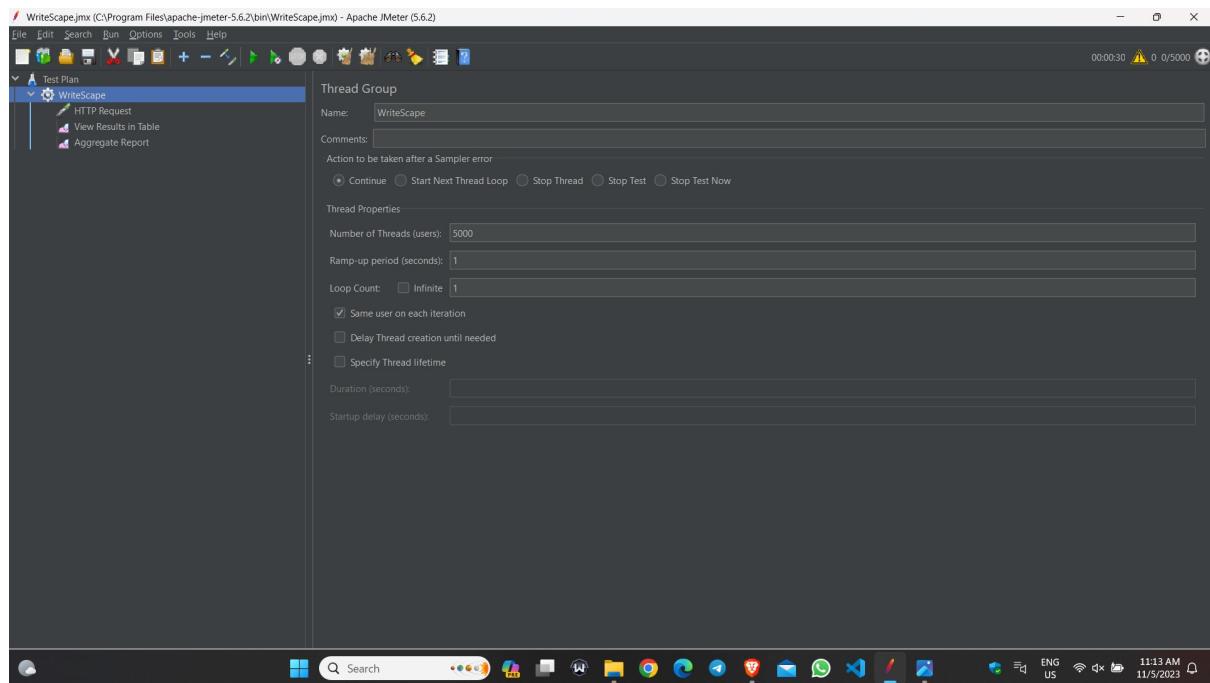


# LOAD TESTING REPORT

Yes We can handle 5000 concurrent users at a time.

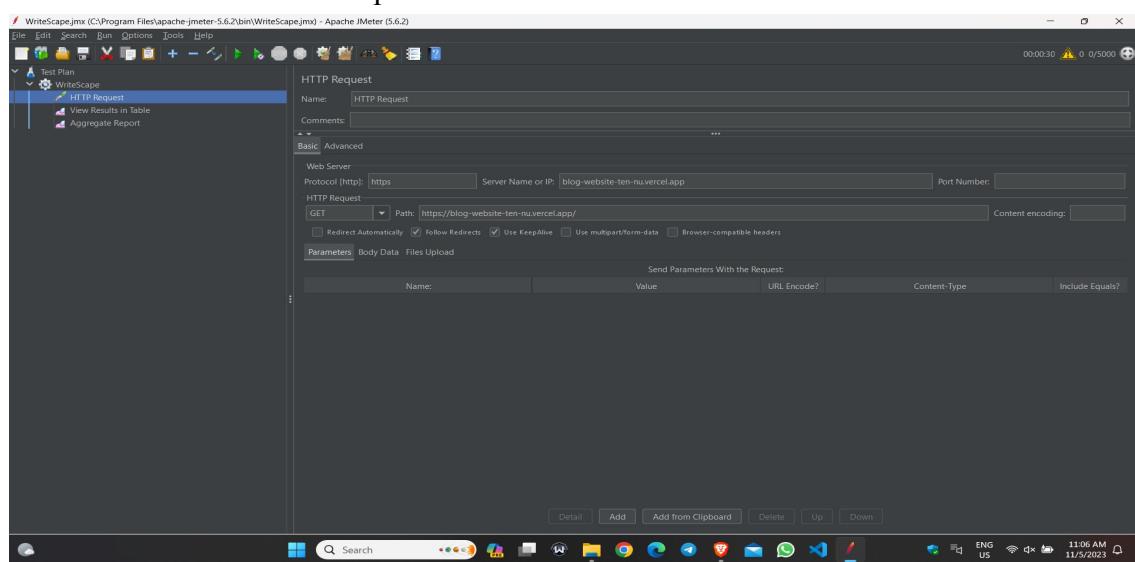
It ran successfully and all the results were produced without any error. We tested for the home page where we fetch data from Firebase and also for the Login page where users login using gmail.

## 1. We set the No.of threads to 5000



## 2. Running for Home Page

Here we can see that path is set to home screen



### 3. VIEW RESULTS IN TABLE for HOME PAGE

WriteScape.jmx (C:\Program Files\apache-jmeter-5.6.2\bin\WriteScape.jmx) - Apache JMeter (5.6.2)

File Edit Search Run Options Tools Help

0000:30 0 0/5000

Test Plan

WriteScape

HTTP Request

View Results in Table

Aggregate Report

View Results in Table

Name: View Results in Table

Comments: For Main Page

Write results to file / Read from file

Filename:

Sample # Start Time Thread Name Label Sample Time(ms) Status Bytes Sent Bytes Latency Connect Time(ms)

1	11:00:18.249	WriteScape 1-3393	HTTP Request	36882	green	1458	137	36878	36597
2	11:00:19.909	WriteScape 1-1026	HTTP Request	41224	green	1458	137	41215	40515
3	11:00:18.566	WriteScape 1-2611	HTTP Request	36567	green	1458	137	36559	36278
4	11:00:21.124	WriteScape 1-4654	HTTP Request	34006	green	1458	137	33991	33254
5	11:00:14.059	WriteScape 1-1198	HTTP Request	41035	green	1458	137	41035	40329
6	11:00:20.210	WriteScape 1-4126	HTTP Request	34919	green	1458	137	34847	34175
7	11:00:14.287	WriteScape 1-1418	HTTP Request	40843	green	1458	137	40843	40146
8	11:00:21.665	WriteScape 1-4944	HTTP Request	33465	green	1458	137	33463	32722
9	11:00:17.967	WriteScape 1-3249	HTTP Request	37163	green	1458	137	37163	36879
10	11:00:20.232	WriteScape 1-4144	HTTP Request	34900	green	1458	137	34893	34614
11	11:00:14.246	WriteScape 1-1361	HTTP Request	40885	green	1458	137	40885	40133
12	11:00:15.811	WriteScape 1-2180	HTTP Request	39322	green	1458	137	39315	39033
13	11:00:14.148	WriteScape 1-1228	HTTP Request	40987	green	1458	137	40974	40252
14	11:00:15.860	WriteScape 1-2213	HTTP Request	39273	green	1458	137	39267	38519
15	11:00:19.538	WriteScape 1-3721	HTTP Request	35595	green	1458	137	35581	34851
16	11:00:20.676	WriteScape 1-4427	HTTP Request	34457	green	1458	137	34443	34167
17	11:00:18.568	WriteScape 1-2804	HTTP Request	36566	green	1458	137	36552	36278
18	11:00:21.645	WriteScape 1-2612	HTTP Request	38719	green	1458	137	38680	38430
19	11:00:19.539	WriteScape 1-3930	HTTP Request	35594	green	1458	137	35556	34950
20	11:00:19.707	WriteScape 1-3925	HTTP Request	35426	green	1458	137	35388	35137
21	11:00:21.260	WriteScape 1-4759	HTTP Request	33873	green	1458	137	33836	33119
22	11:00:14.869	WriteScape 1-1840	HTTP Request	40265	green	1458	137	40228	39519
23	11:00:19.684	WriteScape 1-4042	HTTP Request	35449	green	1458	137	35412	34697
24	11:00:16.133	WriteScape 1-2447	HTTP Request	39001	green	1458	137	38966	38711
25	11:00:15.774	WriteScape 1-2137	HTTP Request	39360	green	1458	137	39326	38606

Scroll automatically Child samples? No of Samples 10000 Latest Sample 21373 Average 21288 Deviation 19165

11:07 AM 11/5/2023

### 4. RUNNING FOR LOGIN PAGE

We set the path to login page

WriteScape.jmx (C:\Program Files\apache-jmeter-5.6.2\bin\WriteScape.jmx) - Apache JMeter (5.6.2)

File Edit Search Run Options Tools Help

0000:49 0 0/5000

Test Plan

WriteScape

HTTP Request

Name: HTTP Request

Comments:

HTTP Request

Web Server

Protocol [http] https Server Name or IP: blog-website-ten-nu.vercel.app Port Number:

HTTP Request

Method: GET Path: https://blog-website-ten-nu.vercel.app/login Content encoding:

Parameters Body Data Files Upload

Send Parameters With the Request:

Name:	Value:	URL Encode?	Content-Type:	Include Equals?

Detail Add Add from Clipboard Delete Up Down

11:05 AM 11/5/2023

## 5. VIEW RESULTS IN TABLE FOR LOGIN PAGE

The screenshot shows the Apache JMeter interface with the 'View Results in Table' listener selected. The results table contains 5000 rows of data, each representing an HTTP request. The columns include Sample #, Start Time, Thread Name, Label, Sample Time(ms), Status, Bytes, Sent Bytes, Latency, and Connect Time(ms). The data shows a range of response times from 36882 ms to 1458 ms, with most requests taking between 3000 and 4000 ms.

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
1	11:00:18.249	WriteScape 1-3393	HTTP Request	36882	OK	1458	137	36878	36597
2	11:00:19.009	WriteScape 1-1026	HTTP Request	41224	OK	1458	137	41215	40515
3	11:00:18.566	WriteScape 1-2611	HTTP Request	36567	OK	1458	137	36559	36278
4	11:00:21.124	WriteScape 1-4654	HTTP Request	34006	OK	1458	137	33991	33254
5	11:00:14.059	WriteScape 1-1198	HTTP Request	41035	OK	1458	137	41035	40329
6	11:00:20.210	WriteScape 1-4126	HTTP Request	34919	OK	1458	137	34847	34175
7	11:00:14.287	WriteScape 1-1418	HTTP Request	40843	OK	1458	137	40843	40146
8	11:00:21.665	WriteScape 1-4944	HTTP Request	33465	OK	1458	137	33463	32722
9	11:00:17.967	WriteScape 1-3249	HTTP Request	37163	OK	1458	137	37163	36879
10	11:00:20.232	WriteScape 1-4144	HTTP Request	34900	OK	1458	137	34893	34614
11	11:00:14.246	WriteScape 1-1361	HTTP Request	40885	OK	1458	137	40885	40133
12	11:00:15.811	WriteScape 1-2180	HTTP Request	39322	OK	1458	137	39315	39033
13	11:00:14.146	WriteScape 1-1228	HTTP Request	40987	OK	1458	137	40974	40252
14	11:00:15.860	WriteScape 1-2213	HTTP Request	39273	OK	1458	137	39267	38519
15	11:00:19.538	WriteScape 1-3721	HTTP Request	35595	OK	1458	137	35581	34851
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24	11:00:16.133	WriteScape 1-2447	HTTP Request	39001	OK	1458	137	38966	38711
25	11:00:15.774	WriteScape 1-2137	HTTP Request	39260	OK	1458	137	39256	38606

Q2)

"**Maximum response time for the server**" refers to the longest time it takes for the server to respond to a request from a user or client during the test. It is a critical performance metric that helps assess the server's ability to handle concurrent requests under heavy load.

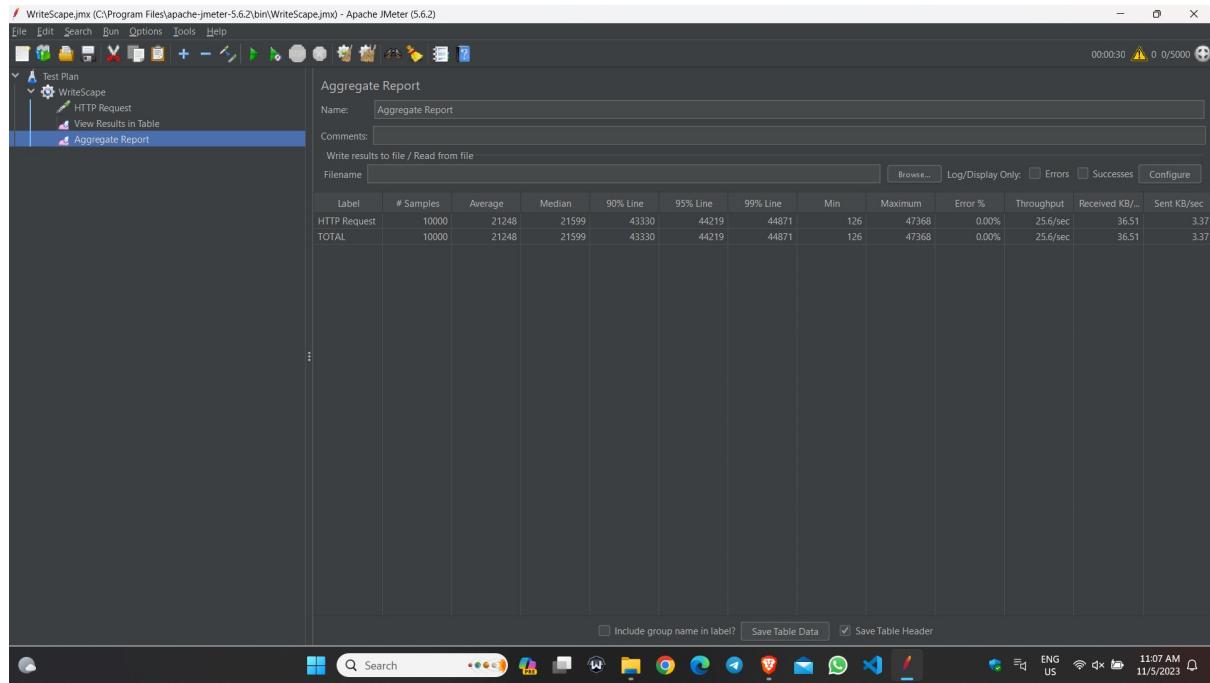
For HOME PAGE and LOGIN PAGE → Max response time for the server is 47.4 second

After Testing Login Page ,  
**AGGREGATE REPORT** is

The screenshot shows the Apache JMeter interface with the 'Aggregate Report' listener selected. The results table summarizes the test execution. It includes columns for Label, # Samples, Average, Median, 90% Line, 95% Line, 99% Line, Min, Maximum, Error %, Throughput, Received KB/sec, and Sent KB/sec. The data shows a total of 5000 samples with an average response time of 40269 ms.

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP Request	5000	40269	40519	44219	44662	44956	33465	47368	0.00%	104.7/sec	149.12	14.01
TOTAL	5000	40269	40519	44219	44662	44956	33465	47368	0.00%	104.7/sec	149.12	14.01

## After testing HOME PAGE AGGREGATE REPORT is



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Link to our writescape : <https://blog-website-ten-nu.vercel.app/>