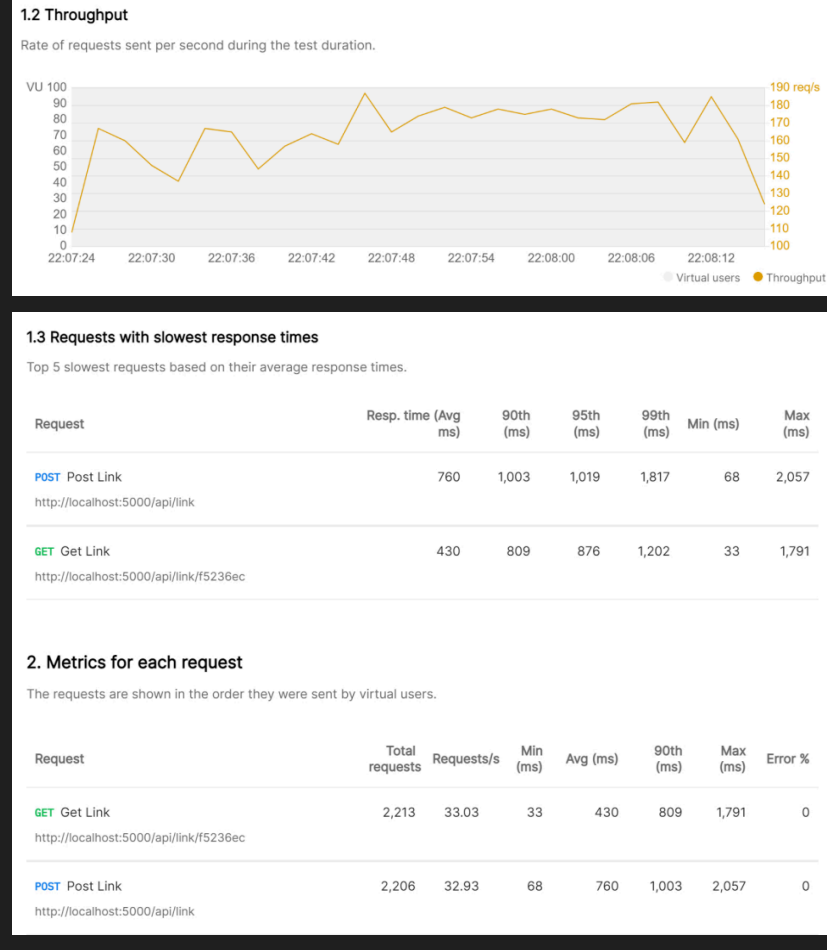
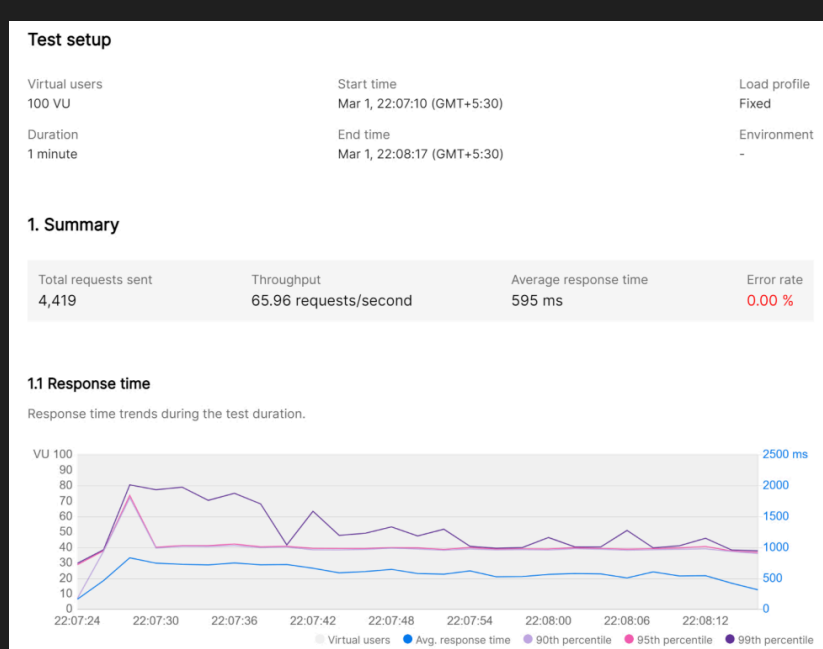
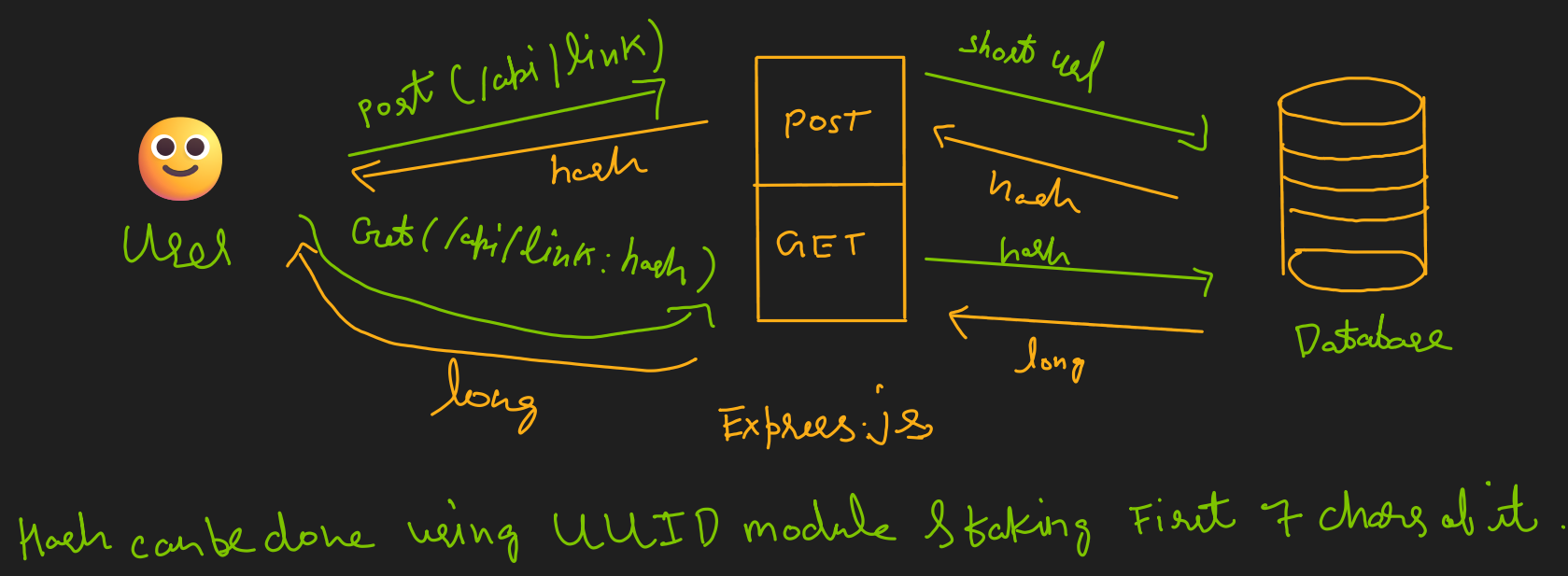
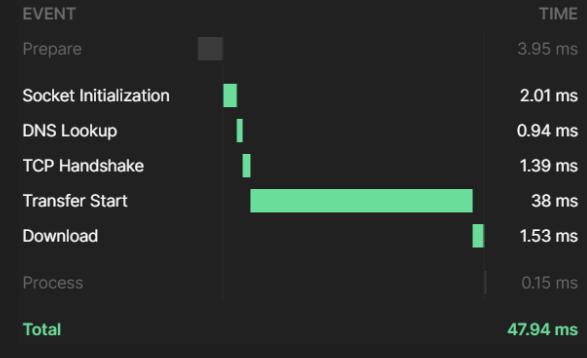
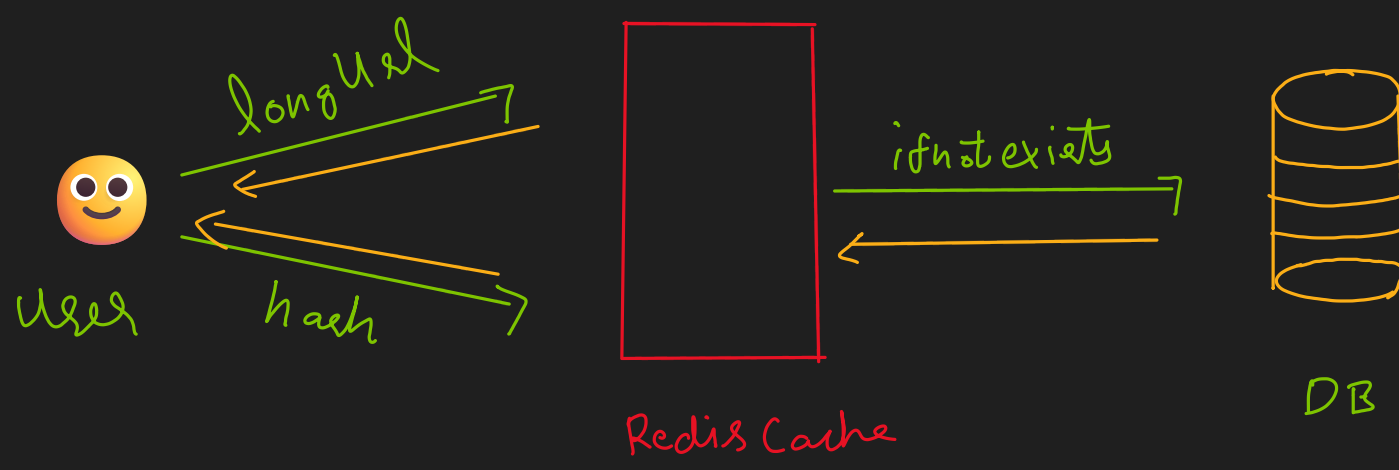


Simplest uel shorhtner

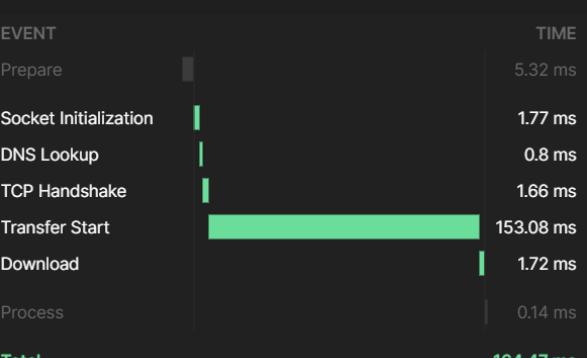
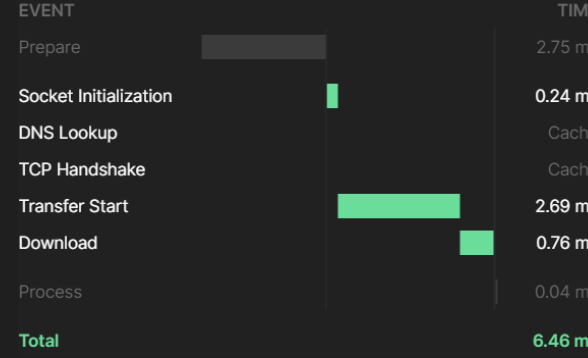


All this data is for read requests to mongoddb.

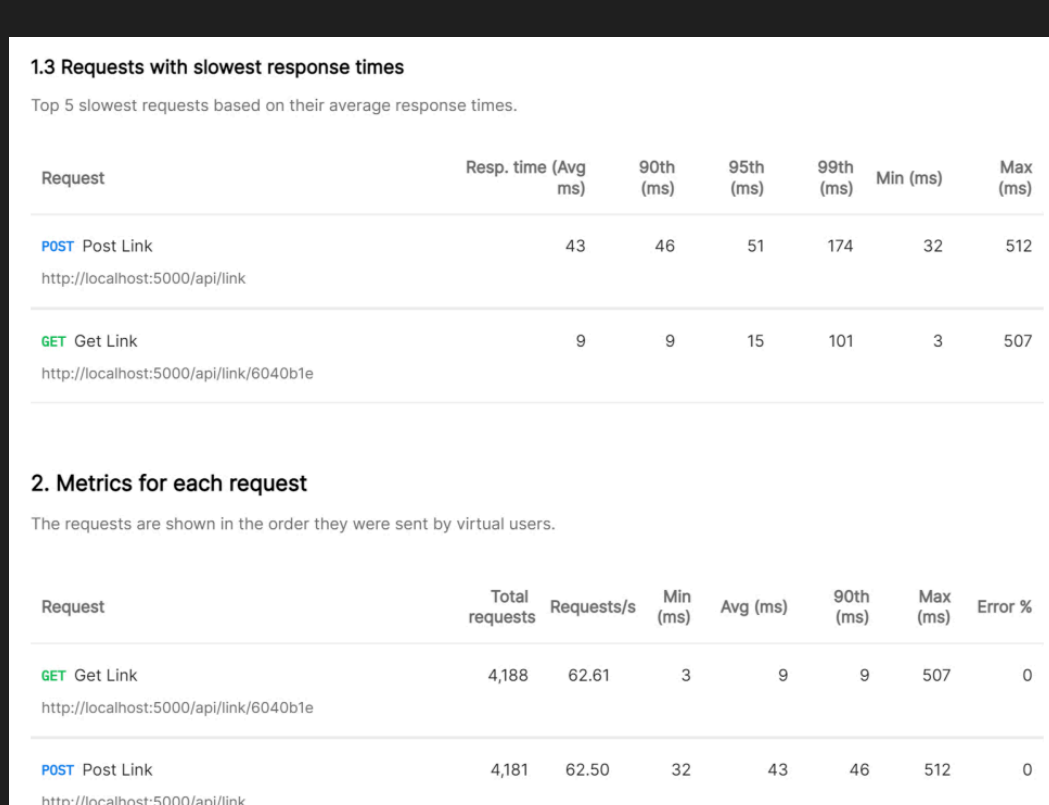
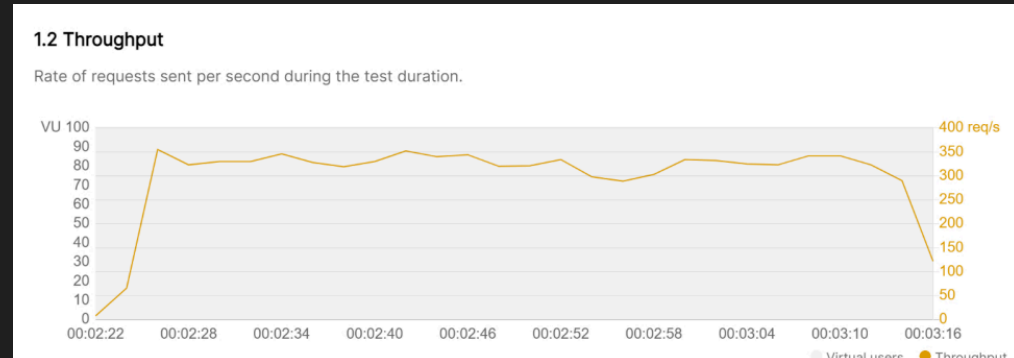
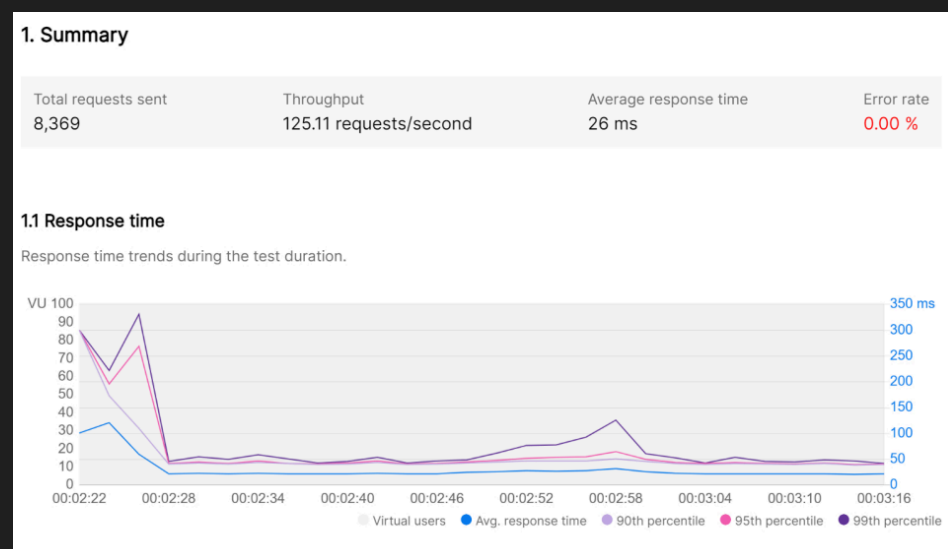
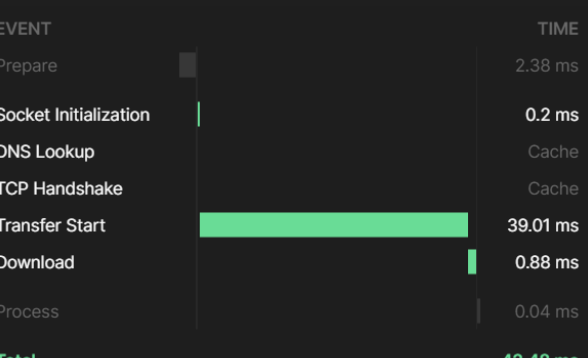
Let's Cache it! 🚀



GET

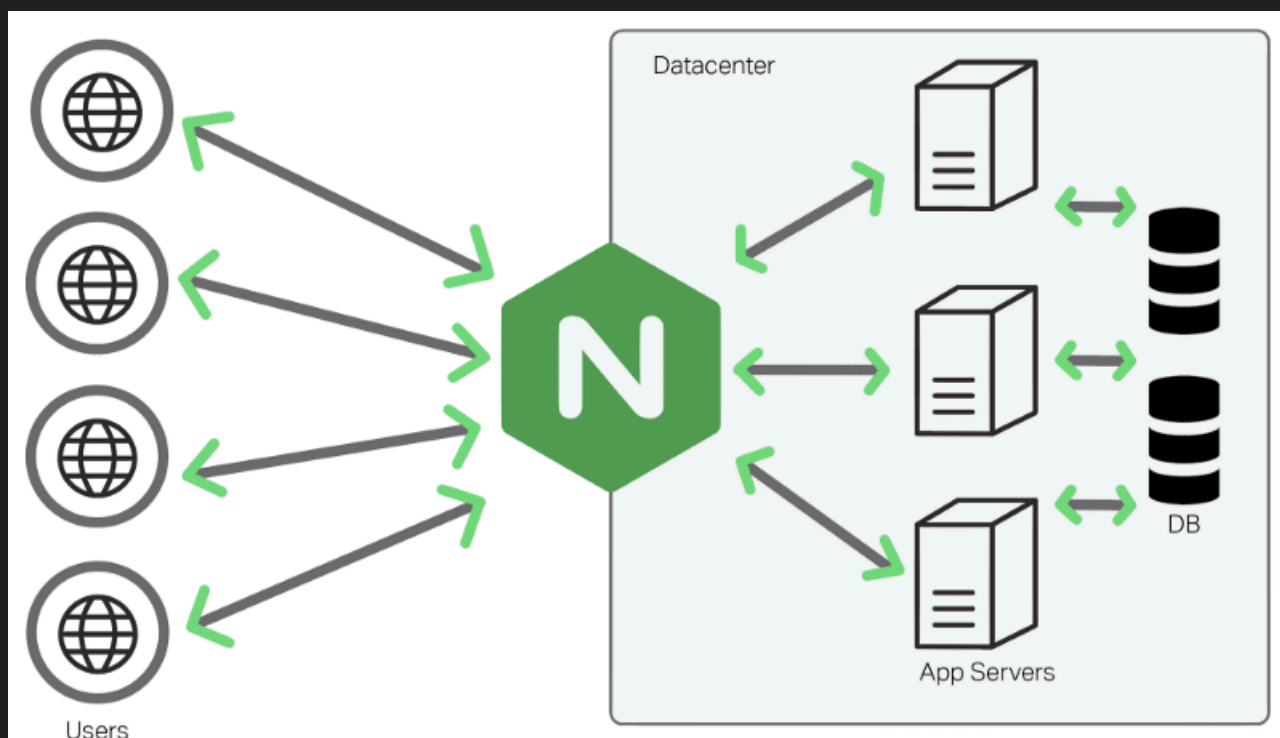


POST



And to go even further beyond! 🚀

Till now we were using only a single server & at peak times it cannot handle many requests. Also it's a single point of failure. So we can use 'n' servers to distribute the load.



Without load balancing (VU=1000)

With LB among 3 servers (VU=1000)

Metrics for period to: 16:02:20(+0330) (width: 1.493s)		Metrics for period to: 16:12:00(+0330) (width: 9.629s)	
errors (CONNECTIONS):	495	http_codes_200:	868
http_codes_200:	355	http_downloaded_bytes:	265581
http_downloaded_bytes:	88099	http_request_rate:	189/sec
http_request_rate:	917/sec	http_requests:	868
http_response_time:	1069	http_response_time:	2
min:	693	max:	18
mean:	174.3	mean:	3.8
median:	64.7	median:	3
p95:	685.5	p95:	9
http_responses:	355	http_responses:	868
users_created:	1071	users_created:	868
users_created_by_name_0:	1071	users_created_by_name_0:	868
users_failed:	495	users_failed:	9
users_session_length:	5.9	users_session_length:	41.5
min:	766.3	max:	20.5
mean:	76.1	mean:	7.4
median:	685.3	median:	6.8
p95:	699.4	p95:	18.9
		p99:	27.9

These load tests are done by artillery as postman only supports max VU = 100.

We have done what we could to optimize this webapp but as the users will ↑ probability of collision may also ↑ as we are taking uuid[:5] only.

Using a token to generate Base62 encoding of length 7 which gives us 3.5 trillion possible combinations. We can add a token range to specific servers & all the synchronization will be done by ZooKeeper.

