

Environment: Analysis was performed on TEST environment.

General info:

	Host	Type	IP	Hosted Applications	Ports
STAGIN G	EPUAKYIW1686 T1	VM	10.17.172.226	EPUAKYIW1686T1.kyiv.epam.com	8080, 4444

System resources (TEST env):

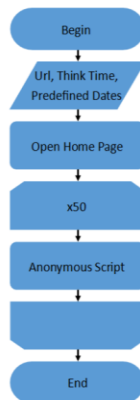
CPU, GHz	Memory, Gb	Disk size, Gb
2	8	100

Test scenario

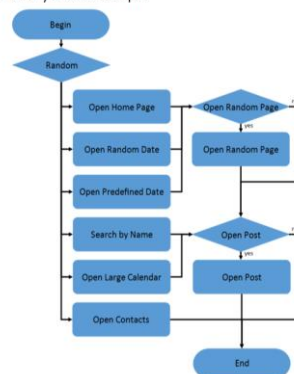
There is a combined scenario which is to include the scripts:

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

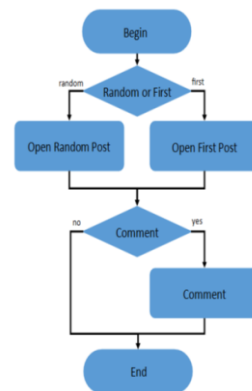
Main script



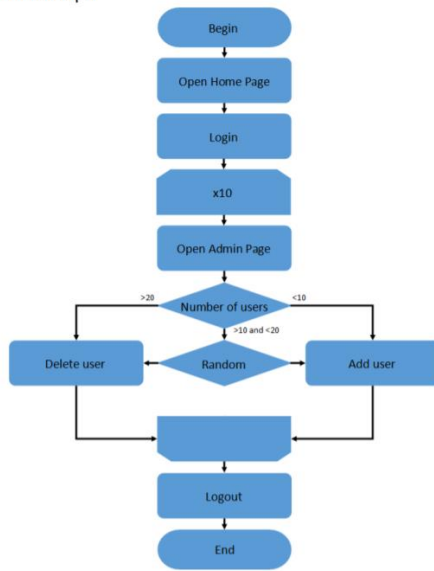
Anonymous script



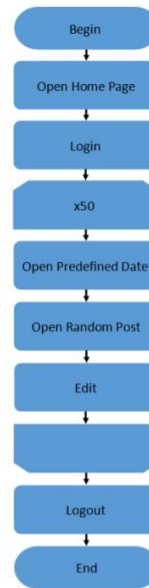
Open Post script



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 35 – Anonymous 2 – Admins 2 – Editors
ramp-up period(sec)	400 – Anonymous 30 – Admin 30 – Editor
duration(sec)	600
think time (sec)	3-5

Test Summary

1 The smoke test shows that even with such load we have problems with several transactions.

Firstly, its Open Home Page transaction.

Then Open Admin Page transaction and Open First Post transaction.

Recommendation

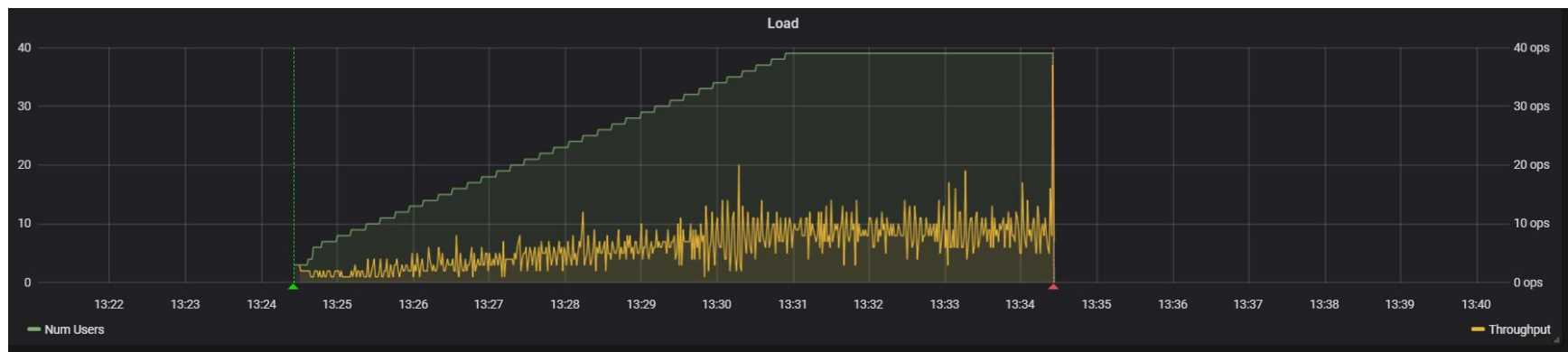
- 1 Possibility to increasing CPU power.
- 2 The admin page is used not so often however the main page is opened by all users.
- 3 Desktop Adapter Packets graph shows that on low load could be a memory leak.

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

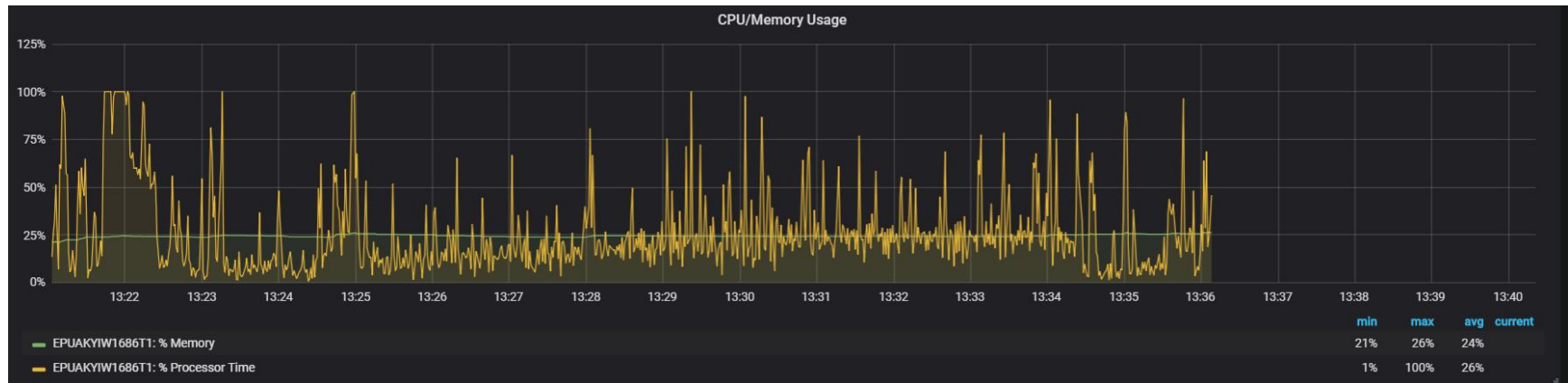
1 Statistics

Metrics Overview											
Time	requestName	Count	Avg	Min	Max	Median	75%	90%	95%	99%	Error Rate
2019-02-10 13:21:03	Add User transaction	13.00	26.54 ms	10.00 ms	91.00 ms	24.00 ms	30.00 ms	38.00 ms	38.00 ms	91.00 ms	0%
2019-02-10 13:21:03	Change Post transaction	22.00	689.95 ms	434.00 ms	1.25 s	554.50 ms	836.00 ms	1.16 s	1.16 s	1.25 s	0%
2019-02-10 13:21:03	Comment transaction	215.00	54.19 ms	30.00 ms	491.00 ms	46.00 ms	56.00 ms	65.00 ms	71.00 ms	303.00 ms	0%
2019-02-10 13:21:03	Delete User transaction	5.00	33.20 ms	12.00 ms	68.00 ms	24.00 ms	40.00 ms	68.00 ms	68.00 ms	68.00 ms	0%
2019-02-10 13:21:03	Go To Main Blog page transaction	39.00	64.59 ms	32.00 ms	262.00 ms	52.00 ms	65.00 ms	77.00 ms	171.00 ms	262.00 ms	0%
2019-02-10 13:21:03	Go to log in page transaction	39.00	17.18 ms	6.00 ms	181.00 ms	7.00 ms	9.00 ms	13.00 ms	21.00 ms	181.00 ms	0%
2019-02-10 13:21:03	Log in transaction	39.00	69.08 ms	40.00 ms	203.00 ms	61.00 ms	72.00 ms	92.00 ms	137.00 ms	203.00 ms	0%
2019-02-10 13:21:03	Open Admin Page transaction	20.00	151.75 ms	8.00 ms	2.78 s	9.00 ms	16.00 ms	28.00 ms	30.00 ms	2.78 s	0%
2019-02-10 13:21:03	Open First Post transaction	386.00	74.88 ms	26.00 ms	2.00 s	44.00 ms	59.00 ms	142.00 ms	176.00 ms	725.00 ms	0%
2019-02-10 13:21:03	Open Home Page transaction	1.39 K	76.38 ms	31.00 ms	4.55 s	49.00 ms	59.00 ms	71.00 ms	117.00 ms	649.00 ms	0%
2019-02-10 13:21:03	Open Predefined Date transaction	24.00	52.38 ms	31.00 ms	138.00 ms	44.50 ms	61.00 ms	81.00 ms	94.00 ms	138.00 ms	0%
2019-02-10 13:21:03	Open Random Page transaction	678.00	64.54 ms	32.00 ms	878.00 ms	49.00 ms	59.00 ms	73.00 ms	103.00 ms	476.00 ms	0%
2019-02-10 13:21:03	Open Random Post transaction	727.00	81.17 ms	30.00 ms	1.12 s	47.00 ms	63.00 ms	169.00 ms	216.00 ms	582.00 ms	0%
2019-02-10 13:21:03	Open Users Page transaction	20.00	49.35 ms	9.00 ms	449.00 ms	20.00 ms	25.00 ms	37.00 ms	183.00 ms	449.00 ms	0%

2 Number of active threads vs throughput graph



3 (CPU,Memory,Network) graphs



% Processor Time



EPUAKYIW1686T1: unsecapp

0% 0% 0%

EPUAKYIW1686T1: w3wp

0% 123% 19%

EPUAKYIW1686T1: wininit

0% 0% 0%

EPUAKYIW1686T1: winlogon

0% 1% 0%

EPUAKYIW1686T1: wuapihost

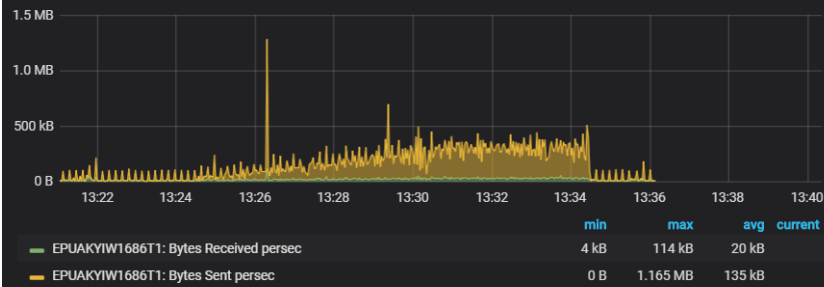
0% 0% 0%

Memory

Memory Usage



Intel[R] PRO_1000 MT Desktop Adapter Throughput



Intel[R] PRO_1000 MT Desktop Adapter Packets

