Performance Test Report - Mar 5, 2025 (#9)

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Postman collection: SmartCacheTestingDBPerformance

Report exported on: Mar 5, 2025, 23:19:18 (GMT+1)
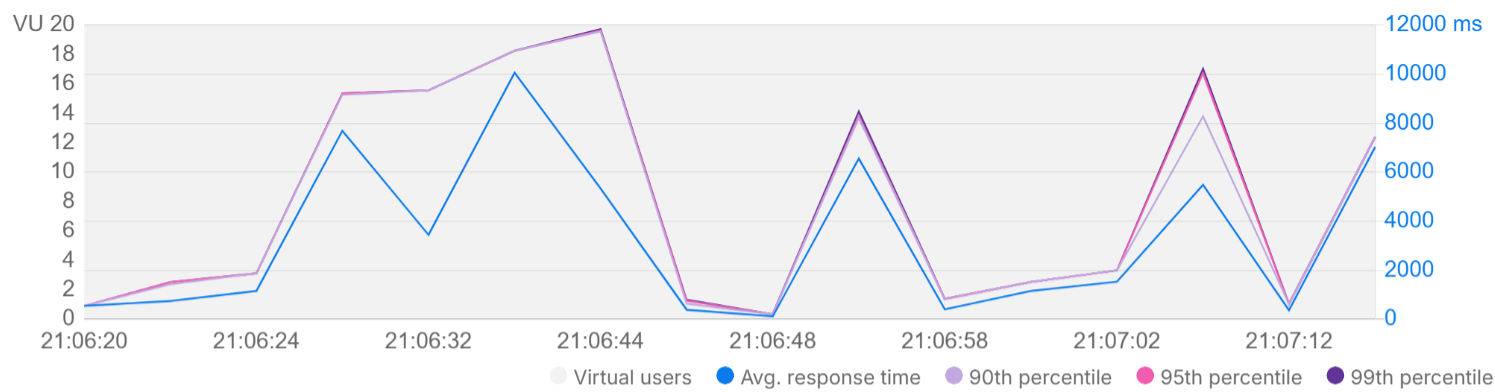
Test setup

Virtual users	Start time	Load profile
20 VU	Mar 5, 21:06:15 (GMT+1)	Fixed

Duration	End time	Environment
1 minute	Mar 5, 21:07:22 (GMT+1)	Email Test Environment

1. Summary

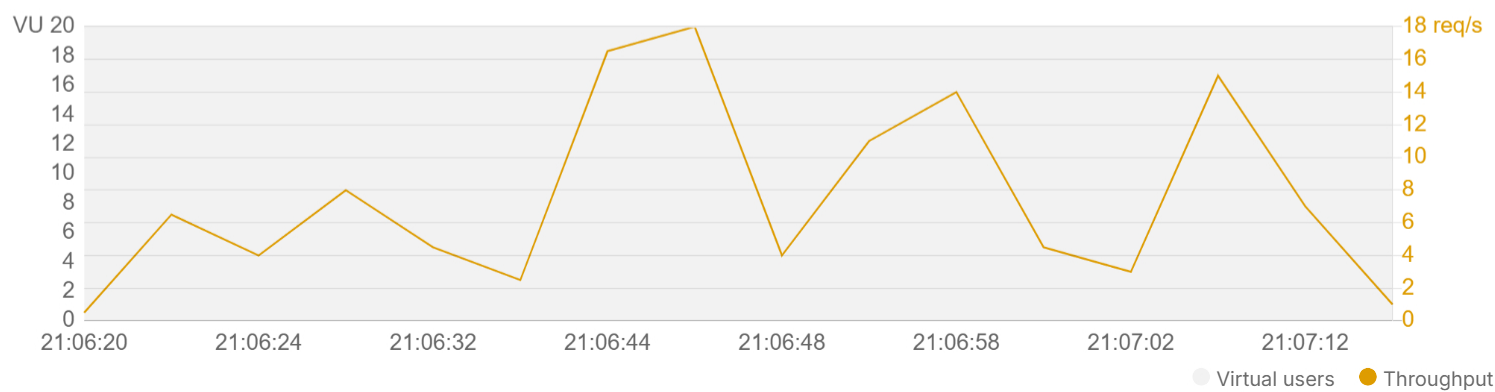| Total requests sent	Throughput	Average response time	Error rate
240	3.55 requests/second	3,228 ms	44.17 %

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 AddEmail https://localhost:7131/traditionalApproach/emails/{{email}}	3,846	9,385	10,890	11,747	64	11,786
GET GetEmail https://localhost:7131/traditionalApproach/emails/{{email}}	2,557	8,018	11,644	11,769	39	11,839

1.4 Requests with most errors

Top 5 requests with the most errors, along with the most frequently occurring errors for each request.

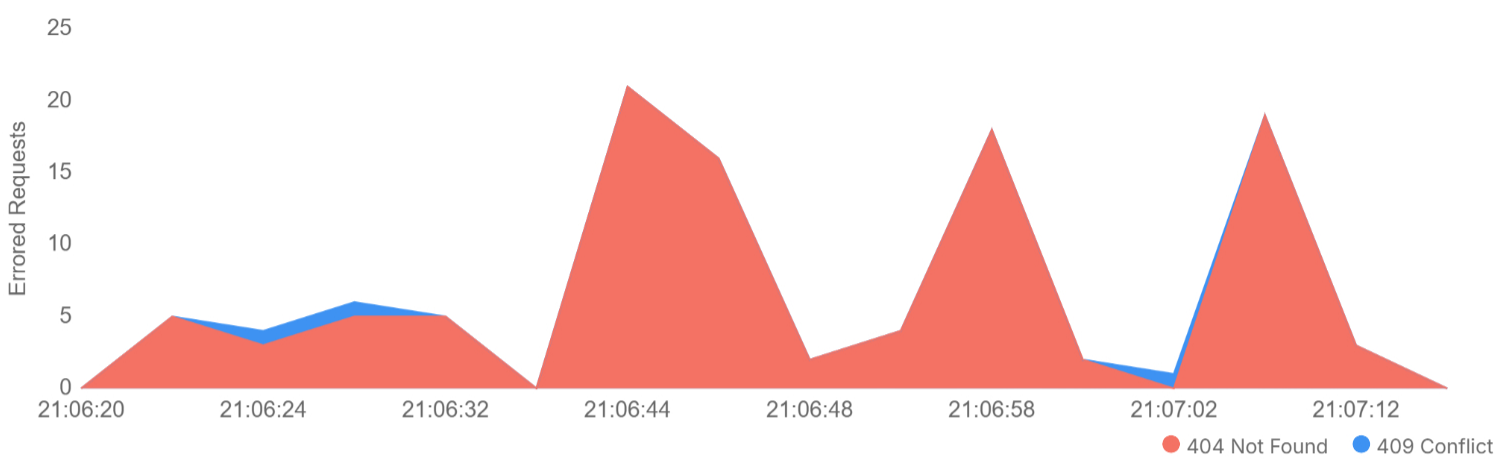| Request	Total error count	Error 1	Error 2	Other errors
GET GetEmail https://localhost:7131/traditionalApproach/emails/{{email}}	103	404 Not Found (103)	-	0
POST AddEmail https://localhost:7131/traditionalApproach/emails/{{email}}	3	409 Conflict (3)	-	0

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 %
POST AddEmail https://localhost:7131/traditionalApproach/emails/{{email}}	125	1.85	64	3,846	9,385	11,786	2.4
GET GetEmail https://localhost:7131/traditionalApproach/emails/{{email}}	115	1.70	39	2,557	8,018	11,839	89.57

3. Errors

3.1 Error distribution over time

Top 5 error classes observed during the test duration.

● 404 Not Found   ● 409 Conflict

3.2 Error distribution for requests

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

Error class	Total counts
404 Not Found	103
`GET` GetEmail	103
409 Conflict	3
`POST` AddEmail	3

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.