

Task 10

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1 Goal

Perform long-time testing under low load, determine KPI and calculate it, try to identify any issues based on the results.

Prerequisites: previously generated 1000 text posts.

As a Low load, ~30% of the System Capacity was taken, namely 11 users, including 7 with the role of anonymous, and two each with the roles of admin and editor.

Duration long time test: 8 hours

High-level description of the load model: Testing for a combined scenario describing scenarios for simultaneous work with the BlogEngine.NET 3.2. by users with the roles admin, editor, anonymous.

Testing scenario: simulating user behavior on the site, where:

Admin - Open home page, log in as Admin user, open Admin's page, check number of Anonymous users and decide to add or delete user, finally Log out

Editor - Open home page, log in as an Editor user, open a predefined date, open a random post and edit it, rapid it 50 times, and finally Log out.

Anonymous user - visits different pages, opens posts and leave comments.

Test environment: test application and load generator are running on the same computer. Application is executed on the virtual machine and the load generator is executed on the host.

2 Summary

Perform long-time testing application BlogEngine .NET 3.2 (web) with low load test data as different numbers of text posts (100, 1000, 2000, 5000) showed some change in Key Performance Indicators over time.

For convenience of analysis, the total duration of the eight-hour test was divided into 4 sections of 2 hours each.

So Throughput avg for the entire test was 12 rps and gradually decreased throughout the test. In the 0-2h segment it was 14 rps, for the 2-4h segment it was 13 rps, for the 4-6h segment it decreased again and amounted to 12 rps. For the 6-8h segment, it was the smallest and amounted to 10 rps (which is 28% less than in the 0-2h time segment).

The average CPU usage for the entire test was 86% and gradually increased throughout the test. So if for the 0-2h section it was 76%, for the 6-8h section it was 91%.

The average response time overall for all requests for the 6-8h segment increased by about 3.5 times compared to the 0-2h segment.

Average error rate, although for the entire test was 0.6%, but increased significantly from 0.2% in the 0-2h section to 1% for the 6-8h section.

Bottleneck suggestion:

Considering that during the test, edits in posts in some cases increased the size of the text of the most popular posts published on the days included in the list of predefined dates by 2 or more times. If we take into account the increase in response time, combined with the frequency of requests for which such an increase in data volume could affect such requests in the first place (Open Random post, Open first post, TC_Open Predefined Date, TC_Search by Name, leave a comment). It looks like the slightly increased system load resulted in an increase in average CPU usage which was already high and had no potential to compensate for the increased load.

3 What was tested

BlogEngine.NET 3.2 (web) (Executed on the application server)

Parameters of the system under test:

VirtualBox Graphical User Interface Version 7.0.4 r154605 (Qt5.15.2), Windows Server 2016 Standard (64-bit)

OS Name: Microsoft Windows 10 Enterprise, (64-bit) Version 10.0.19044 Build 19044

Base memory: 2,0Gb

Processor: Intel(R) Core(TM) i7-10610U CPU @ 1.80GHz, 2304 Mhz, 1 Core(s), 1 Logical Processor(s)

Storage: Virtual size 60.00 GB

Network: Bridged adapter, Intel® Wi-Fi 6 AX201 160Mhz

4 Load generator system options

Load generator tool: Apache JMeter 5.5 (Executed on Host)

OS Name: Microsoft Windows 10 Enterprise (64-bit) Version 10.0.19045 Build 19045

Base memory: 32,0 GB

Processor: Intel(R) Core(TM) i7-10610U CPU @ 1.80GHz, 2304 Mhz, 4 Core(s), 8 Logical Processor(s)

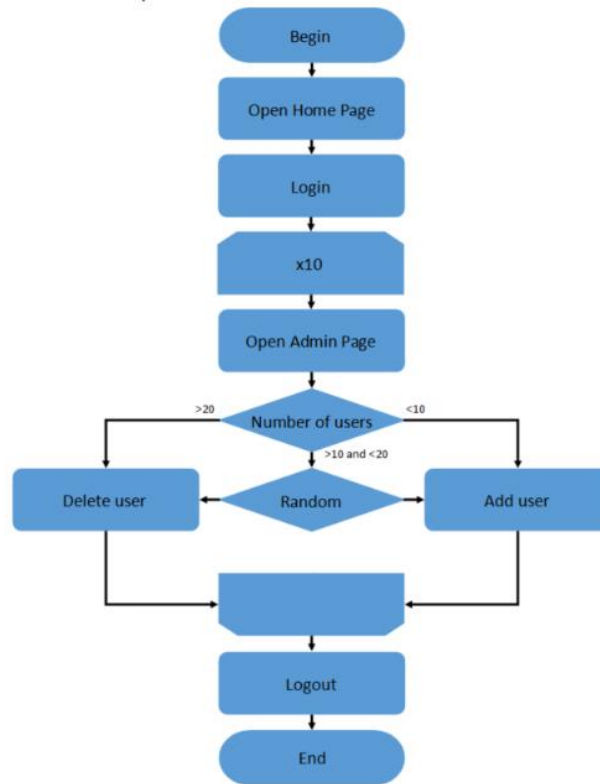
Storage: C: 248 Gb, D: Locked

Running Tests: Jenkins

Collection and visualization of metrics: InfluxDB, Telegraf, Grafana

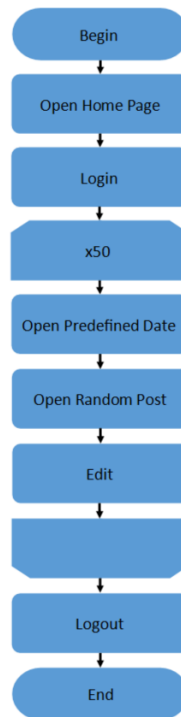
5. Admin script

First, open the home page then log in as an Admin user, after that 10 times check number of Anonymous users and decide to add or delete users, and finally log out.



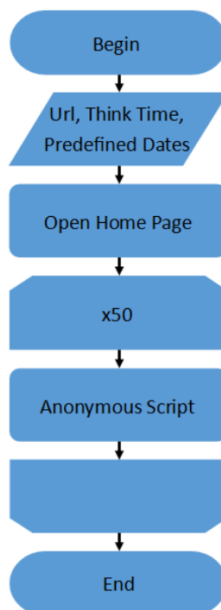
6. Editor script

First, Open home page, log in as an Editor user, open a predefined date, open a random post and edit it, rapid it 50 times, and finally Log out.



7. Anonymous Script

First, open the home page then 50 times runs Anonymous Script.



In the Anonymous Script:

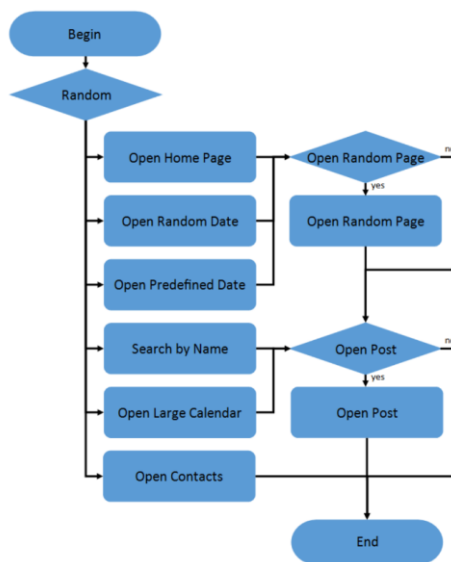
Step 1. The following pages open with the following probabilities:

1. Home Page: 15%

2. Open Random Date: 10%
3. Open Predefined Date: 30%
4. Search by Name: 30%
5. Open Large Calendar: 10%
6. Open Contacts: 5%

Step 2. If Step 1 is opened one of the first three pages (home page, page of random date, page of predefined date from csv file) then make a random decision to open or not to open a random page (if there is more than one page with posts).

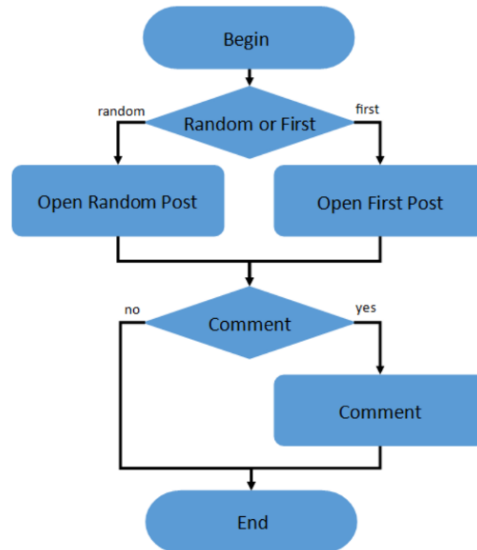
Step 3. After Step 2 (or after Step 1 if there was no opened one of the first three pages) make a decision to open or not to open a post with 80% / 20% probabilities.



If "Open post script" is selected

Step 1. Make a decision to open a random post of the first post with 65% / 35% probabilities.

Step 2. Make a decision to add a comment or not with 20% / 80% probabilities.



8 Aggregated test results

Perform long-time testing application BlogEngine .NET 3.2 (web) with low load test data as different numbers of text posts (100, 1000, 2000, 5000) showed some change in Key Performance Indicators over time.

For convenience of analysis, the total duration of the eight-hour test was divided into 4 sections of 2 hours each.

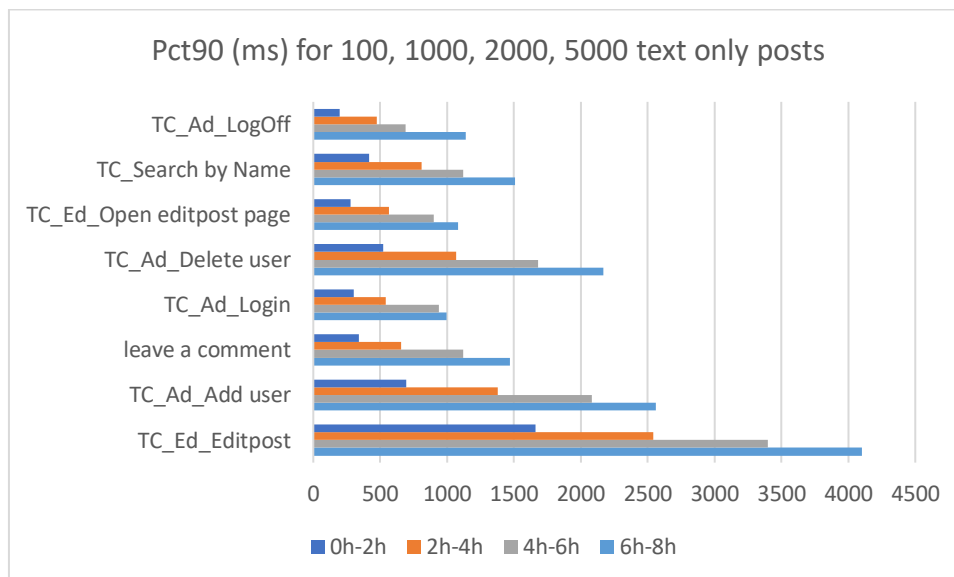
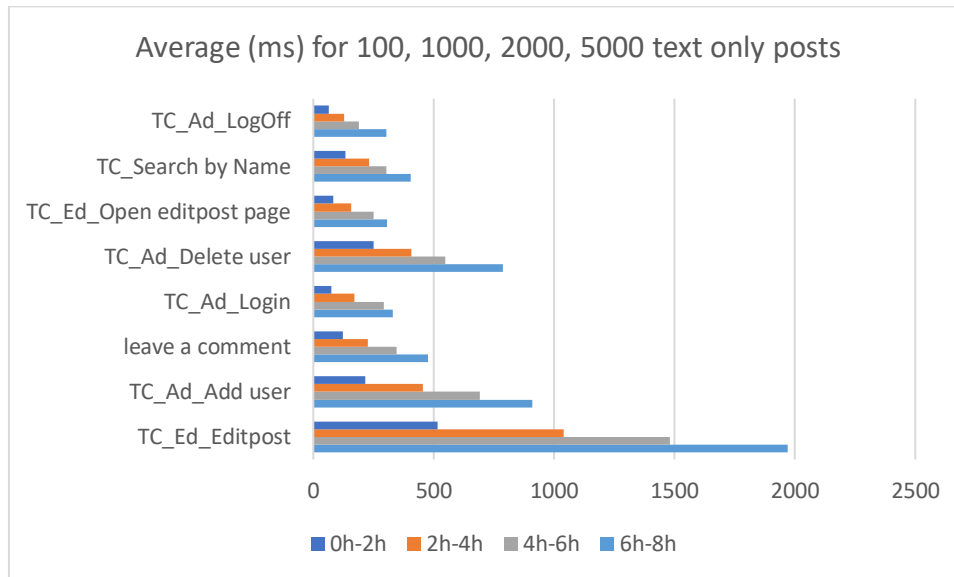
Performance Indicators	0h-2h	2h-4h	4h-6h	6h-8h	All time
Throughput max (rps)	18	17	18	16	18
Throughput avg (rps)	14	13	12	10	12
CPU usage max (%)	100	100	100	100	100
CPU usage avg (%)	76	87	87	91	86
Memory usage max (%)	88	92	91	90	92
Memory usage avg (%)	80	81	81	82	81
IIS stopped during the test	N	N	N	N	N
An effective duration of test (sec)	7202	7202	7202	7201	28807
Transactions count	102798	90215	83109	74370	350492
Error count	225	526	624	732	2110
Average error rate (%)	0.2	0.6	0.8	1.0	0.6

So Throughput avg for the entire test was 12 rps and gradually decreased throughout the test. In the 0-2h segment it was 14 rps, for the 2-4h segment it was 13 rps, for the 4-6h segment it decreased again and amounted to 12 rps. For the 6-8h segment, it was the smallest and amounted to 10 rps (which is 28% less than in the 0-2h time segment).

The average CPU usage for the entire test was 86% and gradually increased throughout the test. So if for the 0-2h section it was 76%, for the 6-8h section it was 91%.

The average response time overall for all requests for the 6-8h segment increased by about 3.5 times compared to the 0-2h segment.

The graph shows the average response time and the 90th percentile for the 8 most time-consuming queries.



Average error rate, although for the entire test was 0.6%, but increased significantly from 0.2% in the 0-2h section to 1% for the 6-8h section.

9 Detailed test results

1 Test results for all test:

Response time vs Active threads vs Throughput vs Error rate graph:



Throughput:



Aggregate report:

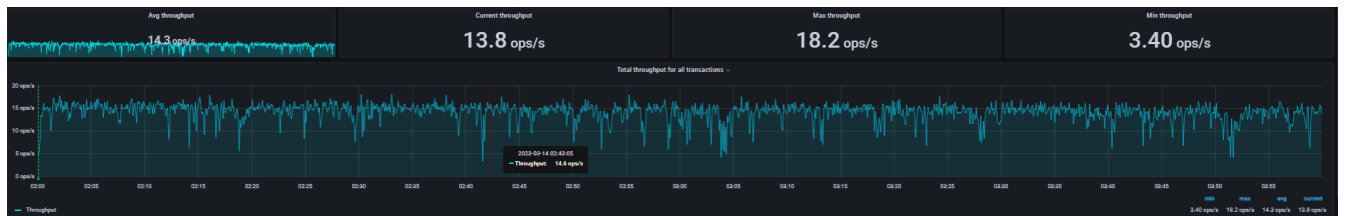
Transaction	Number of samples	Average	p0%	p50%	p90%	p99%	Min	Max	Error Count
Open Random post	60.79 K	186.91	966.40	1.90 K	4.96 K	8.00	8.00	6.03 K	-
Open first post	31.40 K	354.64	1.72 K	2.66 K	7.61 K	8.00	8.04 K	1.00	-
TC_Aid_Add user	6.21 K	350.14	2.22 K	3.16 K	23.92 K	9.00	24.13 K	119.00	-
TC_Aid_Delete user	6.33 K	485.36	1.82 K	2.74 K	94.89 K	0.00	95.83 K	11.00	-
TC_Aid_LogOff	1.25 K	161.97	626.20	1.87 K	4.64 K	10.00	5.21 K	-	-
TC_Aid_Login	1.25 K	205.35	940.00	1.47 K	5.48 K	10.00	5.90 K	-	-
TC_Aid_Open Admin Page	12.54 K	136.60	716.10	1.42 K	4.34 K	2.00	5.99 K	-	-
TC_Aid_Open Home page	1.25 K	119.01	634.80	1.54 K	3.11 K	8.00	3.12 K	-	-
TC_Aid_Open USERS menu	12.54 K	141.10	722.60	1.42 K	5.59 K	2.00	5.67 K	27.00	-
TC_Aid_Open Users page	12.54 K	313.10	1.36 K	2.53 K	5.61 K	11.00	6.04 K	20.00	-
TC_Aid_Open login page	1.25 K	317.25	1.25 K	2.00 K	5.14 K	61.00	5.15 K	-	-
TC_Ed_Editpost	7.92 K	1.22 K	3.52 K	4.69 K	91.54 K	0.00	92.41 K	1.90 K	-
TC_Ed_LogOff	158.00	85.15	417.60	870.00	2.52 K	11.00	2.52 K	-	-
TC_Ed_Login	160.00	124.82	559.70	686.50	1.61 K	14.00	1.61 K	-	-
TC_Ed_Open Home page	160.00	97.33	583.50	898.05	2.23 K	10.00	2.23 K	-	-
TC_Ed_Open Predefined Date	7.92 K	100.48	656.80	1.20 K	3.45 K	8.00	3.48 K	-	-
TC_Ed_Open Random post	7.92 K	151.37	726.50	1.31 K	3.07 K	8.00	3.09 K	-	-
TC_Ed_Open editpost page	7.92 K	193.44	880.70	1.45 K	5.36 K	3.00	5.42 K	-	-
TC_Ed_Open login page	160.00	280.20	1.05 K	1.92 K	2.22 K	97.00	2.57 K	-	-
TC_Open Contacts	5.55 K	147.24	711.00	1.39 K	5.96 K	6.00	6.00 K	-	-
TC_Open Home page	20.76 K	155.46	760.20	1.64 K	5.56 K	0.00	5.85 K	-	-
TC_Open Large Calendar	13.76 K	150.65	787.00	1.49 K	5.27 K	8.00	5.33 K	-	-
TC_Open Predefined Date	41.44 K	155.65	824.20	1.81 K	4.58 K	6.00	5.59 K	1.00	-
TC_Open Random Date	13.91 K	151.38	747.00	1.54 K	5.05 K	0.00	5.37 K	-	-
TC_Open Random page >1	1.20 K	136.78	595.30	1.41 K	2.79 K	7.00	2.79 K	-	-
TC_Open Random page >1	11.45 K	144.58	658.70	1.39 K	5.15 K	0.00	5.19 K	-	-
TC_Search by Name	41.28 K	268.38	1.19 K	2.14 K	5.18 K	0.00	5.87 K	2.00	-
TC_start_Open Home page	2.76 K	150.05	723.20	1.27 K	4.90 K	8.00	4.93 K	-	-
leave a comment	18.49 K	290.55	1.18 K	2.20 K	87.15 K	4.00	95.45 K	29.00	-

2 Test results for 0-2h:

Response time vs Active threads vs Throughput vs Error rate graph:



Throughput:



Aggregate report:

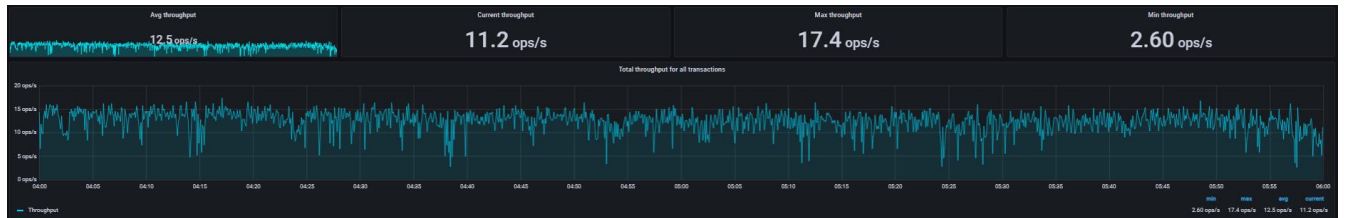
Transaction	Number of Samples	Average	min	max	Error Count
Open Random post	17.93 K	78.30	303.90	1.14 K	3.77 K
TC_Open predefined Date	12.27 K	67.38	240.60	1.01 K	3.81 K
TC_Search by Name	12.13 K	134.69	418.40	1.30 K	2.86 K
Open first post	9.32 K	106.14	382.30	1.08 K	3.77 K
TC_Open Home page	6.11 K	71.97	247.80	840.15	3.92 K
leave a comment	5.42 K	121.66	338.50	1.24 K	87.16 K
TC_Open Large Calendar	4.06 K	70.86	223.70	1.10 K	3.33 K
TC_Open Random Date	4.04 K	64.84	212.20	446.10	3.61 K
TC_Aid_Open Users page	3.64 K	138.47	500.30	1.60 K	3.75 K
TC_Aid_Open USERS menu	3.64 K	57.27	180.30	607.35	4.24 K
TC_Aid_Open Admin Page	3.64 K	55.83	174.80	742.70	2.78 K
TC_Open Random page <1	3.38 K	68.87	213.20	648.65	3.90 K
TC_Ed_Open editpost page	2.28 K	82.88	279.40	960.75	2.23 K
TC_Ed_Open Random post	2.28 K	64.68	182.50	420.15	2.62 K
TC_Ed_Open predefined Date	2.28 K	69.88	217.00	605.25	2.93 K
TC_Ed_Editpost	2.28 K	576.44	1.66 K	3.13 K	21.26 K
TC_Aid_Delete user	1.82 K	269.93	923.10	1.88 K	85.80 K
TC_Aid_Add user	1.81 K	213.71	692.60	1.92 K	4.47 K
TC_Open Contacts	1.60 K	72.35	212.30	1.66 K	2.79 K
TC_start_Open Home page	816.00	78.48	219.80	795.25	2.82 K
TC_Aid_Open login page	365.00	199.54	418.40	1.63 K	5.16 K
TC_Aid_Open Home page	365.00	48.21	165.20	318.40	1.97 K
TC_Aid_Login	365.00	74.65	300.90	473.25	1.87 K
TC_Aid_LogOff	365.00	64.87	196.00	378.85	1.23 K
TC_Open Random page <1	346.00	67.20	233.90	965.45	2.28 K
TC_Ed_Open login page	46.00	255.83	1.55 K	2.02 K	2.22 K
TC_Ed_Open Home page	46.00	35.95	105.60	160.00	174.00
TC_Ed_Login	46.00	71.93	259.20	802.90	1.26 K
TC_Ed_LogOff	44.00	33.12	81.60	145.75	207.00

2 Test results for 2-4h:

Response time vs Active threads vs Throughput vs Error rate graph:



Throughput:



Aggregate report:

transaction	NumberOfSamples	Average	avg90	avg95	avg99	Min	Max	Error Count
Open Random post	15.83 K	133.32	583.70	1.73 K	4.03 K	9.00	4.44 K	-
TC_Search by Name	10.70 K	231.23	811.20	1.30 K	3.88 K	7.00	4.20 K	1.00
TC_Open Predefined Date	10.66 K	130.96	578.60	1.27 K	3.91 K	7.00	3.92 K	1.00
Open first post	8.08 K	268.89	926.40	1.80 K	8.22 K	8.00	8.30 K	1.00
TC_Open Home page	5.22 K	128.55	505.60	976.30	3.93 K	9.00	3.96 K	-
leave a comment	4.75 K	226.99	658.60	1.65 K	55.25 K	9.00	55.25 K	8.00
TC_Open Random Date	3.63 K	131.44	531.40	1.10 K	3.49 K	7.00	3.50 K	-
TC_Open Large Calendar	3.57 K	126.92	415.10	1.29 K	3.37 K	8.00	3.38 K	-
TC_Aid_Open Users page	3.24 K	262.43	900.70	2.08 K	5.02 K	12.00	5.04 K	9.00
TC_Aid_Open USERS menu	3.24 K	118.72	460.10	1.11 K	3.07 K	3.00	3.08 K	6.00
TC_Aid_Open Admin Page	3.24 K	112.89	430.00	774.65	3.11 K	2.00	3.12 K	-
TC_Open Random page v1	2.85 K	128.27	419.60	746.95	3.98 K	7.00	3.99 K	-
TC_Ed_Open Random post	2.05 K	118.00	373.90	674.30	2.88 K	11.00	2.90 K	-
TC_Ed_Open Predefined Date	2.05 K	105.64	411.50	617.60	2.91 K	8.00	2.93 K	-
TC_Ed_Editpost	2.05 K	1.04 K	2.34 K	3.42 K	22.38 K	96.00	22.38 K	466.00
TC_Ed_Open editpost page	2.05 K	157.07	567.00	975.15	2.20 K	4.00	2.30 K	-
TC_Aid_Delete user	1.64 K	407.62	1.07 K	1.92 K	94.89 K	7.00	95.83 K	3.00
TC_Aid_Add user	1.61 K	454.93	1.38 K	2.29 K	7.88 K	11.00	7.93 K	31.00
TC_Open Contacts	1.48 K	122.45	479.00	815.30	3.31 K	6.00	3.53 K	-
TC_start_Open Home page	713.00	115.03	413.40	682.45	2.38 K	9.00	2.39 K	-
TC_Aid_Open login page	323.00	256.24	715.00	978.35	4.12 K	62.00	4.13 K	-
TC_Aid_Open Home page	323.00	100.16	383.00	523.30	1.97 K	9.00	1.98 K	-
TC_Aid_Login	323.00	169.32	543.90	828.10	1.87 K	15.00	1.88 K	-
TC_Aid_LogOff	323.00	127.89	474.40	622.95	2.41 K	10.00	2.42 K	-
TC_Open Random page v1	319.00	135.26	437.50	1.76 K	2.79 K	7.00	2.79 K	-
TC_Ed_Open login page	42.00	232.71	415.80	1.31 K	2.22 K	97.00	2.22 K	-
TC_Ed_Open Home page	42.00	70.67	125.00	268.60	2.23 K	10.00	2.23 K	-
TC_Ed_Login	42.00	108.74	322.50	507.00	1.26 K	14.00	1.26 K	-
TC_Ed_LogOff	42.00	61.01	215.00	388.35	870.00	11.00	870.00	-

2 Test results for 4-6h:

Response time vs Active threads vs Throughput vs Error rate graph:



Throughput:



Aggregate report:

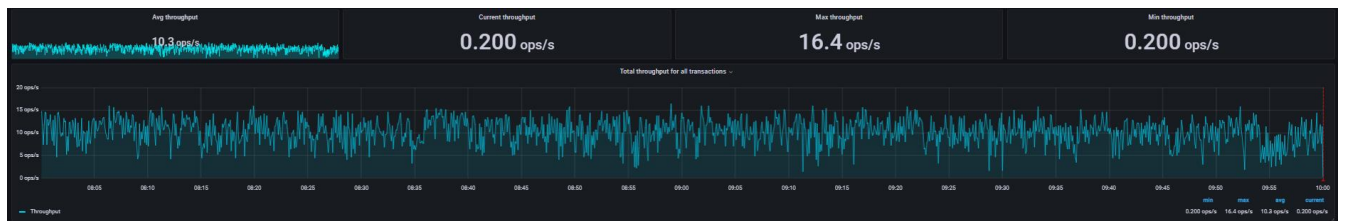
transaction	NumberOfSamples	Average	pct90	pct95	pct99	Min	Max	Error Count
Open Random post	14.47 K	215.73	956.20	1.89 K	5.67 K	8.00	5.87 K	-
TC_Open_Preddefined Date	9.82 K	183.92	797.00	1.92 K	5.58 K	7.00	5.59 K	-
TC_Search by Name	9.73 K	303.79	1.12 K	2.19 K	5.84 K	7.00	5.87 K	-
Open first post	7.44 K	430.32	1.54 K	2.32 K	7.34 K	9.00	7.39 K	-
TC_Open Home page	4.96 K	184.37	748.30	1.80 K	3.36 K	9.00	3.59 K	-
leave a comment	4.39 K	346.90	1.12 K	2.38 K	54.50 K	4.00	54.50 K	11.00
TC_Open Random Date	3.32 K	163.70	702.40	1.22 K	3.64 K	6.00	3.65 K	-
TC_Open Large Calendar	3.24 K	183.44	845.50	1.40 K	3.58 K	8.00	3.59 K	-
TC_Atl_Open Admin Page	2.99 K	166.01	693.70	1.39 K	3.82 K	2.00	3.82 K	-
TC_Atl_Open USERS menu	2.98 K	164.83	703.70	1.21 K	5.59 K	3.00	5.62 K	5.00
TC_Atl_Open Users page	2.98 K	378.92	1.20 K	2.43 K	6.82 K	11.00	6.84 K	2.00
TC_Open Random page =1	2.71 K	170.36	635.80	1.35 K	4.17 K	7.00	4.19 K	-
TC_Est_Open editpost page	1.88 K	249.93	900.20	1.36 K	3.30 K	3.00	3.31 K	-
TC_Est_Open Random post	1.88 K	189.42	732.10	1.12 K	3.08 K	12.00	3.09 K	-
TC_Est_Open Preddefined Date	1.88 K	164.05	657.10	1.25 K	3.46 K	8.00	3.48 K	-
TC_Est_Editpost	1.88 K	1.48 K	3.43 K	4.88 K	91.54 K	88.00	92.41 K	569.00
TC_Atl_Delete user	1.51 K	548.72	1.68 K	2.61 K	89.20 K	8.00	90.05 K	3.00
TC_Atl_Add user	1.48 K	690.68	2.08 K	2.91 K	23.83 K	10.00	24.13 K	34.00
TC_Open Contacts	1.28 K	176.43	601.60	1.19 K	3.22 K	6.00	3.22 K	-
TC_start_Open Home page	633.00	164.36	630.60	1.01 K	4.90 K	10.00	4.93 K	-
TC_Open login page	298.00	393.64	1.12 K	1.59 K	4.12 K	89.00	4.13 K	-
TC_Atl_Open Home page	298.00	168.29	644.20	1.54 K	3.19 K	9.00	3.12 K	-
TC_Atl_Login	298.00	292.93	640.00	1.73 K	4.57 K	15.00	4.57 K	-
TC_Atl_LogOff	298.00	190.39	688.60	1.11 K	3.47 K	12.00	3.49 K	-
TC_Open Random page =1	293.00	138.87	393.60	706.35	2.70 K	7.00	2.71 K	-
TC_Est_Open login page	37.00	282.95	650.50	1.21 K	2.22 K	97.00	2.22 K	-
TC_Est_Open Home page	37.00	122.63	358.30	876.60	2.23 K	10.00	2.23 K	-
TC_Est_Login	37.00	143.64	390.10	686.50	1.61 K	14.00	1.61 K	-
TC_Est_LogOff	37.00	102.06	293.70	706.05	1.16 K	11.00	1.16 K	-

2 Test results for 6-8h:

Response time vs Active threads vs Throughput vs Error rate graph:



Throughput:



Aggregate report:

Transaction	Number of Samples	Average	perc90	perc95	perc99	Min	Max	Error Count
Open Random post	12.74 K	299.88	1.29 K	2.07 K	3.27 K	8.00	6.03 K	-
TC_Search by Name	8.72 K	403.83	1.51 K	2.32 K	3.61 K	0.00	5.66 K	1.00
TC_Open Preadefined Date	8.69 K	240.90	1.87 K	2.20 K	3.00 K	7.00	5.37 K	-
Open first post	6.77 K	614.54	2.22 K	3.19 K	8.99 K	10.00	9.04 K	-
TC_Open Home page	4.46 K	241.00	905.40	2.04 K	3.82 K	0.00	3.83 K	-
leave a comment	3.93 K	475.65	1.47 K	2.54 K	94.55 K	4.00	15.45 K	7.00
TC_Open Random Date	2.92 K	254.08	1.06 K	2.10 K	3.33 K	0.00	5.37 K	-
TC_Open Large Calendar	2.90 K	229.11	938.70	1.81 K	3.30 K	8.00	3.33 K	-
TC_Aid_Open Users page	2.67 K	483.94	1.71 K	2.94 K	5.61 K	12.00	5.62 K	6.00
TC_Aid_Open USERS menu	2.67 K	228.28	966.80	2.03 K	5.63 K	2.00	5.67 K	18.00
TC_Aid_Open Admin Page	2.67 K	216.17	876.30	1.65 K	3.94 K	2.00	5.99 K	-
TC_Open Random page +1	2.50 K	221.75	872.90	1.65 K	3.16 K	0.00	5.19 K	-
TC_Ed_Editpost	1.72 K	1.97 K	4.10 K	5.94 K	90.46 K	0.00	91.32 K	671.00
TC_Ed_Open Random post	1.71 K	251.83	878.50	1.76 K	3.07 K	0.00	3.09 K	-
TC_Ed_Open Preadefined Date	1.71 K	197.55	762.20	1.28 K	3.31 K	8.00	3.32 K	-
TC_Ed_Open editpost page	1.71 K	304.94	1.08 K	1.79 K	5.39 K	5.00	5.42 K	-
TC_Aid_Delete user	1.33 K	788.55	2.17 K	3.34 K	90.76 K	0.00	91.62 K	3.00
TC_Aid_Add user	1.32 K	910.25	2.56 K	3.96 K	6.53 K	11.00	6.54 K	34.00
TC_Open Contacts	1.16 K	235.60	901.80	1.78 K	3.96 K	6.00	6.00 K	-
TC_start_Open Home page	581.00	265.59	886.60	1.63 K	4.90 K	11.00	4.93 K	-
TC_Aid_Open login page	267.00	464.50	1.58 K	2.01 K	3.03 K	89.00	3.06 K	-
TC_Aid_Open Home page	267.00	184.07	724.30	1.08 K	3.11 K	10.00	3.12 K	-
TC_Aid_Login	267.00	331.12	998.20	1.51 K	5.48 K	17.00	5.50 K	-
TC_Aid_LogOff	267.00	302.99	1.14 K	2.50 K	5.19 K	12.00	5.21 K	-
TC_Open Random page +1	243.00	204.77	825.10	1.41 K	2.10 K	7.00	2.10 K	-
TC_Ed_Open login page	35.00	363.62	1.18 K	1.45 K	2.56 K	97.00	2.57 K	-
TC_Ed_Open Home page	35.00	181.51	587.10	888.05	2.22 K	10.00	2.23 K	-
TC_Ed_Login	35.00	188.57	569.30	1.61 K	15.00	1.61 K	-	-
TC_Ed_LogOff	35.00	161.67	489.90	1.00 K	2.52 K	11.00	2.52 K	-

Links to source data:

Test fragment	Links
all	http://localhost:3000/d/rxKcwpFmk_3/load-test-monitoring_3?orgId=1&from=1678751996856&to=1678780804112&var-group_time=5s&var-metric=All&var-scenario=All&var-transactions=All&var-server_measurements=All&var-host=All&var-measurement=jmeter
0-2h	http://localhost:3000/d/rxKcwpFmk_3/load-test-monitoring_3?orgId=1&from=1678751996856&to=1678759198856&var-group_time=5s&var-metric=All&var-scenario=All&var-transactions=All&var-server_measurements=All&var-host=All&var-measurement=jmeter
2-4h	http://localhost:3000/d/rxKcwpFmk_3/load-test-monitoring_3?orgId=1&from=1678759198856&to=1678766400856&var-group_time=5s&var-metric=All&var-scenario=All&var-transactions=All&var-server_measurements=All&var-host=All&var-measurement=jmeter
4-6h	http://localhost:3000/d/rxKcwpFmk_3/load-test-monitoring_3?orgId=1&from=1678766400856&to=1678773602856&var-group_time=5s&var-metric=All&var-scenario=All&var-transactions=All&var-server_measurements=All&var-host=All&var-measurement=jmeter
6-8h	http://localhost:3000/d/rxKcwpFmk_3/load-test-monitoring_3?orgId=1&from=1678773602856&to=1678780804112&var-group_time=5s&var-metric=All&var-scenario=All&var-transactions=All&var-server_measurements=All&var-host=All&var-measurement=jmeter