1,811	818	2,350
POST 3- /api/cart Copy 4 http://{{IP}}:{{PORT}}/api/cart	441	463	490	731	414	1,126
POST 3- /api/cart Copy 5 http://{{IP}}:{{PORT}}/api/cart	437	463	481	630	414	800

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 1- / http://{{IP}}:{{PORT}}/	1	503 Service Unavailable (1)	-	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}}/	449	2.37	221	257	301	958	0.22

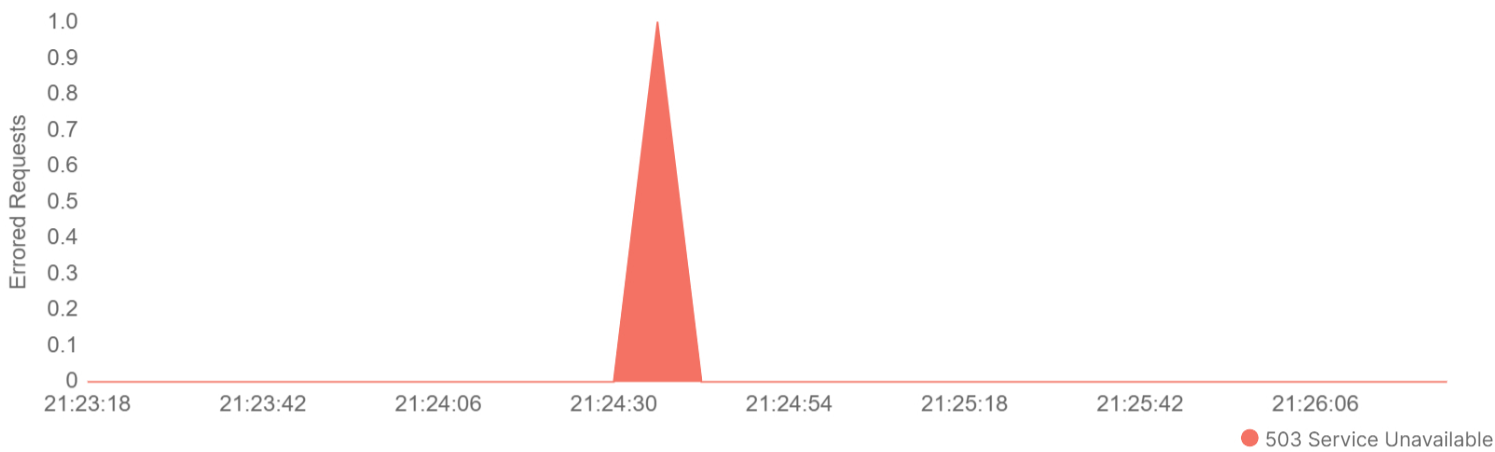|							
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	449	2.37	217	235	255	711	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	440	2.33	414	435	457	940	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	419	2.22	413	432	458	618	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	409	2.16	815	939	1,060	1,867	0
POST 3- /api/cart Copy 2 http://{{IP}}:{{PORT}}/api/cart	409	2.16	414	436	457	1,057	0
POST 3- /api/cart Copy 3 http://{{IP}}:{{PORT}}/api/cart	409	2.16	414	435	464	729	0
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	409	2.16	815	951	1,070	2,439	0
POST 3- /api/cart Copy 4 http://{{IP}}:{{PORT}}/api/cart	408	2.16	414	441	463	1,126	0
POST 3- /api/cart Copy 5 http://{{IP}}:{{PORT}}/api/cart	407	2.15	414	437	463	800	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	407	2.15	818	935	1,061	2,350	0
GET 5- /api/data http://{{IP}}:{{PORT}}/api/data	407	2.15	215	238	260	695	0
GET 6- /api/data?contextKeys=assembly http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly	407	2.15	240	265	283	719	0
GET 7- /api/data?contextKeys=binoculars http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars	407	2.15	242	261	289	595	0
GET 8- /api/data?contextKeys=books http://{{IP}}:{{PORT}}/api/data?contextKeys=books	407	2.15	237	257	284	642	0

GET 9- /api/data?contextKeys=telescopes http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes	407	2.15	243	265	286	1,156	0
GET 10- /api/data/?contextKeys=travel http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel	406	2.15	300	322	355	1,003	0
GET 11- /api/products/0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/products/0PUK6V6EV0	406	2.15	227	255	276	853	0
GET 12- /api/products/1YMWWN1N4O http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O	406	2.15	232	251	268	697	0
GET 13- /api/products/2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N	405	2.14	234	249	269	373	0
GET 14- /api/products/66VCHSJNUP http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP	403	2.13	230	255	276	931	0
GET 15- /api/products/6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ	403	2.13	234	253	274	899	0
GET 16- /api/products/9SIQT8TOJO http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO	403	2.13	233	254	270	956	0
GET 17- /api/products/HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4	403	2.13	234	256	276	976	0
GET 18- /api/products/L9ECAV7KIM http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM	403	2.13	235	251	267	633	0
GET 19- /api/products/LS4PSXUNUM http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM	401	2.12	234	247	264	358	0
GET 20- /api/products/OLJCESPC7Z http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z	401	2.12	246	309	356	1,847	0
GET 21- /api/recommendations? productIds=0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/recommendations? productIds=0PUK6V6EV0	401	2.12	261	338	428	1,149	0

GET 22- /api/recommendations?productIds=1YMWWN1N4O http://{{IP}}:{{PORT}}/api/recommendations?productIds=1YMWWN1N4O	401	2.12	261	348	427	2,845	0
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/recommendations?productIds=2ZYFJ3GM2N	400	2.12	261	338	415	2,898	0
GET 24- /api/recommendations?productIds=66VCHSJNUP http://{{IP}}:{{PORT}}/api/recommendations?productIds=66VCHSJNUP	400	2.12	262	356	463	2,836	0
GET 25- /api/recommendations?productIds=6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/recommendations?productIds=6E92ZMYYFZ	400	2.12	263	343	434	1,142	0
GET 26- /api/recommendations?productIds=9SIQT8TOJO http://{{IP}}:{{PORT}}/api/recommendations?productIds=9SIQT8TOJO	400	2.12	261	349	458	1,620	0
GET 27- /api/recommendations?productIds=HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/recommendations?productIds=HQTGWGPNH4	400	2.12	262	345	454	1,688	0
GET 28- /api/recommendations?productIds=L9ECAV7KIM http://{{IP}}:{{PORT}}/api/recommendations?L9ECAV7KIM	399	2.11	252	344	445	2,697	0

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.

● 503 Service Unavailable

3.2 Error distribution for requests

Errored requests grouped by error class, along with the error count for each class.

Error class	Total counts
503 Service Unavailable	1
GET 1- /	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.