Performance test report - Jun 30, 2024 (#49)

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Report exported on: Jun 30, 2024, 21:30:36 (GMT+1)
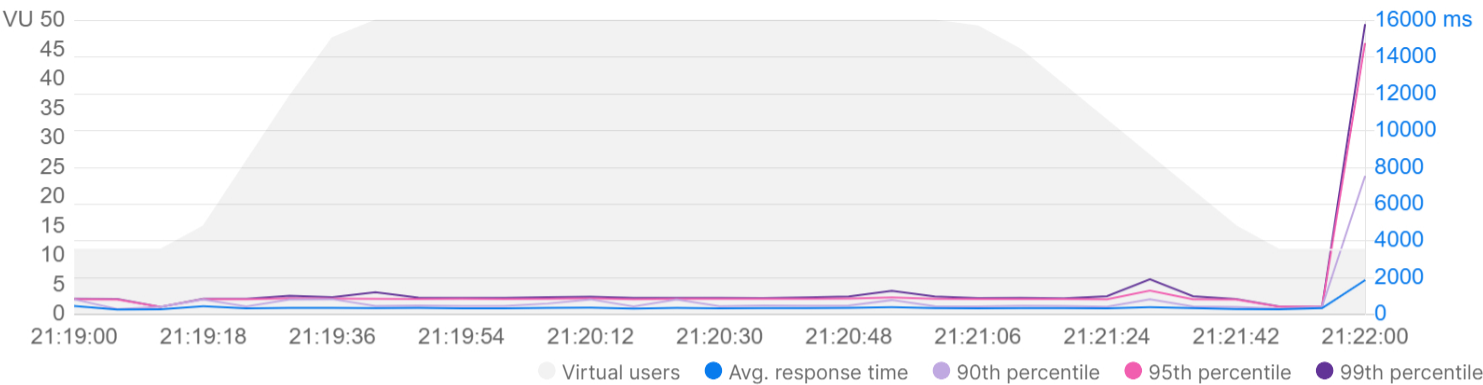
Test setup

Virtual users	Start time	Load profile
50 VU	Jun 30, 21:18:56 (GMT+1)	Peak

Duration	End time	Environment
3 minutes	Jun 30, 21:22:05 (GMT+1)	-

1. Summary

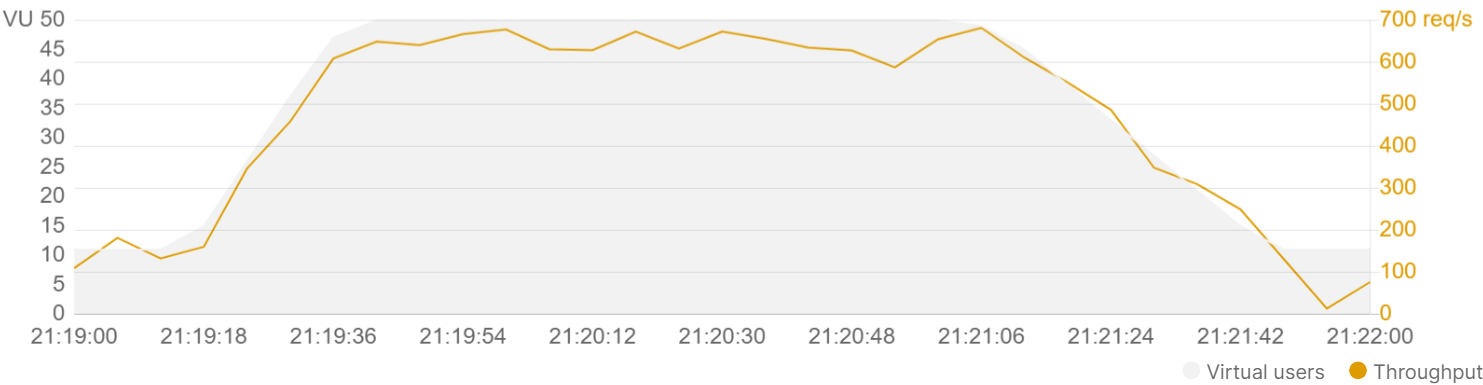| Total requests sent	Throughput	Average response time	Error rate
14,501	76.73 requests/second	363 ms	0.03 %

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	1,027	966	1,075	7,542	816	14,767
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	960	976	1,025	1,426	813	15,797
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	919	947	1,010	1,345	812	15,790
POST 3- /api/cart Copy 4 http://{{IP}}:{{PORT}}/api/cart	437	457	487	640	414	960
POST 3- /api/cart Copy 5 http://{{IP}}:{{PORT}}/api/cart	436	464	476	539	414	998

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	2	504 Gateway Timeout (2)	-	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	1	504 Gateway Timeout (1)	-	0
GET 11- /api/products/0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/products/0PUK6V6EV0	1	503 Service Unavailable (1)	-	0
GET 19- /api/products/LS4PSXUNUM http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM	1	503 Service Unavailable (1)	-	0

2. Metrics for each request

The requests are shown in the order they were sent by virtual users.

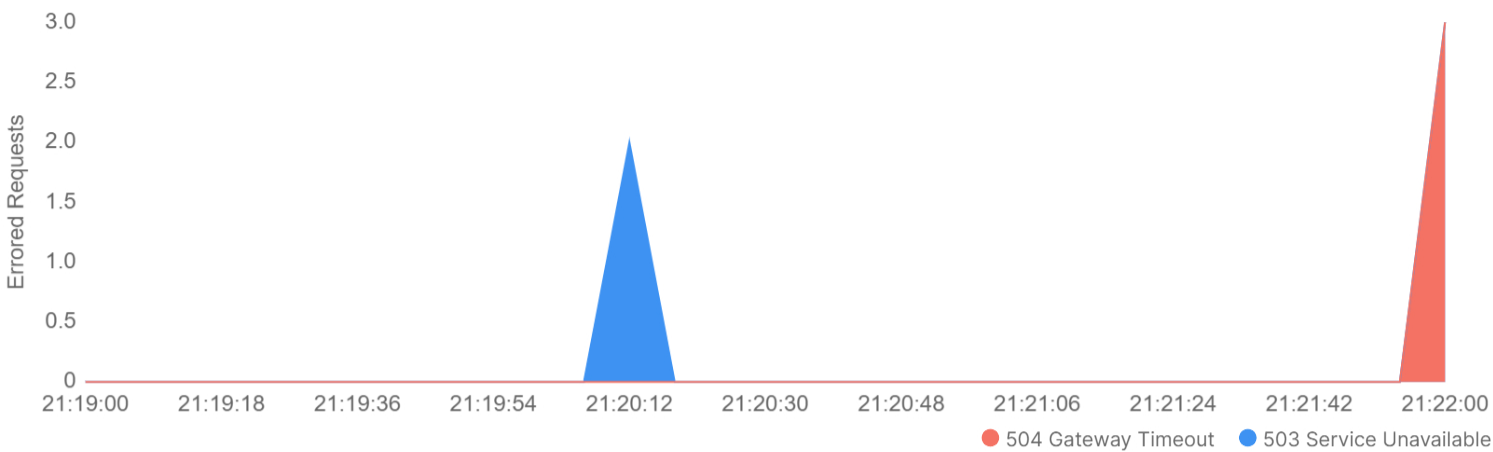| Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
GET 1- / http://{{IP}}:{{PORT}}/	457	2.42	221	252	280	757	0
GET 2- /api/cart http://{{IP}}:{{PORT}}/api/cart	457	2.42	213	233	255	370	0
POST 3- /api/cart http://{{IP}}:{{PORT}}/api/cart	451	2.39	414	432	452	981	0
POST 3- /api/cart Copy http://{{IP}}:{{PORT}}/api/cart	430	2.28	413	429	445	914	0
POST 4- /api/checkout http://{{IP}}:{{PORT}}/api/checkout	418	2.21	816	1,027	966	14,767	0
POST 3- /api/cart Copy 2 http://{{IP}}:{{PORT}}/api/cart	418	2.21	414	432	455	785	0
POST 3- /api/cart Copy 3 http://{{IP}}:{{PORT}}/api/cart	418	2.21	415	432	461	739	0
POST 4- /api/checkout Copy http://{{IP}}:{{PORT}}/api/checkout	418	2.21	813	960	976	15,797	0.48
POST 3- /api/cart Copy 4 http://{{IP}}:{{PORT}}/api/cart	418	2.21	414	437	457	960	0
POST 3- /api/cart Copy 5 http://{{IP}}:{{PORT}}/api/cart	418	2.21	414	436	464	998	0
POST 4- /api/checkout Copy 2 http://{{IP}}:{{PORT}}/api/checkout	410	2.17	812	919	947	15,790	0.24
GET 5- /api/data http://{{IP}}:{{PORT}}/api/data	410	2.17	221	238	250	718	0

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GET 6- /api/data?contextKeys=assembly http://{{IP}}:{{PORT}}/api/data?contextKeys=assembly	410	2.17	241	256	274	514	0
GET 7- /api/data?contextKeys=binoculars http://{{IP}}:{{PORT}}/api/data?contextKeys=binoculars	410	2.17	242	258	277	591	0
GET 8- /api/data?contextKeys=books http://{{IP}}:{{PORT}}/api/data?contextKeys=books	410	2.17	238	254	272	605	0
GET 9- /api/data?contextKeys=telescopes http://{{IP}}:{{PORT}}/api/data?contextKeys=telescopes	410	2.17	242	260	281	717	0
GET 10- /api/data/?contextKeys=travel http://{{IP}}:{{PORT}}/api/data/?contextKeys=travel	408	2.16	300	316	331	743	0
GET 11- /api/products/0PUK6V6EV0 http://{{IP}}:{{PORT}}/api/products/0PUK6V6EV0	408	2.16	234	249	265	752	0.25
GET 12- /api/products/1YMWWN1N4O http://{{IP}}:{{PORT}}/api/products/1YMWWN1N4O	408	2.16	234	247	258	597	0
GET 13- /api/products/2ZYFJ3GM2N http://{{IP}}:{{PORT}}/api/products/2ZYFJ3GM2N	408	2.16	234	247	260	675	0
GET 14- /api/products/66VCHSJNUP http://{{IP}}:{{PORT}}/api/products/66VCHSJNUP	408	2.16	234	249	264	674	0
GET 15- /api/products/6E92ZMYYFZ http://{{IP}}:{{PORT}}/api/products/6E92ZMYYFZ	407	2.15	234	250	266	620	0
GET 16- /api/products/9SIQT8TOJO http://{{IP}}:{{PORT}}/api/products/9SIQT8TOJO	407	2.15	234	251	267	672	0
GET 17- /api/products/HQTGWGPNH4 http://{{IP}}:{{PORT}}/api/products/HQTGWGPNH4	407	2.15	234	251	264	724	0
GET 18- /api/products/L9ECAV7KIM http://{{IP}}:{{PORT}}/api/products/L9ECAV7KIM	407	2.15	228	249	263	658	0
GET 19- /api/products/LS4PSXUNUM http://{{IP}}:{{PORT}}/api/products/LS4PSXUNUM	407	2.15	234	249	264	624	0.25

GET 20- /api/products/OLJCESPC7Z	407	2.15	239	282	310	1,527	0
http://{{IP}}:{{PORT}}/api/products/OLJCESPC7Z						
GET 21- /api/recommendations?productIds=0PUK6V6EV0	407	2.15	262	316	388	1,214	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=0PUK6V6EV0						5
GET 22- /api/recommendations?productIds=1YMWWN1N4O	407	2.15	261	316	405	914	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=1YMWWN1N4O						
GET 23- /api/recommendations?productIds=2ZYFJ3GM2N	407	2.15	262	317	387	1,917	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=2ZYFJ3GM2N						
GET 24- /api/recommendations?productIds=66VCHSJNUP	407	2.15	262	325	400	1,854	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=66VCHSJNUP						
GET 25- /api/recommendations?productIds=6E92ZMYYFZ	407	2.15	263	315	381	1,478	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=6E92ZMYYFZ						
GET 26- /api/recommendations?productIds=9SIQT8TOJO	407	2.15	262	337	427	2,078	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=9SIQT8TOJO						
GET 27- /api/recommendations?productIds=HQTGWGPNH4	407	2.15	262	327	416	2,381	0
http://{{IP}}:{{PORT}}/api/recommendations?productIds=HQTGWGPNH4						
GET 28- /api/recommendations?productIds=L9ECAV7KIM	407	2.15	251	320	406	2,066	0
http://{{IP}}:{{PORT}}/api/recommendations?L9ECAV7KIM						

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.

● 504 Gateway Timeout   ● 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
504 Gateway Timeout	3
POST 4- /api/checkout Copy	2
POST 4- /api/checkout Copy 2	1
503 Service Unavailable	2
GET 11- /api/products/0PUK6V6EV0	1
GET 19- /api/products/LS4PSXUNUM	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.