

Environment: Analysis was performed on TEST environment.

General info:

	Host	Type	IP	Hosted Applications	Ports
STAGING	EPUAKYIW1686T1	VM	10.17.175.63	EPUAKYIW1686T1.kyiv.epam.com	8080, 4444

System resources (TEST env):

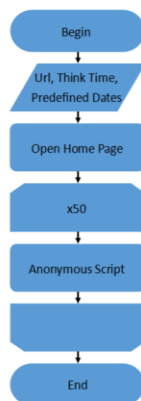
CPU, GHz	Memory, Gb	Disk size, Gb
2	8.192	100

Test scenario

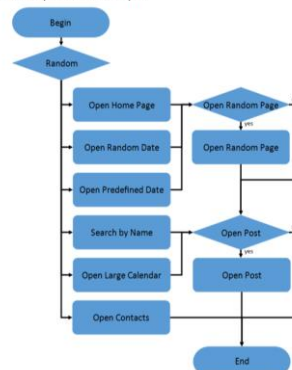
There is a combined scenario which is to include the scripts:

- Task 4 (admin)
- Task 5 (editor)
- Task 6 (anonymous)

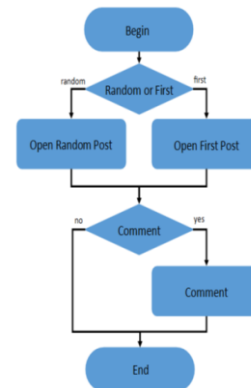
Main script



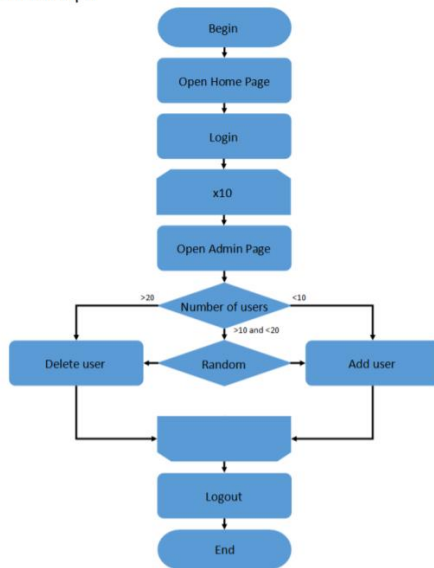
Anonymous script



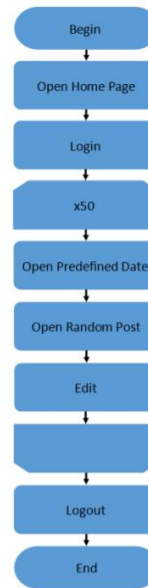
Open Post script



Admin script



Editor script



Test conditions

Transaction	Condition for anonymous script
open home page	15%
open random date	10%
open predefined date	30%
search by name	30%
open large calendar	10%
open contacts	5%
open random page	50%
open post	80%
open random post	65%
open first post	35%
add comment	20%

Test Setup

	Condition
number of virtual users	Up to 40 – Anonymous 2 – Admins 2 – Editors
ramp-up period(sec)	400 – Anonymous 30 – Admin 30 – Editor
duration(sec)	600
think time (sec)	3-5

Data Setup

Configuration	Posts amount	Posts data
1	1000	Text only
2	1000	Mixed

Test Results

Configuration	Avg throughput, ops	Avg response time, ms	Avg CPU %	Avg Processor time % for ISS
1	6.96	71	43	27
2	6.93	77	28	28

Test Summary

1 From gathered results, we can see only slight degradation.

Firstly, throughput 6.96ops against 6.93ops.

Secondly, avg response time 71ms against 77ms.

2 Degradation could be found on Open Users Page transaction, Open Home Page transaction, Open First Post transaction.

3 There is a little degradation on server in Processor time %.

Processor time % (avg)

27% - (1 Data configuration)

28% - (2 Data configuration)

4 Degradation on avg CPU could be because of the parallel process running with the server.

Recommendation

1 Rerun tests for 1000 text post.

Results: graphs and tables(for more details open dashboard HTMLReport > index)

1 Metrics Overview

1 Data configuration

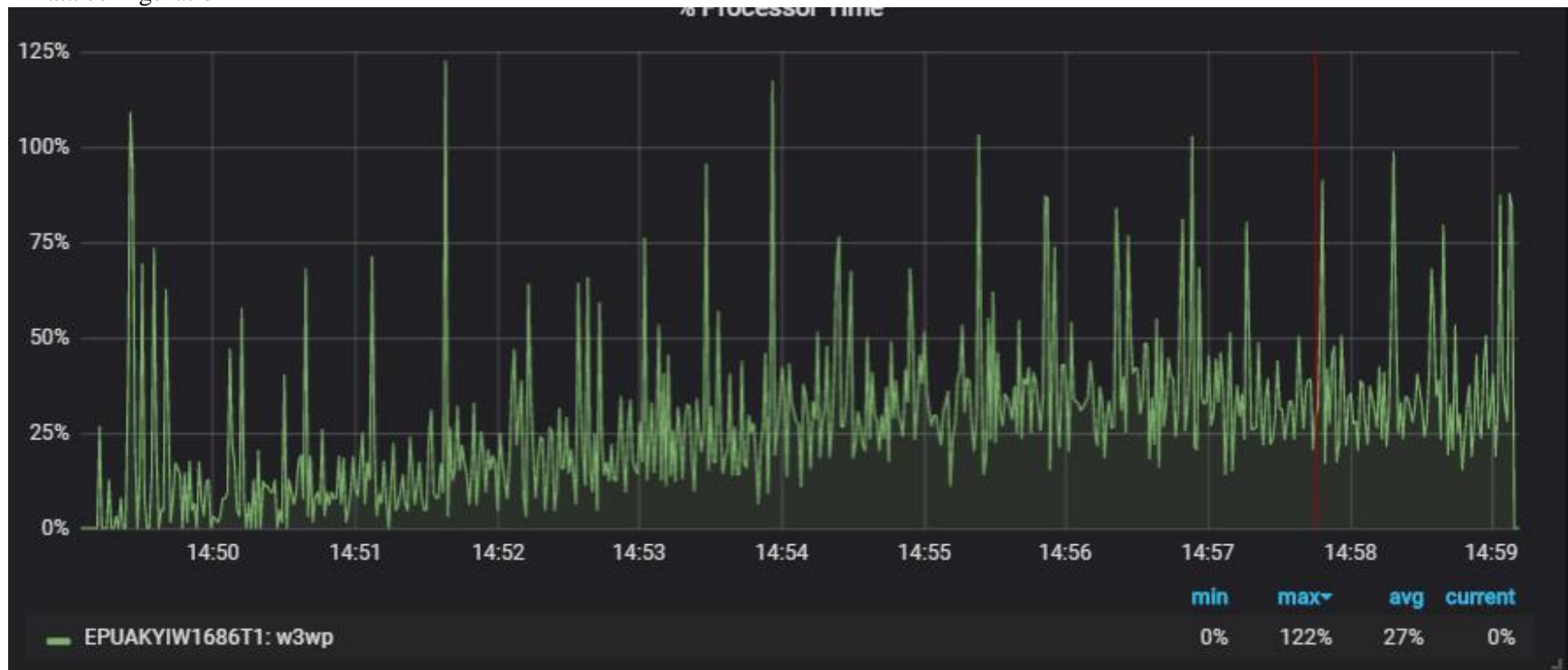
Request Name ▾	Count	Avg	Min	Max	Median	75%	90%	95%	99%
Open Users Page transaction	21	197.14 ms	10.00 ms	3.59 s	22.00 ms	29.00 ms	43.00 ms	172.00 ms	3.59 s
Open Random Post transaction	824	74.15 ms	28.00 ms	1.65 s	46.00 ms	61.00 ms	156.00 ms	189.00 ms	627.00 ms
Open Random Page transaction	772	71.29 ms	34.00 ms	3.84 s	47.00 ms	60.00 ms	70.00 ms	85.00 ms	434.00 ms
Open Predefined Date transaction	23	73.96 ms	32.00 ms	790.00 ms	37.00 ms	44.00 ms	56.00 ms	96.00 ms	790.00 ms
Open Home Page transaction	1577	78.07 ms	34.00 ms	4.41 s	47.00 ms	60.00 ms	74.00 ms	103.00 ms	617.00 ms
Open First Post transaction	441	71.10 ms	27.00 ms	1.58 s	45.00 ms	57.00 ms	87.00 ms	171.00 ms	599.00 ms
Open Admin Page transaction	21	145.57 ms	8.00 ms	2.79 s	9.00 ms	15.00 ms	34.00 ms	47.00 ms	2.79 s
Log out transaction	1	49.00 ms	49.00 ms	49.00 ms	49.00 ms	49.00 ms	49.00 ms	49.00 ms	49.00 ms
Log in transaction	45	58.71 ms	41.00 ms	99.00 ms	55.00 ms	66.00 ms	80.00 ms	84.00 ms	99.00 ms
Go to log in page transaction	45	17.76 ms	7.00 ms	186.00 ms	8.00 ms	13.00 ms	20.00 ms	31.00 ms	186.00 ms
Go To Main Blog page transaction	45	52.44 ms	37.00 ms	140.00 ms	44.00 ms	53.00 ms	77.00 ms	101.00 ms	140.00 ms
Delete User transaction	8	27.13 ms	13.00 ms	74.00 ms	18.50 ms	32.00 ms	35.00 ms	74.00 ms	74.00 ms
Comment transaction	247	60.21 ms	30.00 ms	744.00 ms	45.00 ms	56.00 ms	70.00 ms	100.00 ms	418.00 ms
Change Post transaction	21	517.95 ms	447.00 ms	730.00 ms	485.00 ms	544.00 ms	619.00 ms	650.00 ms	730.00 ms
Add User transaction	11	22.00 ms	11.00 ms	54.00 ms	18.00 ms	20.00 ms	34.00 ms	34.00 ms	54.00 ms

2 Data configuration

Metrics Overview									
Request Name	Count	Avg	Min	Max	Median	75%	90%	95%	99%
Open Users Page transaction	20	61.50 ms	10.00 ms	699.00 ms	20.00 ms	24.00 ms	37.00 ms	201.00 ms	699.00 ms
Open Random Post transaction	826	81.65 ms	29.00 ms	1.94 s	48.00 ms	59.00 ms	198.00 ms	218.00 ms	664.00 ms
Open Random Page transaction	771	69.89 ms	33.00 ms	4.08 s	50.00 ms	61.00 ms	72.00 ms	93.00 ms	315.00 ms
Open Predefined Date transaction	23	126.04 ms	32.00 ms	1.61 s	51.00 ms	60.00 ms	76.00 ms	244.00 ms	1.61 s
Open Home Page transaction	1576	66.11 ms	33.00 ms	5.42 s	50.00 ms	61.00 ms	70.00 ms	87.00 ms	402.00 ms
Open First Post transaction	437	73.21 ms	28.00 ms	2.71 s	47.00 ms	58.00 ms	80.00 ms	215.00 ms	396.00 ms
Open Admin Page transaction	20	137.05 ms	8.00 ms	2.42 s	16.50 ms	18.00 ms	35.00 ms	42.00 ms	2.42 s
Log out transaction	1	571.00 ms	571.00 ms	571.00 ms	571.00 ms	571.00 ms	571.00 ms	571.00 ms	571.00 ms
Log in transaction	44	64.75 ms	44.00 ms	110.00 ms	63.50 ms	72.00 ms	79.00 ms	100.00 ms	110.00 ms
Go to log in page transaction	44	20.55 ms	7.00 ms	227.00 ms	10.00 ms	15.00 ms	32.00 ms	34.00 ms	227.00 ms
Go To Main Blog page transaction	44	59.20 ms	38.00 ms	202.00 ms	55.50 ms	63.00 ms	69.00 ms	101.00 ms	202.00 ms
Delete User transaction	9	28.89 ms	11.00 ms	72.00 ms	31.00 ms	32.00 ms	33.00 ms	72.00 ms	72.00 ms
Comment transaction	244	55.64 ms	30.00 ms	792.00 ms	43.00 ms	55.00 ms	65.00 ms	81.00 ms	283.00 ms
Change Post transaction	21	527.57 ms	438.00 ms	697.00 ms	497.00 ms	542.00 ms	644.00 ms	686.00 ms	697.00 ms
Add User transaction	10	24.60 ms	11.00 ms	41.00 ms	27.50 ms	33.00 ms	34.00 ms	41.00 ms	41.00 ms

2 Processor time %

1 Data configuration



2 Data configuration

