

Performance Testing

We created 1000 testing threads, i.e. 1000 simulated users access our system at the same time, with ramp-up period of 10 second.

We don't think the performance is too bad, considering we don't pay for the current MongoDB and Heroku servers.

ID	Path	Input	Median Response Time (ms)	Error Rate	#Sample at the First Error	Comments
1	/login	{ "username": "A@mail.com", "password": "54321" }	13989	0%		
2	/jwt/checkExpired	{ "authToken": "eyJhbGciOiJIUzUxMiJ9. eyJzdWIiOiJhZG1pbilzImhhdCI6MTYzNDI5MTM5NiwiZXhwIjoxNjM0Mzc3Nzk2fQ. MLskQPzuw_vt_2W1Uh9FCzkCfD3daDZjkghK- cOle96bBy57cljBvB1ONIGjHToQGPhrdr3V0qGTMkDgh14dfw" }	937	0%		
3	/signup	{ "email": "H@mail.com", "password": "13579", "first_name": "User", "last_name": "H" }	14011	87.2%	11	
4	/changePassword	{ "oldPassword": "admin", "newPassword": "admin" }	959	0%		We're testing 1000 threads on a single user, so using same old password and new password. The real median response time should be longer.
5	/chat/sendText	{ "id": "6124e5229e3dd74065e23e54", "message": "Performance Testing New Message" }	23181	30%	692	
6	/chat/overview	Get	30997	94.7%	53	This is not used that frequently, so OK.
7	/chat/fetchNew	{ "id": "6124e5229e3dd74065e23e54" }	18611	7.1%	78	
8	/chat/fetch	{ "id": "6124e5229e3dd74065e23e54", "until": "2021-10-15T11:27:36.972+00:00" }	19288	80.4%	23	
9	/friend /verifyFriendship	{ "id": "6124e5229e3dd74065e23e54" }	25123	36.4%	637	
10	/friend/listFriends	Get	30913	63.9%	337	
11	/friend /listSentRequests	Get	30928	63.5%	325	

12	/friend /listReceivedRequests	Get	26588	38.7%	569	
13	/friend/sendRequest	{ "id": "6124e5229e3dd74065e23e54" }	24633	34.5%	649	
14	/friend /confirmRequest	{ "id": "6124e5229e3dd74065e23e54" }	24991	36.5%	634	
15	/friend /declineRequest	{ "id": "6124e5229e3dd74065e23e54" }	24305	35%	651	
16	/friend /cancelRequest	{ "id": "6124e5229e3dd74065e23e54" }	24667	37.6%	622	
17	/friend/delete	{ "id": "6124e5229e3dd74065e23e54" }	18618	0%		
18	/friend/changeNotes	{ "id": "6124e5229e3dd74065e23e54", "notes": "Performance Testing New Notes" }	29718	45.5%	556	
19	/user	{ "id": "61239830b384af76c113bc3a" }	10063	0%		
20	/user /changeRealName	{ "first_name": "admin", "last_name": "admin" }	17734	0.5%	966	
21	/user/changePhone	{ "mobileNumber": "12332113579" }	17251	0.4%	928	
22	/user /changeAreaOrRegion	{ "areaOrRegion": "Melbourne" }	17603	0.4%	969	
23	/user /changeIndustry	{ "industry": "University" }	17438	0.4%	954	
24	/user /changeCompany	{ "company": "University" }	17299	0.5%	947	

25	/user /changePersonalSummary	{ "personalSummary": "Performance Testing Summary" }				
26	/user /sketchySearch	{ "searchKey": "unimelb" }	30943	73.3%	240	
27	/user/search	{ "email": "@", "first_name": "e", "last_name": "", "areaOrRegion": "", "industry": "", "company": "", }	22325	20%	800	Actually beyond our expectation!