

# Performance test report - Dec 24, 2023 (#3)

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Postman collection: restaurants

Report exported on: Dec 24, 2023, 11:55:53 (GMT+7)

## Test setup

Virtual users  
100 VU

Start time  
Dec 24, 11:47:24 (GMT+7)

Load profile  
Fixed

Duration  
5 minutes

End time  
Dec 24, 11:52:31 (GMT+7)

Environment  
Foodey

## 1. Summary

Total requests sent  
11,012

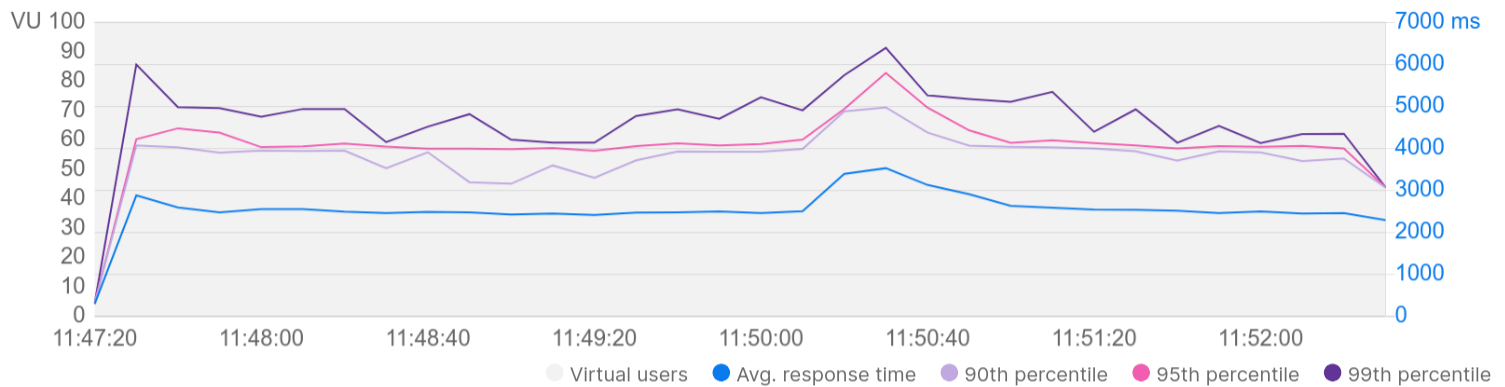
Throughput  
35.88 requests/second

Average response time  
2,588 ms

Error rate  
5.20 %

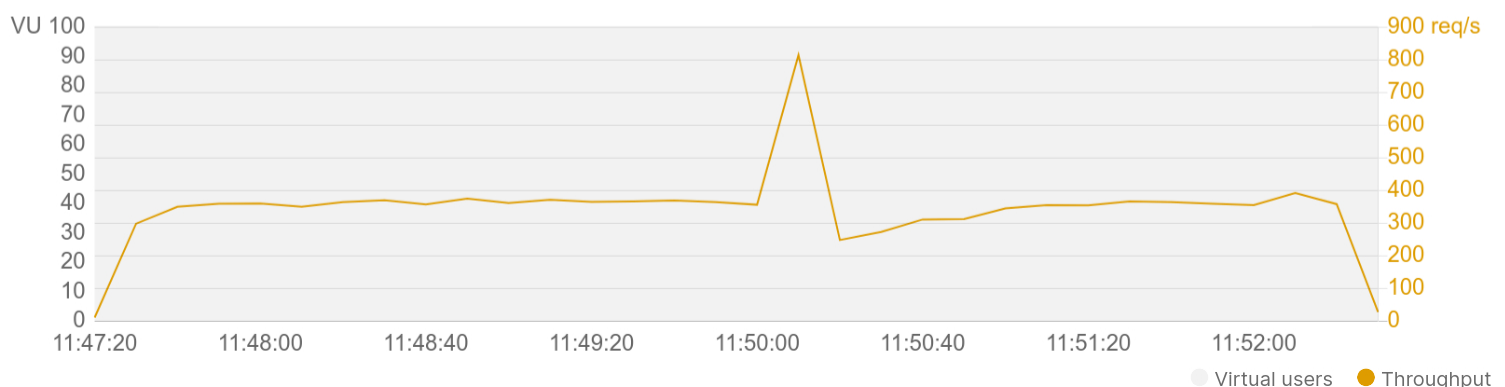
### 1.1 Response time

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)
<b>GET</b> Get all branches {{LOCAL_HOST}}/api/v1/branches	3,166	4,071	4,783	5,219	234	8,107
<b>GET</b> Get all branches that has product in category {{LOCAL_HOST}}/api/v1/branches/categories/6586e2fe408e616592f91388	3,138	4,095	4,232	5,049	955	6,983
<b>GET</b> Get branches of Restaurant {{LOCAL_HOST}}/api/v1/branches/main/6586edd2ac74f10b295b4982	2,805	3,865	4,261	5,081	278	7,505
<b>GET</b> Get branch by ID {{LOCAL_HOST}}/api/v1/branches/6586ed8fac74f10b295b497e	1,276	1,995	2,076	2,697	93	4,211

### 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
<b>GET</b> Get all branches that has product in category {{LOCAL_HOST}}/api/v1/branches/categories/6586e2fe408e616592f91388	182	ECONNRESET (55)	ECONNREFUSED (127)	0
<b>GET</b> Get all branches {{LOCAL_HOST}}/api/v1/branches	147	ECONNRESET (25)	ECONNREFUSED (122)	0
<b>GET</b> Get branch by ID {{LOCAL_HOST}}/api/v1/branches/6586ed8fac74f10b295b497e	126	ECONNRESET (32)	ECONNREFUSED (94)	0
<b>GET</b> Get branches of Restaurant {{LOCAL_HOST}}/api/v1/branches/main/6586edd2ac74f10b295b4982	118	ECONNRESET (28)	ECONNREFUSED (90)	0

## 2. Metrics for each request

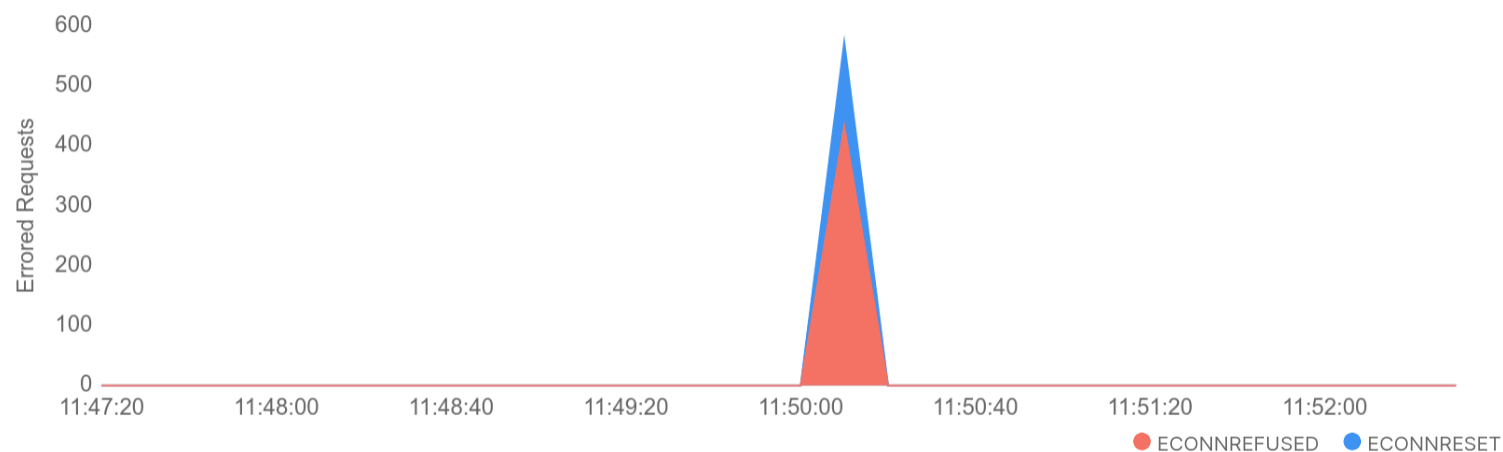
The requests are shown in the order they were sent by virtual users.

Request	Total requests	Requests/s	Min (ms)	Avg (ms)	90th (ms)	Max (ms)	Error %
<b>GET</b> Get branches of Restaurant {{LOCAL_HOST}}/api/v1/branches/main/6586edd2ac74f10b295b4982	2,777	9.05	278	2,805	3,865	7,505	4.25
<b>GET</b> Get branch by ID {{LOCAL_HOST}}/api/v1/branches/6586ed8fac74f10b295b497e	2,773	9.03	93	1,276	1,995	4,211	4.54
<b>GET</b> Get all branches {{LOCAL_HOST}}/api/v1/branches	2,745	8.94	234	3,166	4,071	8,107	5.36
<b>GET</b> Get all branches that has product in category {{LOCAL_HOST}}/api/v1/branches/categories/6586e2fe408e616592f91388	2,717	8.85	955	3,138	4,095	6,983	6.7

## 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	433
GET Get branches of Restaurant	90
GET Get branch by ID	94
GET Get all branches	122
GET Get all branches that has product in category	127
ECONNRESET	140
GET Get branches of Restaurant	28
GET Get branch by ID	32
GET Get all branches	25
GET Get all branches that has product in category	55



### 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](#).