

Performance test report - May 25, 2024 (#14)

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Report exported on: May 25, 2024, 14:29:46 (PDT)

Test setup

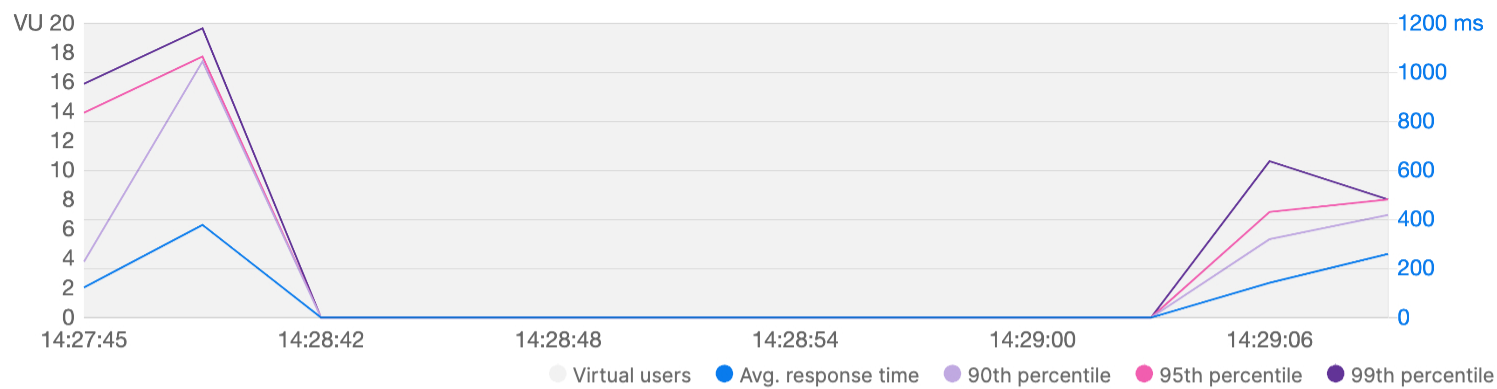
Virtual users	Start time	Load profile
20 VU	May 25, 14:27:44 (PDT)	Fixed
Duration	End time	Environment
3 minutes (Terminated at 1 minute 34 seconds)	May 25, 14:29:19 (PDT)	dev

1. Summary

Total requests sent	Throughput	Average response time	Error rate
5,338	56.29 requests/second	186 ms	91.46 %

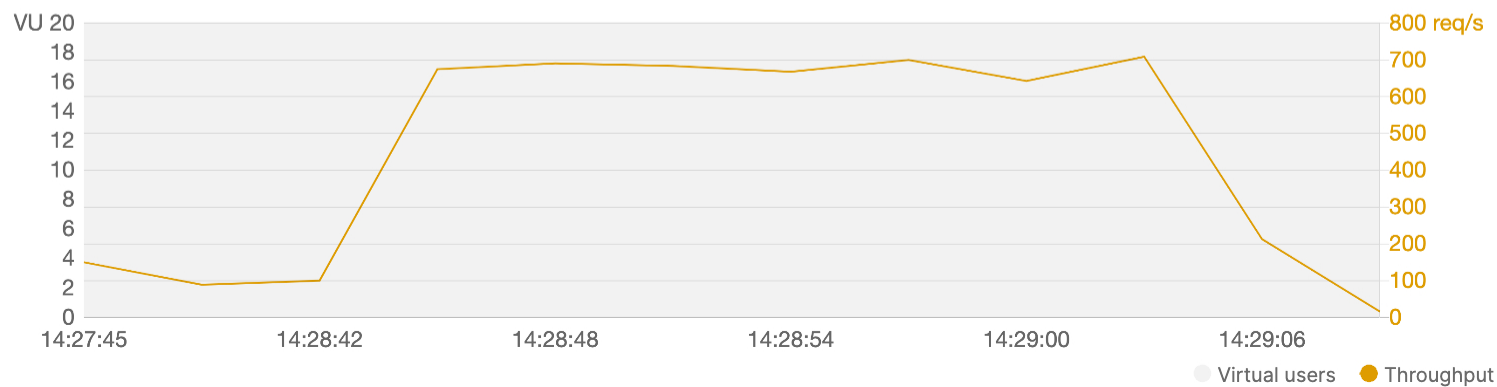
1.1 Response time

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 :queueId/questions {{host}}/queues/7/questions	731	1,097	1,169	1,180	168	1,180
GET allQuestions/:cid {{host}}/questions/allQuestions/15	367	738	821	894	71	894
POST :c {{host}}/questionType/15	215	421	483	501	34	501
GET :c/:queueId {{host}}/questionType/15/7	195	343	388	491	45	491
GET :questionId {{host}}/questions/15	173	334	396	419	10	419

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
PATCH :questionId {{host}}/questions/10	393	ESOCKETTIMED OUT (19)	ECONNREFUSED (374)	0
GET _ {{host}}/profile	375	ECONNREFUSED (375)	-	0
GET :c/id {{host}}/profile/15/id	375	ECONNREFUSED (375)	-	0
GET :id/inQueue {{host}}/profile/8/inQueue	375	ECONNREFUSED (375)	-	0
PATCH _ {{host}}/profile	375	ECONNREFUSED (375)	-	0

2. Metrics for each request

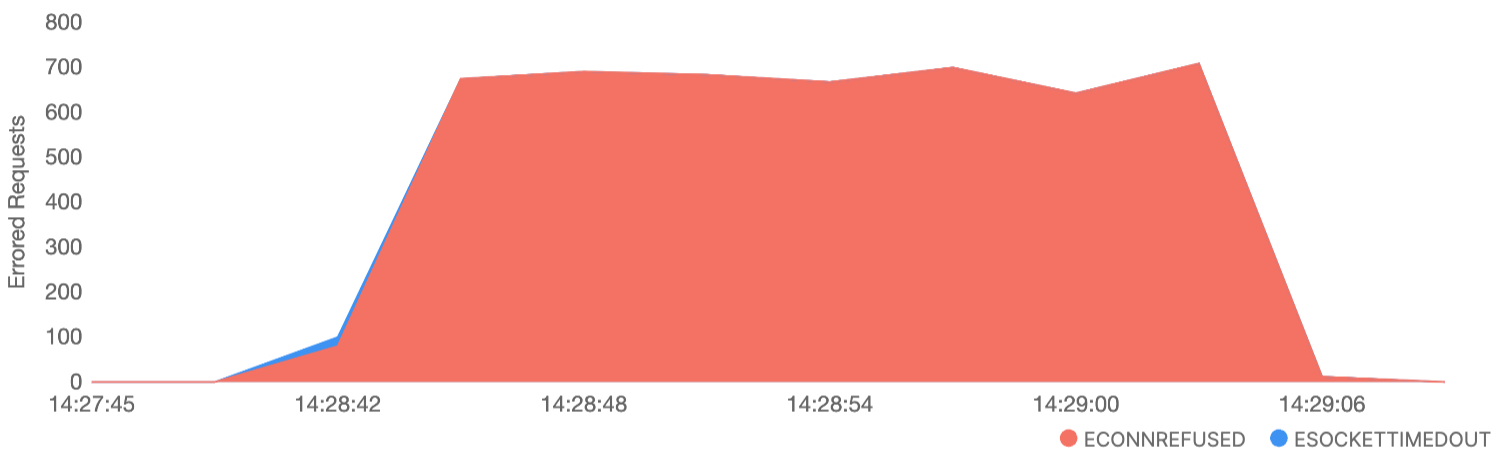
The requests are shown in the order they were sent by virtual users.

Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
GET _ {{host}}/profile	413	4.36	29	157	235	246	90.8
GET :c/id {{host}}/profile/15/id	413	4.36	10	40	76	228	90.8
GET :id/inQueue {{host}}/profile/8/inQueue	413	4.36	7	33	75	115	90.8
PATCH _ {{host}}/profile	413	4.36	66	159	303	638	90.8
GET get_picture/:photoUrl {{host}}/profile/get_picture/10-62p4e905unusrmlppf1il	413	4.36	5	47	108	170	90.56
GET _ {{host}}/semesters	413	4.36	6	29	72	197	90.56
GET :queueId {{host}}/queues/7	413	4.36	32	119	246	482	90.56
GET :queueId/questions {{host}}/queues/7/questions	411	4.33	168	731	1,097	1,180	91
POST :c {{host}}/questionType/15	411	4.33	34	215	421	501	90.75
GET :c/:queueId {{host}}/questionType/15/7	411	4.33	45	195	343	491	90.75
GET :questionId {{host}}/questions/15	411	4.33	10	173	334	419	90.75
GET allQuestions/:cid {{host}}/questions/allQuestions/15	410	4.32	71	367	738	894	91.22
PATCH :questionId {{host}}/questions/10	393	4.14	0	0	0	0	100

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
ECONNREFUSED	4862
GET _	375
GET :c/id	375
GET :id/inQueue	375
PATCH _	375
GET get_picture/:photoUrl	374
GET _	374
GET :queueId	374
GET :queueId/questions	374
POST :c	373
GET :c/:queueId	373
GET :questionId	373
GET allQuestions/:cid	373
PATCH :questionId	374
ESOCKETTIMEDOUT	20
GET allQuestions/:cid	1
PATCH :questionId	19



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](#).