

Project Phase 3 - Load Testing

Group Number:- 10

Team Members:-

Ankit Meshram B190688CS

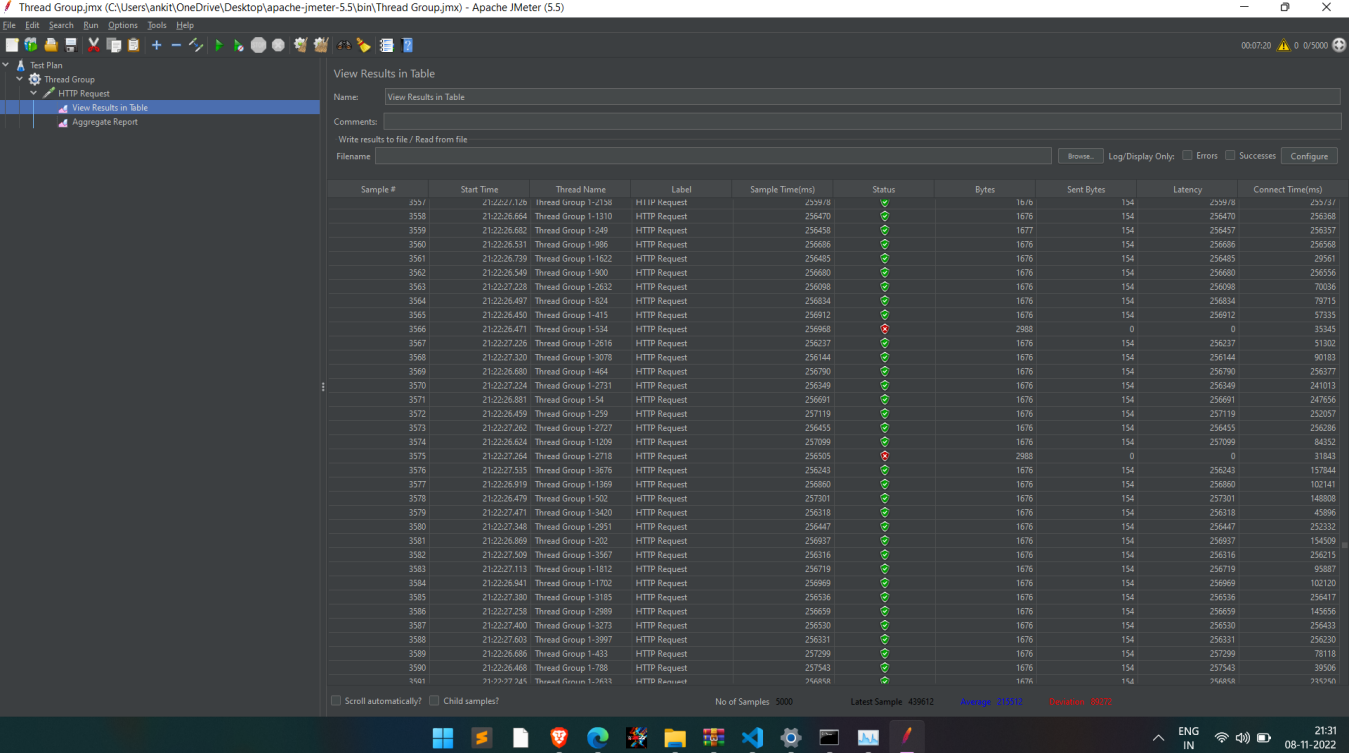
Rahul Bamniya B190395CS

Gopika Vinod B180215CS

Nihal Muhammed Asharaf B190721CS

Q1)

-> No, it can't support a maximum of 5000 concurrent users, there were errors for some of the users.



The screenshot displays the Apache JMeter 5.5.1 interface. The left sidebar shows a test plan with a single thread group named 'Thread Group'. The main area is titled 'View Results in Table' and shows a table of test results. The table has columns for Sample #, Start Time, Thread Name, Label, Sample Time(ms), Status, Bytes, Sent Bytes, Latency, and Connect Time(ms). The table contains 100 rows of data, representing 100 samples. The status column shows green checkmarks for most samples, indicating successful requests, but there are a few red 'X' marks, indicating errors. The status bar at the bottom shows 'No of Samples: 5000', 'Latest Sample: 439612', 'Average: 110512', and 'Deviation: 88072'.

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(ms)
2597	21:22:27.126	Thread Group 1-2136	HTTP Request	259978	✓	1676	154	259978	259711
3558	21:22:26.664	Thread Group 1-1310	HTTP Request	256470	✓	1676	154	256470	256388
3559	21:22:26.682	Thread Group 1-249	HTTP Request	256458	✓	1677	154	256457	256357
3560	21:22:26.531	Thread Group 1-986	HTTP Request	256086	✓	1676	154	256086	256098
3561	21:22:26.739	Thread Group 1-1622	HTTP Request	256485	✓	1676	154	256485	256481
3562	21:22:26.549	Thread Group 1-900	HTTP Request	256680	✓	1676	154	256680	256556
3563	21:22:27.228	Thread Group 1-2632	HTTP Request	256098	✓	1676	154	256098	70036
3564	21:22:26.497	Thread Group 1-824	HTTP Request	256834	✓	1676	154	256834	79715
3565	21:22:26.450	Thread Group 1-415	HTTP Request	256912	✓	1676	154	256912	57335
3566	21:22:26.471	Thread Group 1-534	HTTP Request	256968	✗	2988	0	0	35345
3567	21:22:27.226	Thread Group 1-2616	HTTP Request	256237	✓	1676	154	256237	51302
3568	21:22:27.320	Thread Group 1-3078	HTTP Request	256144	✓	1676	154	256144	90183
3569	21:22:26.580	Thread Group 1-464	HTTP Request	256790	✓	1676	154	256790	256377
3570	21:22:27.224	Thread Group 1-2721	HTTP Request	256249	✓	1676	154	256249	241012
3571	21:22:26.881	Thread Group 1-54	HTTP Request	256691	✓	1676	154	256691	247656
3572	21:22:26.459	Thread Group 1-259	HTTP Request	257119	✓	1676	154	257119	252057
3573	21:22:27.262	Thread Group 1-2727	HTTP Request	256455	✓	1676	154	256455	256286
3574	21:22:26.624	Thread Group 1-1209	HTTP Request	257099	✓	1676	154	257099	84352
3575	21:22:27.264	Thread Group 1-2718	HTTP Request	256505	✗	2988	0	0	31843
3576	21:22:27.535	Thread Group 1-3676	HTTP Request	256243	✓	1676	154	256243	157844
3577	21:22:26.919	Thread Group 1-1369	HTTP Request	256980	✓	1676	154	256980	102141
3578	21:22:26.479	Thread Group 1-502	HTTP Request	257201	✓	1676	154	257201	148808
3579	21:22:27.471	Thread Group 1-3420	HTTP Request	256318	✓	1676	154	256318	45906
3580	21:22:27.348	Thread Group 1-2951	HTTP Request	256447	✓	1676	154	256447	252332
3581	21:22:26.869	Thread Group 1-202	HTTP Request	256937	✓	1676	154	256937	154509
3582	21:22:27.509	Thread Group 1-3567	HTTP Request	256316	✓	1676	154	256316	256215
3583	21:22:27.113	Thread Group 1-1812	HTTP Request	256719	✓	1676	154	256719	95887
3584	21:22:26.941	Thread Group 1-1702	HTTP Request	256969	✓	1676	154	256969	102120
3585	21:22:27.380	Thread Group 1-3185	HTTP Request	256536	✓	1676	154	256536	256317
3586	21:22:27.253	Thread Group 1-2089	HTTP Request	256659	✓	1676	154	256659	146586
3587	21:22:27.400	Thread Group 1-3273	HTTP Request	256530	✓	1676	154	256530	256433
3588	21:22:27.603	Thread Group 1-3997	HTTP Request	256331	✓	1676	154	256331	256230
3589	21:22:26.686	Thread Group 1-433	HTTP Request	257299	✓	1676	154	257299	78118
3590	21:22:26.468	Thread Group 1-788	HTTP Request	257543	✓	1676	154	257543	39506
1941	21:22:27.245	Thread Group 1-2633	HTTP Request	256958	✓	1676	154	256958	256245

Q2)

-> maximum response time for the server in load testing scenario is the defined as the maximum limit of acceptable response time.

Response time - 215512ms

Thread Group.jmx (C:\Users\ankit\OneDrive\Desktop\apache-jmeter-5.5\bin\Thread Group.jmx) - Apache JMeter (5.5)

File Edit Search Run Options Tools Help

Test Plan
Thread Group
HTTP Request
View Results in Table
Aggregate Report

Aggregate Report

Name: Aggregate Report

Comments:

Write results to file / Read from file

Filename: Log/Display Only: ☐ Errors ☐ Successes

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
HTTP Request	5000	215512	228433	337940	355925	368365	8327	440540	41.32%	11.3/sec	25.02	1.00
TOTAL	5000	215512	228433	337940	355925	368365	8327	440540	41.32%	11.3/sec	25.02	1.00

☐ Include group name in label? ☒ Save Table Header

21:31 08-11-2022