

Spis treści

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Testy wydajnościowe

Testy wydajnościowe przeprowadzane na aplikacji z aktualną ilością użytkowników: **0**

Celem jest oczekiwana optymalna wartość działania przy 50 użytkowników jednocześnie.

Testy będą przeprowadzane na grupie użytkowników którzy ścieżkę mają następującą:

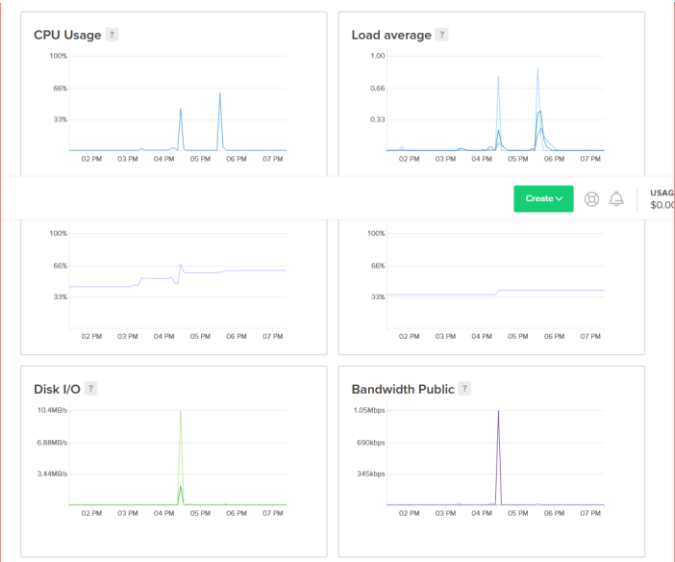
Zarejestrowanie użytkownika-> Logowanie użytkownika -> wylistowanie wszystkich eventów

Warunki zero:

```
root@ubuntu-a-hqps-jgh-fact-01-1578072488067-a-hqps-jgh-fact-01:~# top -b -n 1
top - 19:48:13 up 0:10, 2 users, load average: 0.04, 0.01, 0.00
Tasks: 98 total, 1 running, 41 sleeping, 0 stopped, 0 zombie
Cpu(s): 0.3 nr, 0.3 sy, 0.0 id, 99.3 ls, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
Mem Mem : 1009172 total, 69496 free, 455412 used, 484264 buff/cache
Mem Swap: 0 total, 0 free, 0 used, 405516 avail Mem

  PID USER      PR  NI    TST      CPU     MEM      S  %CPU    %MEM     TIME+ COMMAND
 1442 root      20   0   159792  8760  6448 S   0.0    0.6   0:02.14 systemd
 2 root      20   0   0 0 0 0 0 0 0 0 0:00.00 kthreadd
 4 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 kworker/0:0H
 6 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 mm_percpu_wq
 7 root      20   0   0 0 0 0 0 0 0 0 0:00.00 ksoftirqd/0
 8 root      20   0   0 0 0 0 0 0 0 0 0:01.45 rcu_sched
 9 root      20   0   0 0 0 0 0 0 0 0 0:00.00 rcu_bh
10 root      rt   0   0 0 0 0 0 0 0 0 0:00.00 migration/0
11 root      rt   0   0 0 0 0 0 0 0 0 0:00.09 watchdog/0
12 root      20   0   0 0 0 0 0 0 0 0 0:00.01 kswapd0
13 root      20   0   0 0 0 0 0 0 0 0 0:00.00 kdevtmpfs
14 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 netns
15 root      20   0   0 0 0 0 0 0 0 0 0:00.00 rcu_tasks_khaz
16 root      20   0   0 0 0 0 0 0 0 0 0:00.00 kauditd
17 root      20   0   0 0 0 0 0 0 0 0 0:00.00 kthreadd
18 root      20   0   0 0 0 0 0 0 0 0 0:00.00 ksm_reaper
19 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 writeback
20 root      20   0   0 0 0 0 0 0 0 0 0:00.00 ksmpaged
21 root      25   5   0 0 0 0 0 0 0 0 0:00.00 ksm
22 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 ksmpaged
23 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 crypto
24 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 kintegrityd
25 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 khubd
26 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 ata_sff
27 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 md
28 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 edac-poller
29 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 devfreq_wq
30 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 watchdog
34 root      20   0   0 0 0 0 0 0 0 0 0:01.46 kswapd0
35 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 kworker/0:0
36 root      20   0   0 0 0 0 0 0 0 0 0:00.00 kcryptd-kthrea
78 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 kthrotld
79 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 napi_thermal_pm
80 root      20   0   0 0 0 0 0 0 0 0 0:00.00 acpi_ch_0
81 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 acpi_tmz_0
82 root      20   0   0 0 0 0 0 0 0 0 0:00.00 acpi_ch_1
83 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 acpi_tmz_1
89 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 ksysfsd
98 root      0 -20  0 0 0 0 0 0 0 0 0:00.00 kstip
```

Z komentarzem [PK1]: Komenda Top z linuxa



Z komentarzem [PK2]: No comment you see what you see

Testy obciążeniowe

```
root@ubuntu-s-1vcpu-1gb-fra1-01-1578072488067-s-1vcpu-1gb-fra1-01: ~
top - 19:55:19 up 8:39, 2 users, load average: 0.23, 0.11, 0.04
Tasks: 98 total, 3 running, 60 sleeping, 0 stopped, 0 zombie
%Cpu(s): 91.7 us, 7.7 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.7 si, 0.0 st
KiB Mem : 1009172 total, 65580 free, 450416 used, 485176 buff/cache
KiB Swap: 0 total, 0 free, 0 used, 402568 avail Mem

  PID USER      PR  NI   VIRT   RES    SHR S  %CPU  %MEM    TIME+  COMMAND
 4731 root        20   0  95744  28852  8492 R  97.7   2.9   6:03.81 php
 4372 do-agent  20   0 1163316 233608 11216 S  1.3 23.1   0:17.13 mysqld
      8 root         0   0        0     0      0 R   0.3   0.0   0:01.55 rcu_sched
    1 root        20   0 159792   8760  6448 S  0.0   0.9   0:02.24 systemd
    2 root        20   0        0     0      0 S  0.0   0.0   0:00.00 kthreadd
    4 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kworker/0:0H
    6 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 mm_percpu_wq
    7 root        20   0        0     0      0 S  0.0   0.0   0:00.86 ksoftirqd/0
    9 root        20   0        0     0      0 I  0.0   0.0   0:00.00 rcu_bh
   10 root        rt    0        0     0      0 S  0.0   0.0   0:00.00 migration/0
   11 root        rt    0        0     0      0 S  0.0   0.0   0:00.09 watchdog/0
   12 root        20   0        0     0      0 S  0.0   0.0   0:00.01 cpuhp/0
   13 root        20   0        0     0      0 S  0.0   0.0   0:00.00 kdevtmpfs
   14 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 netns
   15 root        20   0        0     0      0 S  0.0   0.0   0:00.00 rcu_tasks_kthre
   16 root        20   0        0     0      0 S  0.0   0.0   0:00.00 kauditd
   17 root        20   0        0     0      0 S  0.0   0.0   0:00.01 khungtaskd
   18 root        20   0        0     0      0 S  0.0   0.0   0:00.00 oom_reaper
   19 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 writeback
   20 root        20   0        0     0      0 S  0.0   0.0   0:00.00 kcompactd0
   21 root        25   5        0     0      0 S  0.0   0.0   0:00.00 ksm
   22 root        39  19        0     0      0 S  0.0   0.0   0:00.00 khugepaged
   23 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 crypto
   24 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kintegrityd
   25 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kblockd
   26 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ata_sff
   27 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 md
   28 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 edac-poller
   29 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 devfreq_wq
   30 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 watchdogd
   34 root        20   0        0     0      0 S  0.0   0.0   0:01.46 kswapd0
   35 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kworker/u3:0
   36 root        20   0        0     0      0 S  0.0   0.0   0:00.00 ecryptfs-kthrea
   78 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kthrotld
   79 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 acpi_thermal_pm
   80 root        20   0        0     0      0 S  0.0   0.0   0:00.00 scsi_eh_0
   81 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 scsi_tmf_0
   82 root        20   0        0     0      0 S  0.0   0.0   0:00.00 scsi_eh_1
   83 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 scsi_tmf_1
   89 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ipv6_addrconf
   98 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 kstrp
  115 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 charger_manager
  164 root        20   0        0     0      0 S  0.0   0.0   0:00.00 scsi_eh_2
  165 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 scsi_tmf_2
  166 root        0 -20    0     0      0 I  0.0   0.0   0:00.19 kworker/0:1H
  278 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 raid5wq
  331 root        20   0        0     0      0 S  0.0   0.0   0:00.30 jbd2/vdal-8
  332 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ext4-rsv-conver
  407 root        19 -1  78572 10448  9620 S  0.0   1.0   0:00.53 systemd-journal
  414 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 iscsi_eh
  420 root        20   0  97708  1684  1504 S  0.0   0.2   0:00.00 lvmstatd
  430 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ib-comp-wq
  431 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ib-comp-unb-wq
  432 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ib_mcast
  433 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 ib_nl_sa_wq
  438 root        0 -20    0     0      0 I  0.0   0.0   0:00.00 rdma_cm
  546 systemd+  20   0 141928  2900  2376 S  0.0   0.3   0:00.11 systemd-timesyn
  647 systemd+  20   0  71976  5476  4744 S  0.0   0.5   0:00.10 systemd-network
  664 systemd+  20   0  70632  4880  4320 S  0.0   0.5   0:00.27 systemd-resolve
  734 root        20   0  43036  3496  2664 S  0.0   0.3   0:01.01 systemd-udevmon
  815 root        20   0 287984  5736  4924 S  0.0   0.6   0:00.52 accounts-daemon
  816 daemon      20   0  28332  2156  1944 S  0.0   0.2   0:00.00 atd
```

Z komentarzem [PK3]: Przy rozpoczęciu pomiaru

```

root@ubuntu-s-1vcpu-1gb-fra1-01-1578072488067-s-1vcpu-1gb-fra1-01: ~
top - 19:55:34 up 8:39, 2 users, load average: 0.47, 0.17, 0.06
Tasks: 98 total, 1 running, 61 sleeping, 0 stopped, 0 zombie
%Cpu(s): 72.3 us, 12.3 sy, 0.0 ni, 13.7 id, 0.0 wa, 0.0 hi, 1.7 si, 0.0 st
KiB Mem : 1009172 total, 65240 free, 458500 used, 485432 buff/cache
KiB Swap: 0 total, 0 free, 0 used. 402484 avail Mem


```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
4731	root	20	0	97084	30104	8492	S	78.8	3.0	6:17.66	php
4372	do-agent	20	0	1163316	233608	11216	S	6.3	23.1	0:17.77	mysqld
8	root	20	0	0	0	0	I	0.3	0.0	0:01.59	rcu_sched
852	root	20	0	685824	32144	15720	S	0.3	3.2	0:14.03	containerd
4346	root	20	0	9336	2932	2308	S	0.3	0.3	0:00.41	containerd-shim
6064	root	20	0	0	0	0	I	0.3	0.0	0:00.05	kworker/u2:l
6080	root	20	0	44648	3896	3308	R	0.3	0.4	0:01.20	top
1	root	20	0	159792	8760	6448	S	0.0	0.9	0:02.24	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
7	root	20	0	0	0	0	S	0.0	0.0	0:00.88	ksoftirqd/0
9	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_bh
10	root	rt	0	0	0	0	S	0.0	0.0	0:00.00	migration/0
11	root	rt	0	0	0	0	S	0.0	0.0	0:00.09	watchdog/0
12	root	20	0	0	0	0	S	0.0	0.0	0:00.01	cpuhp/0
13	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
14	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
15	root	20	0	0	0	0	S	0.0	0.0	0:00.00	rcu_tasks_kthre
16	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kauditd
17	root	20	0	0	0	0	S	0.0	0.0	0:00.01	khungtaskd
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
19	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
20	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kcompactd0
21	root	25	5	0	0	0	S	0.0	0.0	0:00.00	kamd
22	root	39	19	0	0	0	S	0.0	0.0	0:00.00	khugepaged
23	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	crypto
24	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
25	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kblockd
26	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
27	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	md
28	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	edac-poller
29	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	devfreq_wq
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	watchdogd
34	root	20	0	0	0	0	S	0.0	0.0	0:01.46	kwapd0
35	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/u3:0
36	root	20	0	0	0	0	S	0.0	0.0	0:00.00	ecryptfs-kthrea
78	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kthrotld
79	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	acpi_thermal_pm
80	root	20	0	0	0	0	S	0.0	0.0	0:00.00	scsi_ch_0
81	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	scsi_tm_f_0
82	root	20	0	0	0	0	S	0.0	0.0	0:00.00	scsi_ch_1
83	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	scsi_tm_f_1
89	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ipv6_addrconf
98	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kstip
115	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	charger_manager
164	root	20	0	0	0	0	S	0.0	0.0	0:00.00	scsi_ch_2
165	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	scsi_tm_f_2
166	root	0	-20	0	0	0	I	0.0	0.0	0:00.19	kworker/0:1H
278	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	raid5wq
331	root	20	0	0	0	0	S	0.0	0.0	0:00.30	jbd2/vdal-8
332	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ext4-rsv-conver
407	root	19	-1	78572	10452	9624	S	0.0	1.0	0:00.53	systemd-journal
414	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	iscsi_ah
420	root	20	0	97708	1684	1504	S	0.0	0.2	0:00.00	lvmetad
430	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ib-comp-wq
431	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ib-comp-unb-wq
432	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ib_mcast
433	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ib_nl_sa_wq
438	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rdma_cm
546	systemd+	20	0	141928	2900	2376	S	0.0	0.3	0:00.11	systemd-timesyn
647	systemd+	20	0	71976	5476	4744	S	0.0	0.5	0:00.10	systemd-network

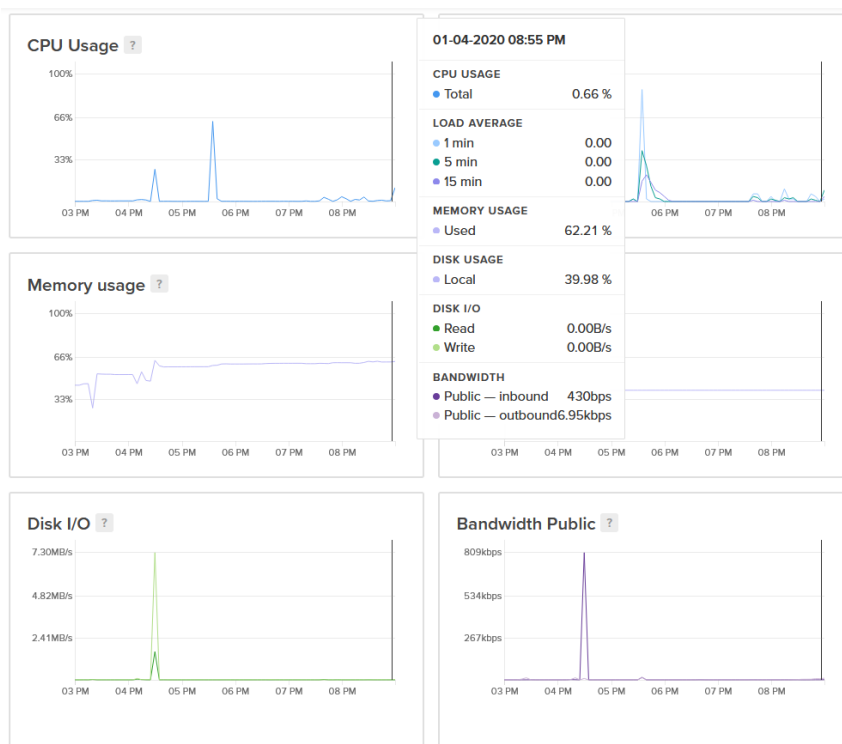
```


```

Label	# Samples	Average	Min	Max	Std Dev	Entropy	Throughput	Received KiloBec	Sent KiloBec	Avg Bytes
Network	50	5781	307	11253	1228.16	4.1944	1.79	1.79	1814	1814
Login	50	7957	3688	11257	1228.50	8.9006	1.64	1.64	1714	1714
Database	50	9794	380	11287	2419.09	8.9006	0.98	0.98	1038	1038
TOTAL	150	9794	380	11287	2419.09	8.9006	0.98	0.98	1038	1038



Z komentarzem [PK6]: Aggregate graph podobnie jak w Summary report tylko masz jeszcze grafa i inne mierzone opcje



Testowanie warunków skrajnych

root@ubuntu-s-lvcpu-1gb-fra1-01-1578072488067-s-lvcpu-1gb-fra1-01: ~										
top - 20:01:44 up 8:45, 2 users, load average: 0.28, 0.11, 0.05										
Tasks: 98 total, 3 running, 60 sleeping, 0 stopped, 0 zombie										
%Cpu(s): 89.1 us, 9.9 sy, 0.0 ni, 0.0 id, 0.3 wa, 0.0 hi, 0.7 si, 0.0 st										
KiB Mem : 1009172 total, 70232 free, 462224 used, 476716 buff/cache										
KiB Swap: 0 total, 0 free, 0 used, 398836 avail Mem										
PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+ COMMAND
4731	root	20	0	97092	30908	8492	R	97.4	3.1	6:39.12 php
4372	do-agent	20	0	1163316	233608	11216	S	1.0	23.1	0:18.44 mysqld
7	root	20	0	0	0	0	S	0.3	0.0	0:00.92 ksoftirqd/0
8	root	20	0	0	0	0	R	0.3	0.0	0:01.66 rcu_sched
1942	root	20	0	803300	76124	38628	S	0.3	7.5	0:42.76 dockerd
6007	root	20	0	0	0	0	I	0.3	0.0	0:00.13 kworker/u2:0
1	root	20	0	159792	8760	6448	S	0.0	0.9	0:02.24 systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00 kthreadd
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 kworker/0:0H
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 mm_percpu_wq
9	root	20	0	0	0	0	I	0.0	0.0	0:00.00 rcu_bh
10	root	rt	0	0	0	0	S	0.0	0.0	0:00.00 migration/0
11	root	rt	0	0	0	0	S	0.0	0.0	0:00.09 watchdog/0
12	root	20	0	0	0	0	S	0.0	0.0	0:00.01 cpuhp/0
13	root	20	0	0	0	0	S	0.0	0.0	0:00.00 kdevtmpfs
14	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 netns
15	root	20	0	0	0	0	S	0.0	0.0	0:00.00 rcu_tasks_kthre
16	root	20	0	0	0	0	S	0.0	0.0	0:00.00 kauditd
17	root	20	0	0	0	0	S	0.0	0.0	0:00.01 khungtaskd
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00 oom_reaper
19	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 writeback
20	root	20	0	0	0	0	S	0.0	0.0	0:00.00 kcompactd0
21	root	25	5	0	0	0	S	0.0	0.0	0:00.00 ksm
22	root	39	19	0	0	0	S	0.0	0.0	0:00.00 khugepaged
23	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 crypto
24	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 kintegrityd
25	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 khblockd
26	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ata_sff
27	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 md
28	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 edac-poller
29	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 devfreq_wq
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 watchdogd
34	root	20	0	0	0	0	S	0.0	0.0	0:01.47 kswapd0
35	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 kworker/u3:0
36	root	20	0	0	0	0	S	0.0	0.0	0:00.00 ecryptfs-kthrea
78	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 kthrotld
79	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 acpi_thermal_pm
80	root	20	0	0	0	0	S	0.0	0.0	0:00.00 scsi_eh_0
81	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 scsi_tmf_0
82	root	20	0	0	0	0	S	0.0	0.0	0:00.00 scsi_eh_1
83	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 scsi_tmf_1
89	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ipv6_addrconf
98	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 kstrp
115	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 charger_manager
164	root	20	0	0	0	0	S	0.0	0.0	0:00.00 scsi_eh_2
165	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 scsi_tmf_2
166	root	0	-20	0	0	0	I	0.0	0.0	0:00.20 kworker/0:1H
278	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 raid5wq
331	root	20	0	0	0	0	S	0.0	0.0	0:00.31 jbd2/vdal-8
332	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ext4-rsv-conver
407	root	19	-1	78572	10452	9624	S	0.0	1.0	0:00.53 systemd-journal
414	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 iscsi_eh
420	root	20	0	97708	1684	1504	S	0.0	0.2	0:00.00 lvmetad
430	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ib-comp-wq
431	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ib-comp-unb-wq
432	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ib_mcast
433	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 ib_nl_sa_wq
438	root	0	-20	0	0	0	I	0.0	0.0	0:00.00 rdma_cm
546	systemd+	20	0	141928	2900	2376	S	0.0	0.3	0:00.11 systemd-timesyn
647	systemd+	20	0	71976	5476	4744	S	0.0	0.5	0:00.10 systemd-network
664	systemd+	20	0	70632	4880	4320	S	0.0	0.5	0:00.27 systemd-resolve
784	root	20	0	43036	3496	2664	S	0.0	0.3	0:01.01 systemd-udev

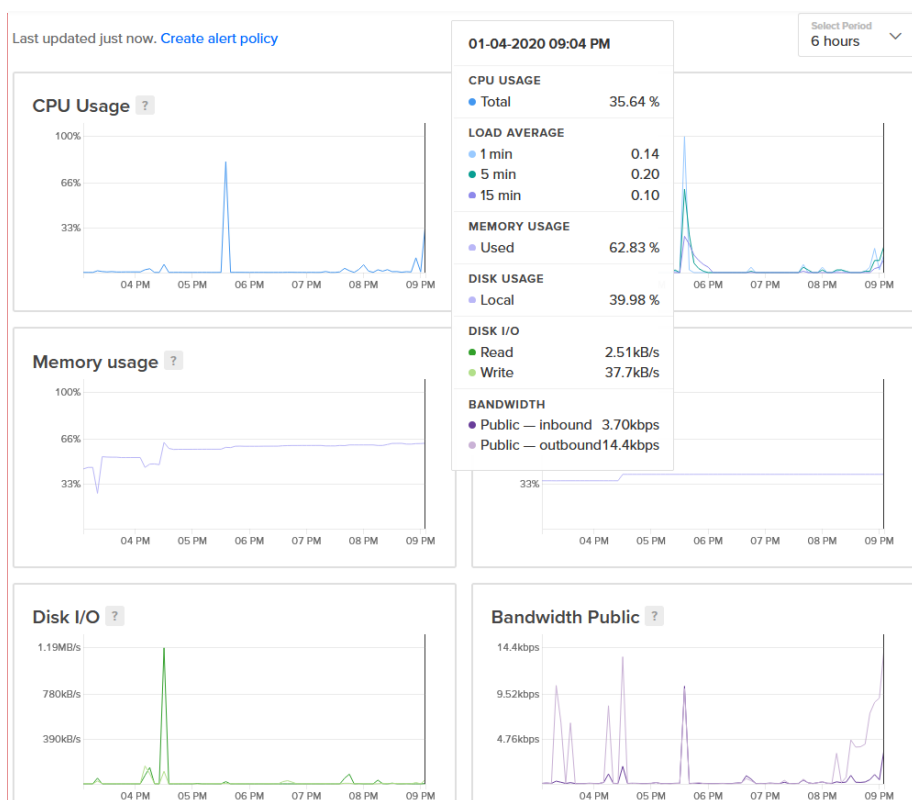
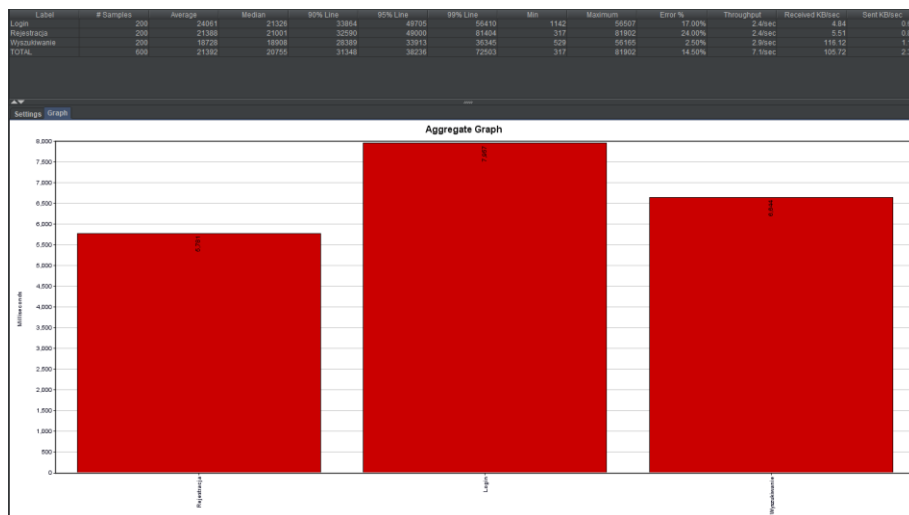
Z komentarzem [PK7]: rozpoczęcie

```
root@ubuntu-s-1vcpu-1gb-fra1-01-1578072488067-s-1vcpu-1gb-fra1-01: ~
top - 20:02:02 up 8:45, 2 users, load average: 0.49, 0.16, 0.07
Tasks: 98 total, 2 running, 60 sleeping, 0 stopped, 0 zombie
%Cpu(s): 84.4 us, 15.6 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
KiB Mem : 1009172 total, 74640 free, 457148 used, 477384 buff/cache
KiB Swap: 0 total, 0 free, 0 used. 403908 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+ COMMAND
 4731 root        20   0   90944   24852   8492 R   98.3   2.5   6:56.82 php
 4372 do-agent   20   0 1163316 233608 11216 S   1.0 23.1   0:18.64 mysqld
    8 root        20   0      0      0      0 I   0.3   0.0   0:01.71 rcu_sched
 4346 root        20   0   9336    2964   2308 S   0.3   0.3   0:00.42 containerd-shim
 6080 root        20   0   44648   3896   3308 R   0.3   0.4   0:01.87 top
    1 root        20   0 159792    8760   6448 S   0.0   0.9   0:02.24 systemd
    2 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kthreadd
    4 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H
    6 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 mm_percpu_wq
    7 root        20   0      0      0      0 S   0.0   0.0   0:00.94 ksoftirqd/0
    9 root        20   0      0      0      0 I   0.0   0.0   0:00.00 rcu_bh
   10 root        rt   0      0      0      0 S   0.0   0.0   0:00.00 migration/0
   11 root        rt   0      0      0      0 S   0.0   0.0   0:00.09 watchdog/0
   12 root        20   0      0      0      0 S   0.0   0.0   0:00.01 cpuhp/0
   13 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
   14 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 netns
   15 root        20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_tasks_kthre
   16 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kauditd
   17 root        20   0      0      0      0 S   0.0   0.0   0:00.01 khungtaskd
   18 root        20   0      0      0      0 S   0.0   0.0   0:00.00 oom_reaper
   19 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 writeback
   20 root        20   0      0      0      0 S   0.0   0.0   0:00.00 kcompactd0
   21 root        25   5      0      0      0 S   0.0   0.0   0:00.00 ksmd
   22 root        39  19      0      0      0 S   0.0   0.0   0:00.00 khugepaged
   23 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 crypto
   24 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kintegrityd
   25 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kblockd
   26 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ata_sff
   27 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 md
   28 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 edac-poller
   29 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 devfreq_wq
   30 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 watchdogd
   34 root        20   0      0      0      0 S   0.0   0.0   0:01.47 kswapd0
   35 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kworker/u3:0
   36 root        20   0      0      0      0 S   0.0   0.0   0:00.00 ecryptfs-kthrea
   78 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kthrotld
   79 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 acpi_thermal_pm
   80 root        20   0      0      0      0 S   0.0   0.0   0:00.00 scsi_eh_0
   81 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 scsi_tmf_0
   82 root        20   0      0      0      0 S   0.0   0.0   0:00.00 scsi_eh_1
   83 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 scsi_tmf_1
   89 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ipv6_addrconf
   90 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 kstip
  115 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 charger_manager
  164 root        20   0      0      0      0 S   0.0   0.0   0:00.00 scsi_eh_2
  165 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 scsi_tmf_2
  166 root        0 -20      0      0      0 I   0.0   0.0   0:00.20 kworker/0:1H
  278 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 raid5wq
  331 root        20   0      0      0      0 S   0.0   0.0   0:00.31 jbd2/vdal-8
  332 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ext4-rsv-conver
  407 root        19 -1    78572 10452   9624 S   0.0   1.0   0:00.53 systemd-journal
  414 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 iscsi_eh
  420 root        20   0   97708   1684   1504 S   0.0   0.2   0:00.00 lvmetad
  430 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ib-comp-wq
  431 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ib-comp-unb-wq
  432 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ib_mcast
  433 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 ib_nl_sa_wq
  438 root        0 -20      0      0      0 I   0.0   0.0   0:00.00 rdma_cm
  546 systemd+    20   0 141928   2900   2376 S   0.0   0.3   0:00.11 systemd-timesyn
  647 systemd+    20   0 71976    5476   4744 S   0.0   0.5   0:00.10 systemd-network
  664 systemd+    20   0 70632    4880   4320 S   0.0   0.5   0:00.27 systemd-resolve
  784 root        20   0   43036   3496   2664 S   0.0   0.3   0:01.01 systemd-udev
```

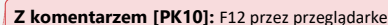
Z komentarzem [PK8]: podczas pomiaru

Label	# Samples	Average	Min	Max	Std Dev	Error %	Throughput	Received KBits/s	Sent KBits/s	Avg Bytes
Repetitions	200	21388	317	81902	15875.72	34.00%	2.48Kb/s	5.51	0.80	2338.1
Login	200	24081	1142	56557	9875.97	17.00%	2.48Kb/s	4.84	0.69	2073.7
Watchdog	200	15728	229	51165	8135.35	2.50%	2.39Kb/s	135.12	1.55	41511.5
TOTAL	600	21392	317	81902	15811.88	14.00%	7.15Kb/s	165.72	2.37	15507.6



Z komentarzem [PK9]: No comment you see what you see

Czas trwania 30 min.

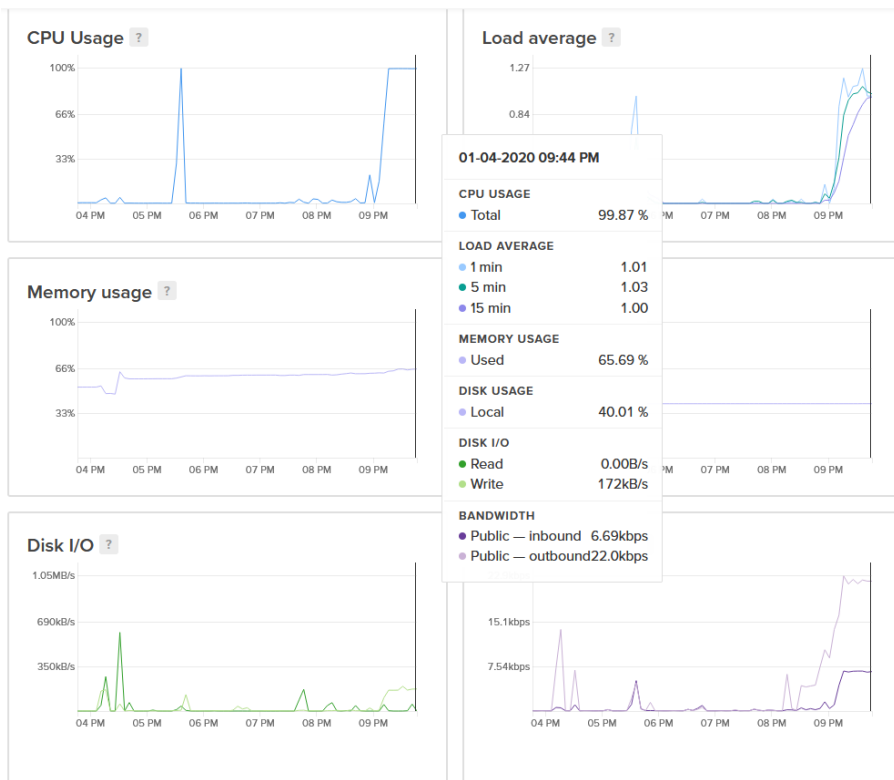
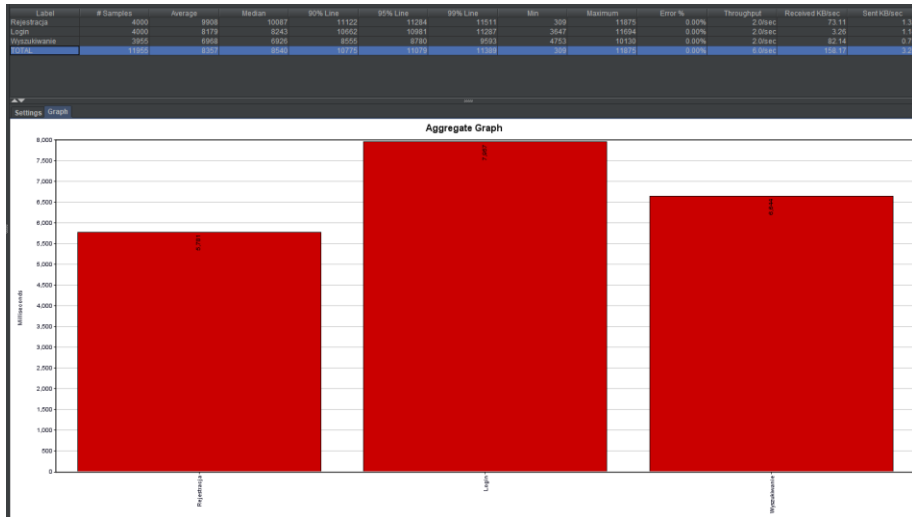


```
root@ubuntu-s-1vcpu-1gb-fra1-01-1578072488067-s-1vcpu-1gb-fra1-01: ~
top - 20:40:22 up 9:24, 2 users, load average: 1.02, 1.05, 0.98
Tasks: 100 total, 2 running, 60 sleeping, 0 stopped, 0 zombie
%Cpu(s): 85.8 us, 12.6 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 1.7 si, 0.0 st
KiB Mem : 1009172 total, 76088 free, 463996 used, 469088 buff/cache
KiB Swap: 0 total, 0 free, 0 used. 397152 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR S %CPU  %MEM    TIME+  COMMAND
 4731 root        20   0  97084 30732 8312 R 94.0   3.0 38:32.19 php
4372 do-agent  20   0 1163844 234660 11216 S  4.6 23.3 1:21.33 mysqld
   8 root        20   0   0      0      0 I  0.3   0.0 0:07.39 rcu_sched
   1 root        20   0 159792 8440 6128 S  0.0  0.8 0:02.26 systemd
   2 root        20   0   0      0      0 S  0.0   0.0 0:00.00 kthreadd
   4 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kworker/0:0H
   6 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 mm_percpu_wq
   7 root        20   0   0      0      0 S  0.0   0.0 0:03.78 ksoftirqd/0
   9 root        20   0   0      0      0 I  0.0   0.0 0:00.00 rcu_bh
  10 root        rt   0   0      0      0 S  0.0   0.0 0:00.00 migration/0
  11 root        rt   0   0      0      0 S  0.0   0.0 0:00.10 watchdog/0
  12 root        20   0   0      0      0 S  0.0   0.0 0:00.01 cpuhp/0
  13 root        20   0   0      0      0 S  0.0   0.0 0:00.00 kdevtmpfs
  14 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 netns
  15 root        20   0   0      0      0 S  0.0   0.0 0:00.00 rcu_tasks_kthre
  16 root        20   0   0      0      0 S  0.0   0.0 0:00.00 kauditd
  17 root        20   0   0      0      0 S  0.0   0.0 0:00.01 khungtaskd
  18 root        20   0   0      0      0 S  0.0   0.0 0:00.00 oom_reaper
  19 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 writeback
  20 root        20   0   0      0      0 S  0.0   0.0 0:00.00 kcompactd0
  21 root        25   5   0      0      0 S  0.0   0.0 0:00.00 ksmd
  22 root        39  19   0      0      0 S  0.0   0.0 0:00.00 khugepaged
  23 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 crypto
  24 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kintegrityd
  25 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kblockd
  26 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 ata_sff
  27 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 md
  28 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 edac-poller
  29 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 devfreq_wq
  30 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 watchdogd
  34 root        20   0   0      0      0 S  0.0   0.0 0:01.52 kswapd0
  35 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kworker/u3:0
  36 root        20   0   0      0      0 S  0.0   0.0 0:00.00 ecryptfs-kthrea
  78 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kthrotld
  79 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 acpi_thermal_pm
  80 root        20   0   0      0      0 S  0.0   0.0 0:00.00 scsi_ch_0
  81 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 scsi_tmf_0
  82 root        20   0   0      0      0 S  0.0   0.0 0:00.00 scsi_ch_1
  83 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 scsi_tmf_1
  89 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 ipv6_addrconf
  98 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 kstip
 115 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 charger_manager
 164 root        20   0   0      0      0 S  0.0   0.0 0:00.00 scsi_ch_2
 165 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 scsi_tmf_2
 166 root        0 -20   0      0      0 I  0.0   0.0 0:00.28 kworker/0:1H
 278 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 raid5wq
 331 root        20   0   0      0      0 S  0.0   0.0 0:00.84 jbd2/vdal-8
 332 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 ext4-rsv-conver
 407 root        19  -1 78572 10508 9664 S  0.0  1.0 0:00.55 systemd-journal
 414 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 iscsi_ah
 420 root        20   0 97708 1684 1504 S  0.0  0.2 0:00.00 lvmstatd
 430 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 lb-comp-wq
 431 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 lb-comp-unb-wq
 432 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 lb_mcast
 433 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 lb_nl_sa_wq
 438 root        0 -20   0      0      0 I  0.0   0.0 0:00.00 rdma_cm
 546 systemd+  20   0 141928 2900 2376 S  0.0  0.3 0:00.12 systemd-timesyn
 647 systemd+  20   0 71976 5400 4668 S  0.0  0.5 0:00.11 systemd-network
 664 systemd+  20   0 70632 4876 4316 S  0.0  0.5 0:00.28 systemd-resolve
 734 root        20   0 43036 3476 2644 S  0.0  0.3 0:01.04 systemd-udevld
 815 root        20   0 287984 4648 3836 S  0.0  0.5 0:00.55 accounts-daemon
 816 daemon     20   0 28332 2156 1944 S  0.0  0.2 0:00.00 atd
```

Label	# Samples	Average	Min	Max	Std Dev	Error %	Throughput	Received KBits/sec	Sent KBits/sec	Avg Bytes
RestApi	3999	8909	309	11979	1203.24	0.00%	2.09Kc	72.07	1.32	37348.5
Login	3999	8193	3647	11984	1889.82	0.00%	2.09Kc	1.26	1.14	1672.1
MySQLQuery	3994	8972	4753	18139	1285.71	0.00%	2.09Kc	82.09	0.78	42680.6
TOTAL	11994	8360	309	11979	1000.36	0.00%	6.09Kc	158.07	3.23	27106.5

Z komentarzem [PK11]: 10 sekund od zakończenia pomiaru



Testy Spike

Podczas obciążenia stałego 50 użytkowników, pik 50 użytkowników

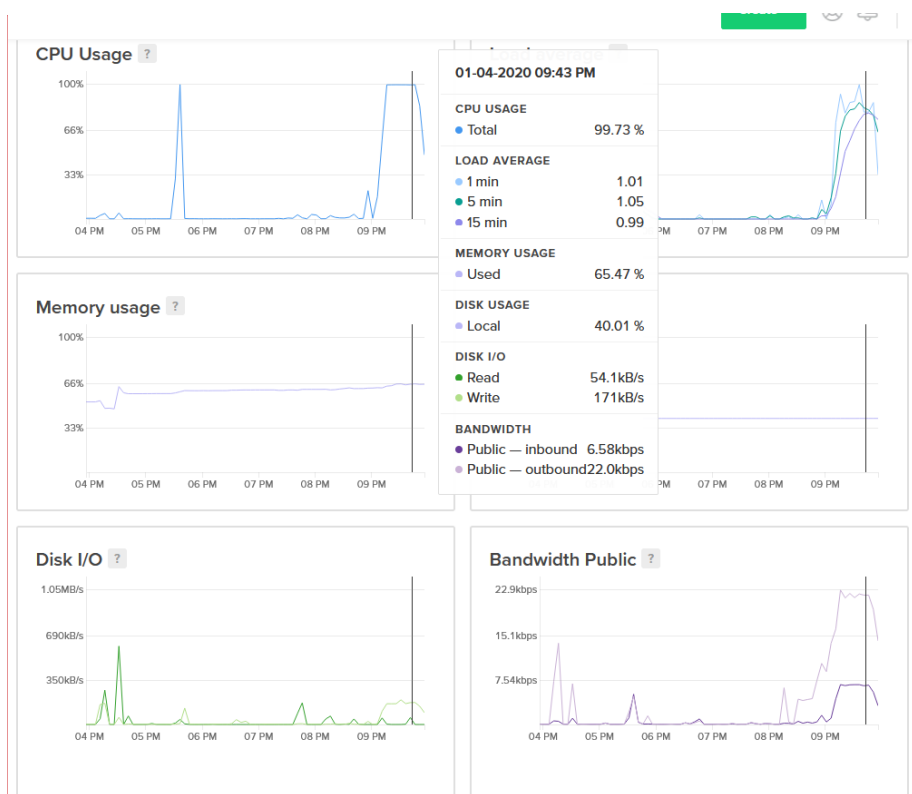
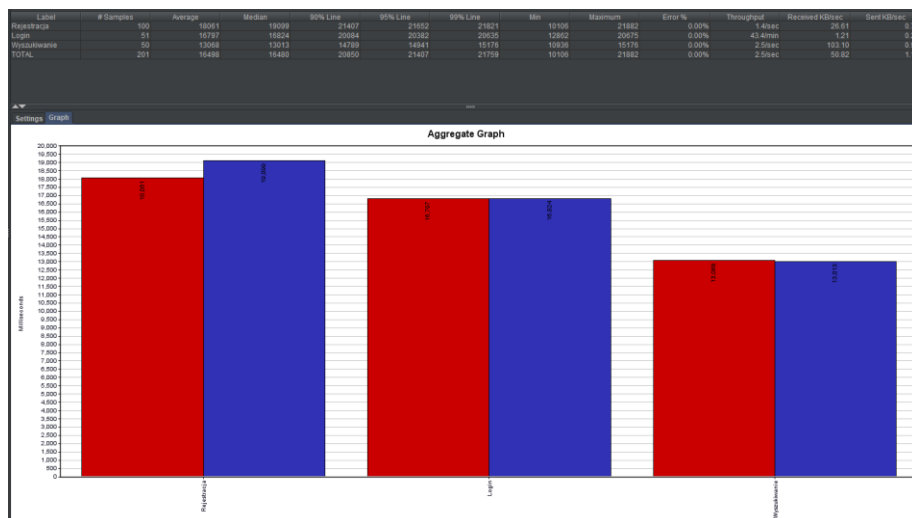
```
root@ubuntu-s-1vcpu-1gb-fra1-01-1578072488067-s-1vcpu-1gb-fra1-01: ~
top - 20:52:16 up 9:36, 2 users, load average: 1.07, 1.00, 1.00
Tasks: 98 total, 3 running, 60 sleeping, 0 stopped, 0 zombie
%Cpu(s): 81.6 us, 16.4 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 2.0 si, 0.0 st
KiB Mem : 1009172 total, 69764 free, 464032 used, 475376 buff/cache
KiB Swap: 0 total, 0 free, 0 used, 397120 avail Mem

  PID USER      PR  NI  VIRT  RES  SHR S %CPU  %MEM    TIME+  COMMAND
 4731 root        20   0 97084 30732 8312 R 92.4   3.0   48:53.99 php
 4372 do-agent  20   0 1163844 234660 11216 S  6.3 23.3   1:40.23 mysqld
 6080 root        20   0 44648 3876 3056 R  0.7   0.4   0:06.73 top
    8 root        20   0 0 0 0 R  0.3   0.0   0:09.22 rcu_sched
 1942 root        20   0 803300 77024 38628 S  0.3   7.6   0:46.96 dockerd
    1 root        20   0 159792 8440 6128 S  0.0   0.8   0:02.27 systemd
    2 root        20   0 0 0 0 S  0.0   0.0   0:00.00 kthreadd
    4 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kworker/0:0H
    6 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 mm_percpu_wq
    7 root        20   0 0 0 0 S  0.0   0.0   0:04.61 ksoftirqd/0
    9 root        20   0 0 0 0 I  0.0   0.0   0:00.00 rcu_bh
   10 root        rt  0 0 0 0 0 S  0.0   0.0   0:00.00 migration/0
   11 root        rt  0 0 0 0 0 S  0.0   0.0   0:00.10 watchdog/0
   12 root        20   0 0 0 0 S  0.0   0.0   0:00.01 cpuhp/0
   13 root        20   0 0 0 0 S  0.0   0.0   0:00.00 kdevtmpfs
   14 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 netns
   15 root        20   0 0 0 0 S  0.0   0.0   0:00.00 rcu_tasks_kthre
   16 root        20   0 0 0 0 S  0.0   0.0   0:00.00 kauditd
   17 root        20   0 0 0 0 S  0.0   0.0   0:00.01 khungtaskd
   18 root        20   0 0 0 0 S  0.0   0.0   0:00.00 oom_reaper
   19 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 writeback
   20 root        20   0 0 0 0 S  0.0   0.0   0:00.00 kcompactd0
   21 root        25   5 0 0 0 S  0.0   0.0   0:00.00 ksm
   22 root        39  19 0 0 0 S  0.0   0.0   0:00.00 khugepaged
   23 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 crypto
   24 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kintegrityd
   25 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kblockd
   26 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ata_sff
   27 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 md
   28 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 edac-poller
   29 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 devfreq_wq
   30 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 watchdogd
   34 root        20   0 0 0 0 S  0.0   0.0   0:01.52 kswapd0
   35 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kworker/u3:0
   36 root        20   0 0 0 0 S  0.0   0.0   0:00.00 ecryptfs-kthrea
   78 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kthrotld
   79 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 acpi_thermal_pm
   80 root        20   0 0 0 0 S  0.0   0.0   0:00.00 scsi_eh_0
   81 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 scsi_tmf_0
   82 root        20   0 0 0 0 S  0.0   0.0   0:00.00 scsi_eh_1
   83 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 scsi_tmf_1
   89 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ipv6_addrconf
   98 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 kstrp
  115 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 charger_manager
  164 root        20   0 0 0 0 S  0.0   0.0   0:00.00 scsi_eh_2
  165 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 scsi_tmf_2
  166 root        0 -20 0 0 0 I  0.0   0.0   0:00.31 kworker/0:1H
  278 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 raid5wq
  331 root        20   0 0 0 0 S  0.0   0.0   0:01.00 jbd2/vdal-8
  332 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ext4-rsv-conver
  407 root        19 -1 78572 10508 9664 S  0.0   1.0   0:00.55 systemd-journal
  414 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 iscsi_eh
  420 root        20   0 97708 1684 1504 S  0.0   0.2   0:00.00 lvmetad
  430 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ib-comp-wq
  431 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ib-comp-unb-wq
  432 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ib_mcast
  433 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 ib_nl_sa_wq
  438 root        0 -20 0 0 0 I  0.0   0.0   0:00.00 rdma_cm
  546 systemd+  20   0 141928 2900 2376 S  0.0   0.3   0:00.12 systemd-timesyn
  647 systemd+  20   0 71976 5400 4668 S  0.0   0.5   0:00.11 systemd-network
  664 systemd+  20   0 70632 4876 4316 S  0.0   0.5   0:00.28 systemd-resolve
  734 root        20   0 43036 3476 2644 S  0.0   0.3   0:01.04 systemd-udev
```

Z komentarzem [PK12]: Podczas piku

Label	# Samples	Average	Min	Max	25000	Std Dev	Emp %	Throughput	Received KBits/s	Sent KBits/s	Avg. Ret
Pełnotętno	100	10001	10000	21002	120140	0.00%	0.00%	1.4K/s	25.41	0.75	10021.6
Użytkownicy	51	10797	10802	20975	237482	0.00%	0.00%	41.4K/s	1.21	0.25	1774.9
Wysokość	50	13086	10835	15176	128738	0.00%	0.00%	2.5K/s	103.90	0.88	42522.7
TOTAL	201	16489	10708	21002	337912	0.00%	0.00%	2.5K/s	59.82	1.15	20074.3

Z komentarzem [PK13]: Pamiętaj o ms



Z komentarzem [PK14]: Nie zmieniło się nic a użytkowników doszło i nie wyjechało im żadnych errorów :D