

primary - Jan 24, 2025 (#8)

Open in Postman

Postman collection: BioConnect Local
Report exported on: Jan 25, 2025, 1:08:05 (GMT+1)

Test setup

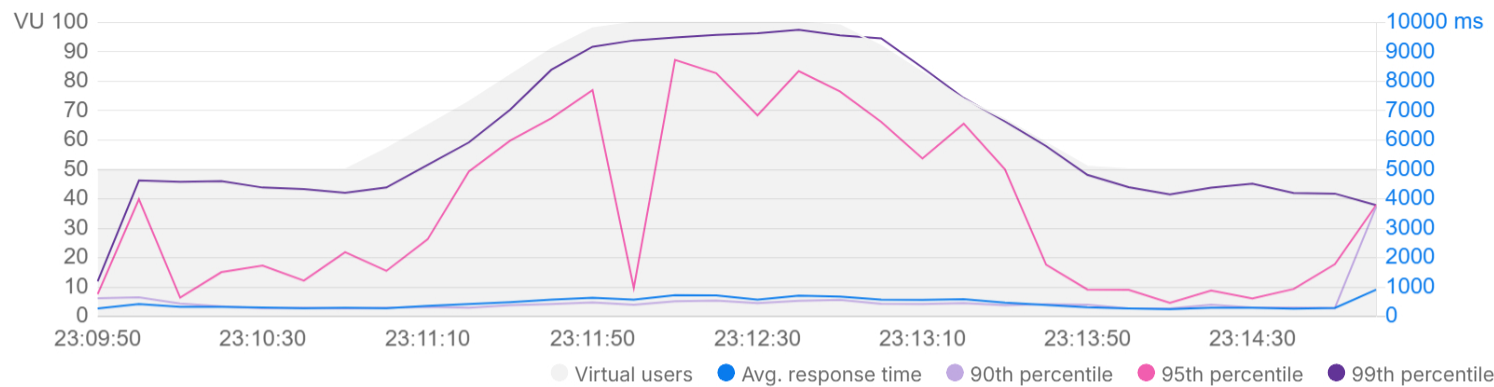
Virtual users	Start time	Load profile
100 VU	Jan 24, 23:09:53 (GMT+1)	Peak
Duration	End time	Environment
5 minutes	Jan 24, 23:15:00 (GMT+1)	-

1. Summary

Total requests sent	Throughput	Average response time	Error rate
36,533	119.00 requests/second	449 ms	0.00 %

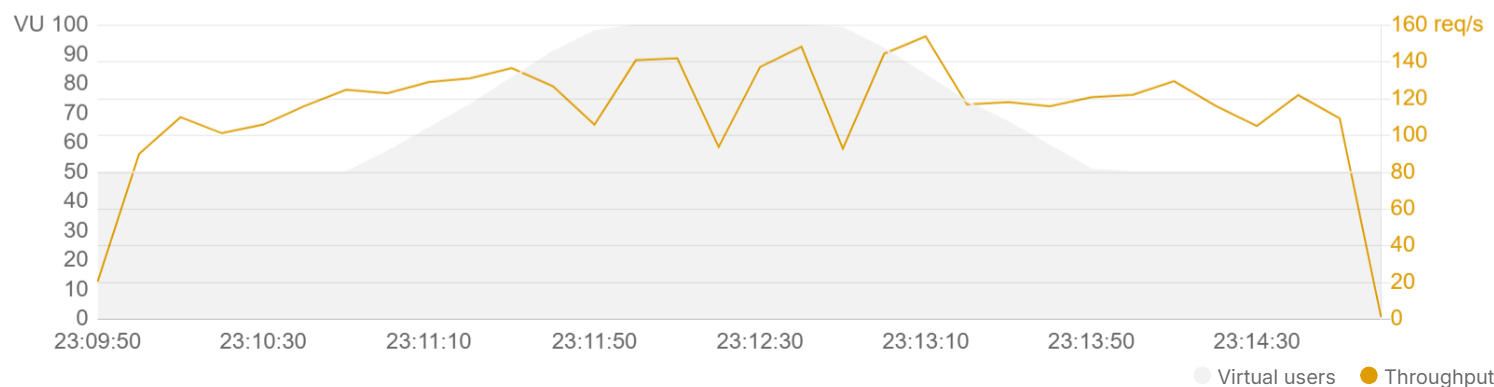
1.1 Response time

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 Pathways Recurrence {{localhost}}/api/proteinDoc/pathway-recurrence/ATGT	5,651	9,267	9,533	9,827	118	10,266
GET getAllComments {{localhost}}/admin/users/comments	313	595	678	848	59	1,185
GET Drug with opposite effects {{localhost}}/api/drugGraph/oppositeEffectsOnProtein/{{Aspirin ID}}	265	384	475	642	116	1,391
GET Shortest Path {{localhost}}/api/diseaseGraph/shortestPath/{{Disease: Joubert syndrome 39}}/{{Disease: Deafness, autosomal recessive, 1B}}	229	353	447	579	96	884
GET getAllUsers {{localhost}}/admin/users	207	371	470	684	60	832

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 Drug Node by id {{localhost}}/api/drugGraph/{{Aspirin ID}}	2,208	7.19	41	126	200	1,007	0
GET Drug target similar protein {{localhost}}/api/drugGraph/targetSimilarProtein/{{hemo globin subunit beta}}	2,208	7.19	65	180	294	1,196	0
GET Drug with opposite effects {{localhost}}/api/drugGraph/oppositeEffectsOnProtein/{{Aspirin ID}}	2,207	7.19	116	265	384	1,391	0

GET Get a Disease Node	2,196	7.15	25	86	132	634	0
{{localhost}}/api/diseaseGraph/{{Disease: Deafness, autosomal recessive, 1B}}							
GET Disease linked to Drug	2,188	7.13	65	160	245	660	0
{{localhost}}/api/diseaseGraph/diseaseByDrug/{{Aspirin ID}}							
GET Shortest Path	2,178	7.09	96	229	353	884	0
{{localhost}}/api/diseaseGraph/shortestPath/{{Disease: Joubert syndrome 39}}/{{Disease: Deafness, autosomal recessive, 1B}}							
GET Protein Search	2,164	7.05	11	48	89	407	0
{{localhost}}/api/proteinDoc/{{hemoglobin subunit beta}}							
GET Publication Analysis Protein	2,163	7.05	12	120	338	1,001	0
{{localhost}}/api/proteinDoc/trend-analysis/{{Lipid Metabolism}}							
GET Pathways Recurrence	2,119	6.90	118	5,651	9,267	10,266	0
{{localhost}}/api/proteinDoc/pathway-recurrence/ATGT							
GET getProteinsByPathwayAndLocation	2,116	6.89	9	42	92	423	0
{{localhost}}/api/proteinDoc/getProteinsByPathwayAndLocation?pathway={{Lipid Metabolism}}&subcellularLocation={{Microsome Membrane}}							
GET Expired Patents	2,115	6.89	9	45	102	514	0
{{localhost}}/api/drugDoc/expired-patents/{{Cat: Anticoagulants}}							
GET Drug Search By ID or Name	2,113	6.88	10	39	75	406	0
{{localhost}}/api/drugDoc/{{Aspirin ID}}							
GET Publication Analysis for category	2,113	6.88	11	90	255	776	0
{{localhost}}/api/drugDoc/trend-analysis/{{Cat: Analgesics}}							
GET getAllUsers	2,112	6.88	60	207	371	832	0
{{localhost}}/admin/users							

GET getUserByUsername	2,111	6.88	7	34	65	450	0
{{localhost}}/admin/users/test_user1							
GET getAllComments	2,111	6.88	59	313	595	1,185	0
{{localhost}}/admin/users/comments							
GET getMyComments	2,111	6.88	14	59	109	455	0
{{localhost}}/profile/my_comments							

3. Errors

This run has no errors

All requests were sent successfully and returned a 2xx response code.



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](#).