

# JMeter Stress testing on 35.237.83.181 (Course scheduler)

## Test 1

### Scenario:

Thread Group

Name:

Course Scheduler

Comments:

Action to be taken after a Sampler error

Continue

Start Next Thread Loop

Stop Thread

Stop Test

Stop Test Now

Thread Properties

Number of Threads (users):

10

Ramp-up period (seconds):

1

Loop Count:

Infinite

5

### Results:

Name:

View Results in Table

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

Errors

Successes

Configure

Sample #	Start Time	Thread Name	Label	Sample Time(ms)	Status	Bytes	Sent Bytes	Latency	Connect Time(...)
1	14:46:02.709	Thread Group 1...	HTTP Request	496	<div></div>	1775	230	99	54
2	14:46:02.814	Thread Group 1...	HTTP Request	589	<div></div>	1775	230	81	40
3	14:46:03.010	Thread Group 1...	HTTP Request	1097	<div></div>	1775	230	195	39
4	14:46:02.915	Thread Group 1...	HTTP Request	1192	<div></div>	1775	230	188	40
5	14:46:03.112	Thread Group 1...	HTTP Request	1391	<div></div>	1775	230	293	41
6	14:46:03.207	Thread Group 1...	HTTP Request	1297	<div></div>	1775	230	199	42
7	14:46:03.215	Thread Group 1...	HTTP Request	1790	<div></div>	1775	230	387	38
8	14:46:03.315	Thread Group 1...	HTTP Request	1987	<div></div>	1775	230	387	40
9	14:46:03.405	Thread Group 1...	HTTP Request	2597	<div></div>	1775	230	498	39
10	14:46:03.416	Thread Group 1...	HTTP Request	2586	<div></div>	1775	230	889	43
11	14:46:03.615	Thread Group 1...	HTTP Request	2389	<div></div>	1775	230	1288	41
12	14:46:03.515	Thread Group 1...	HTTP Request	2691	<div></div>	1775	230	1092	42
13	14:46:04.107	Thread Group 1...	HTTP Request	2597	<div></div>	1775	230	896	44
14	14:46:04.107	Thread Group 1...	HTTP Request	2796	<div></div>	1775	230	1097	44
15	14:46:04.504	Thread Group 1...	HTTP Request	2700	<div></div>	1775	230	899	41
16	14:46:04.505	Thread Group 1...	HTTP Request	2898	<div></div>	1775	230	1301	42
17	14:46:05.005	Thread Group 1...	HTTP Request	2599	<div></div>	1775	230	999	43
18	14:46:05.303	Thread Group 1...	HTTP Request	2599	<div></div>	1775	230	1003	43
19	14:46:06.004	Thread Group 1...	HTTP Request	2098	<div></div>	1775	230	500	42
20	14:46:06.003	Thread Group 1...	HTTP Request	2503	<div></div>	1775	230	800	43
21	14:46:06.705	Thread Group 1...	HTTP Request	2098	<div></div>	1775	230	798	39
22	14:46:06.003	Thread Group 1...	HTTP Request	2902	<div></div>	1775	230	1002	43
23	14:46:06.206	Thread Group 1...	HTTP Request	2999	<div></div>	1775	230	998	41
24	14:46:07.205	Thread Group 1...	HTTP Request	2501	<div></div>	1775	230	897	40
25	14:46:06.904	Thread Group 1...	HTTP Request	2802	<div></div>	1775	230	801	43
26	14:46:07.404	Thread Group 1...	HTTP Request	4963	<div></div>	1775	230	799	42
27	14:46:07.604	Thread Group 1...	HTTP Request	4763	<div></div>	1775	230	899	40
28	14:46:07.902	Thread Group 1...	HTTP Request	4467	<div></div>	1775	230	705	43
29	14:46:08.804	Thread Group 1...	HTTP Request	3701	<div></div>	1775	230	699	41
30	14:46:08.507	Thread Group 1...	HTTP Request	3998	<div></div>	1775	230	800	41
31	14:46:08.905	Thread Group 1...	HTTP Request	3701	<div></div>	1775	230	798	41
32	14:46:09.400	Thread Group 1...	HTTP Request	1788	<div></div>	1775	230	888	40

Scroll automatically?

Child samples?

No of Samples 50

Latest Sample 1441

Average 2637

Deviation 1046

Summary Report

Name: 

Summary Report

Comments:

Write results to file / Read from file

Filename 

Browse...

 Log/Display Only: ☐ Errors ☐ Successes 

Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/s...	Sent KB/sec	Avg. Bytes
HTTP Request	100	2485	385	4963	846.10	0.00%	1.1/sec	1.94	0.25	1775.0
TOTAL	100	2485	385	4963	846.10	0.00%	1.1/sec	1.94	0.25	1775.0

Test 2

Scenario:

Thread Group

Name: 

Course Scheduler

Comments:

Action to be taken after a Sampler error

☒ Continue

☐ Start Next Thread Loop

☐ Stop Thread

☐ Stop Test

☐ Stop Test Now

Thread Properties

Number of Threads (users): 

200

Ramp-up period (seconds): 

2

Loop Count: ☐ Infinite 

10

☐ Same user on each iteration

☐ Delay Thread creation until needed

☐ Specify Thread lifetime

Results:

Aggregate Report

Name: 

Aggregate Report

Comments:

Write results to file / Read from file

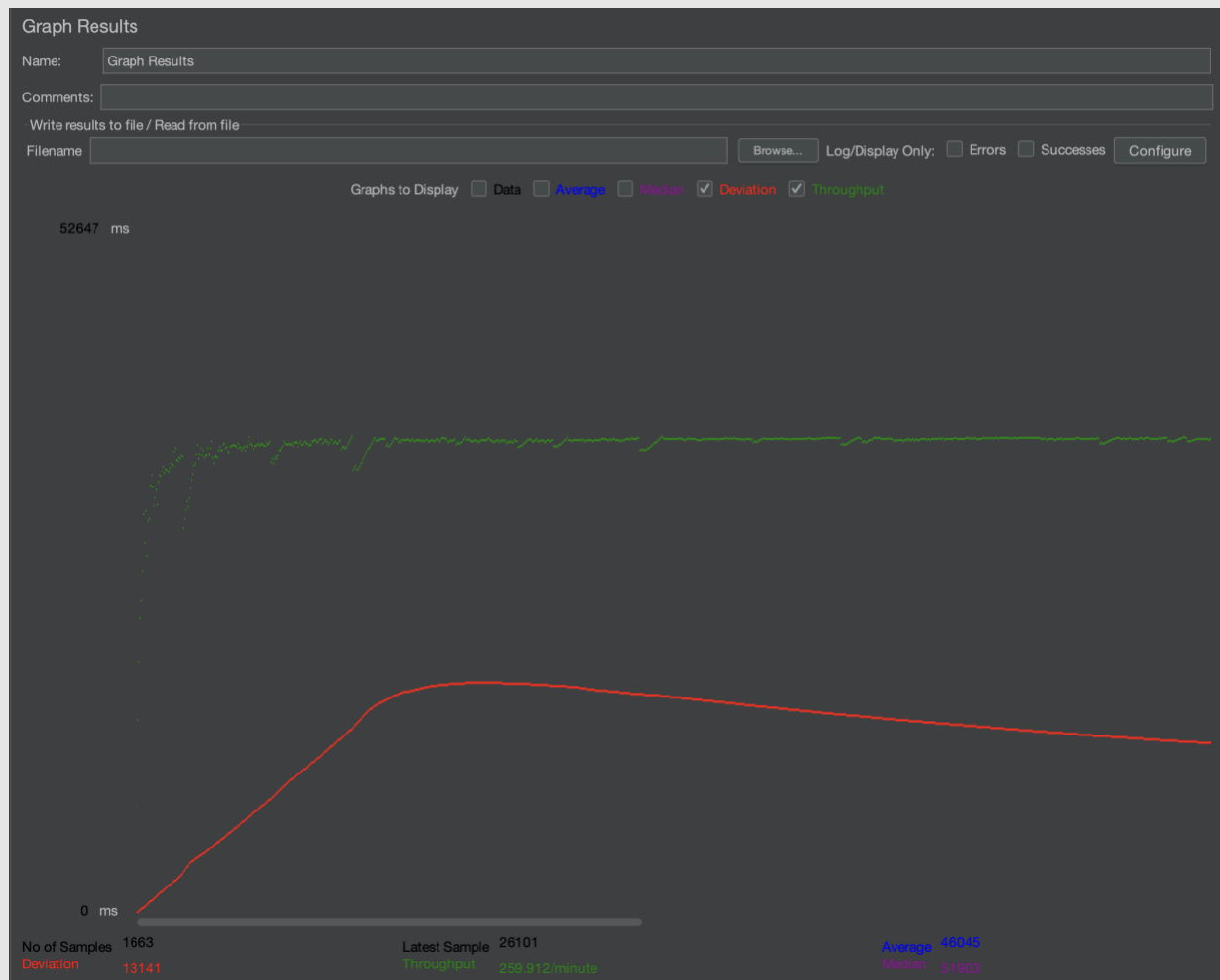
Filename 

Browse...

 Log/Display Only: ☐ Errors ☐ Successes 

Configure

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received K...	Sent KB/sec
HTTP Requ...	1663	46045	51903	53071	53601	55003	345	56014	12.03%	4.3/sec	8.18	0.87
TOTAL	1663	46045	51903	53071	53601	55003	345	56014	12.03%	4.3/sec	8.18	0.87



### Summary of Results:

With a stress test of 200 listeners, a ramp up period of 2 seconds and a loop count of 10, out average throughput was 4.3 req/sec or 259.912 req/min with a standard deviation of 13141. Comparing this to [www.google.com](http://www.google.com)'s throughput of 1419.13 req/minute and standard deviation of 577, we can say that our scheduler's performance is considerably less than the gold quality of google server but can be considered industry average and over performing the industry average for our purposes. With an error rate of just 12% for 200 users making concurrent requests, the stress testing is an overwhelming success.