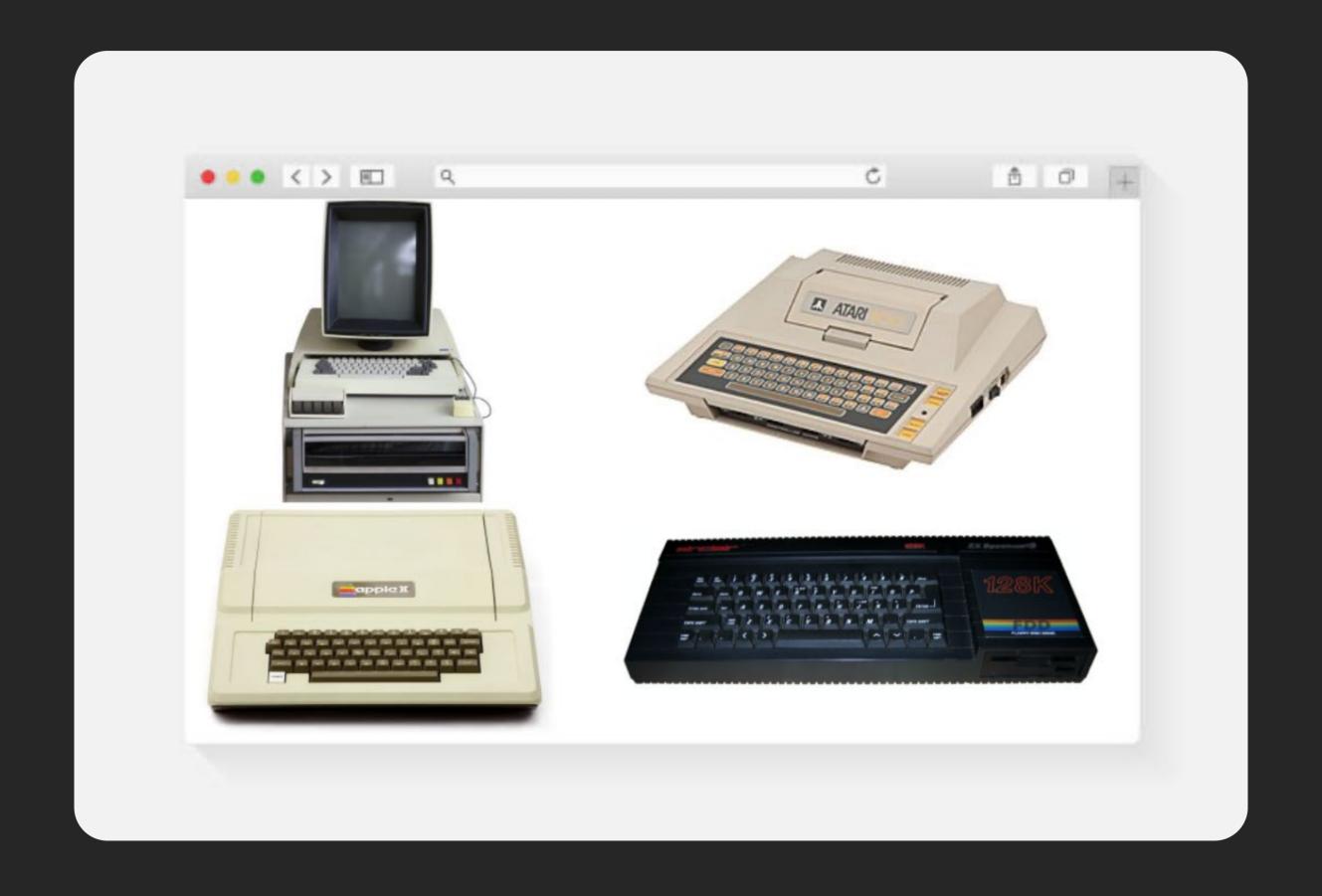
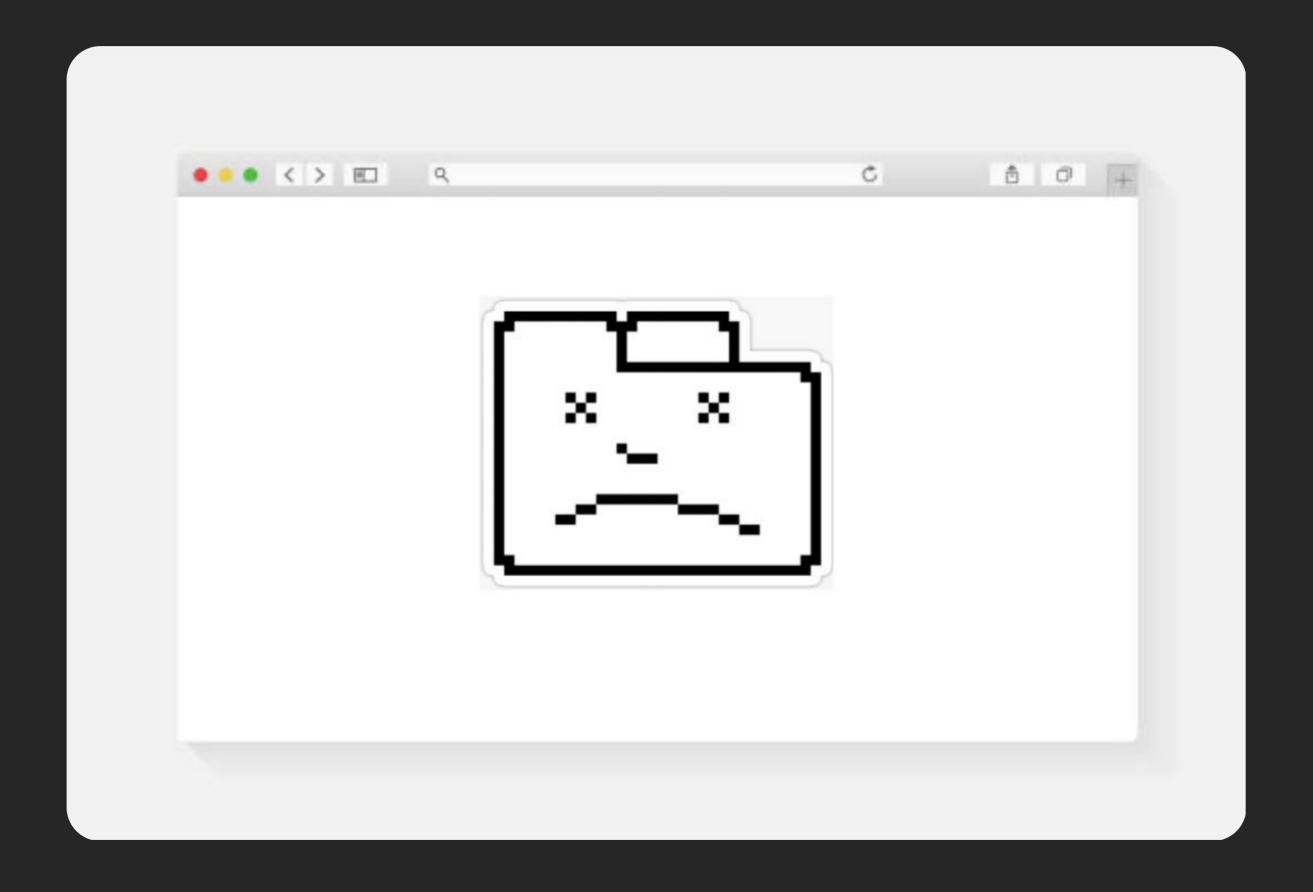
Основные концепции мониторинга





```
himanshugansh:-S dmesg --level-err,warn
     8.013401 ENERGY PERF BIAS: Set to 'mornal', was 'performance'
              EMERCY PERF BIAS: View and update with x86_energy_perf_policy(8)
     0.0000001 PCCT header not found.
    8:657470] (NULL device *): hwmon_device_register() is deprecated. Please co
nvert the driver to use humon_device_register_with_info().
    O. SEARCH TOTAL ATOP -
                                          2019/04/18 18:10:41
                                                                                                    10s elapsed
rol
                                      user 52.00s
                                                    #proc
                                                            821
                                                                                                 #exit
                                                                                                         49
                                                                                  #zombie
                      sys
                            _10.49s
                                                                    #tslpu
                                                                             0
     1.131516] ACP CPU
                              100%
                                                                    idle
                                                                         5770%
                                                                                                 curscal 63%
                       sys
                                      user
                                            521%
                                                             7%
                                                                                  wait
                                                                                           3%
                                                    irq
                              4.55
                       avg1
                                      avg5
                                            4.50
                                                    avg15
                                                           4.38
                                                                    CSW
                                                                         358652
                                                                                  intr 174387
                                                                                                 numcpu
                                                                                                         64
    1.131522] ACP MEM
                            503.7G
                                            59.0G
                                                                    buff
                                                                          4.6G
                                                                                  slab 27.9G
                       tot
                                      free
                                                    cache 348.8G
                                                                                                 hptot 0.0M
                                      free
                       tot
                             16.0G
                                            14.2G
                                                                                  vmcom 311.26
                                                                   write 4527
                                                                                  MBw/s 4.5 i
    1 132577] ACP LVM
                                                           1160
                                      busy
                                              6%
                                                    read
                                                                                               avio 0.10 ms |
                                                                        513
                                                                                     0 20:31 ?
                                                                                                        00:00:00 /usr/sbin/cron -f
                                                          root
                 DSK
                               sda
                                      busy
                                              6%
                                                    read
     1 117502] ACP DSK
                               sdb
                                      busy
                                              0%
                                                    read
                                                          root
                                                                        514
                                                                                  1 0 20:31 ?
                                                                                                        00:00:00 /usr/sbin/cupsd -l
                                10
                       rpc
                                      read
                                               Θ
                                                    write
                                                          root
                                                                        516
                                                                                     0 20:31 ?
                                                                                                        00:00:00 /usr/sbin/NetworkManager --n
   11.203319] ACP NET
                       transport
                                      tcpi
                                            38878
                                                    tcpo
                                                                        526
                                                                                  1 0 20:31 ?
                                                                                                        00:00:00 /usr/bin/python3 /usr/bin/ne
                                                          root
F conflicts with ONET
                       network
                                            39178
                                      ipi
                                                    ipo
1/uteddress-247)
                                                                        529
                                                                                  1 0 20:31 ?
                                                                                                        00:00:00 /usr/lib/policykit-1/polkitd
                 NET
                       em1
                                2%
                                      pcki
                                             5378
                                                    pcko
                                                          root
                  NET I
                       em2
                                0%
                                      pcki
                                              27
                                                    pcko
                                                          root
                                                                        534
                                                                                  1 0 20:31 ?
                                                                                                        00:00:00 /lib/systemd/systemd-logind
                                                                        538
                                                                                                        00:00:00 /usr/lib/udisks2/udisksd
                                                                                  1 0 20:31 ?
                                                          root
                  PID
                        TID MAJFLT VSTEXT VSLIBS VDATA VSTACK
                                                                                                        00:00:00 /sbin/wpa supplicant -u -s -
                                                                        539
                                                                                  1 0 20:31 ?
                                                     132K root
                  6155
                                0 23416K 4192K 282.6G
                                0 100K 4524K 8.3G
                 92836
                                                     132K
                                                                        657
                                                         root
                                                                                  1 0 20:32 ?
                                                                                                        00:00:00 /usr/sbin/cups-browsed
                 95661
                                   908K 3260K
                                              4.8G
                                                     132K
                                                                                                        00:00:00 /usr/bin/python3 /usr/share/
                                                          root
                                                                        664
                                                                                     0 20:32 ?
                                     4K 20584K
                  68755
                                              9.9G
                                                     132K
                                                                        672
                                                                                     0 20:32 ?
                                                                                                        00:00:00 /usr/sbin/lightdm
                                                          root
                 94757
                                                     132K
                                   544K 11780K 5.0G
                                                                                                        00:00:00 /usr/sbin/ModemManager --fil
                                                                        678
                                                                                  1 0 20:32 ?
                                                          root
                                                                                                        00:00:04 /usr/lib/xorg/Xorg -core :0
                                                                        753
                                                          root
                                                                                672 0 20:32 tty7
                                                                        756
                                                                                  1 0 20:32 tty1
                                                                                                        00:00:00 /sbin/agetty -o -p -- \u --n
                                                          root
                                                                                                        00:00:00 /usr/sbin/automount --pid-fi
                                                          root
                                                                        874
                                                                                  1 0 20:32 ?
                                                                                                        00:00:00 /usr/lib/upower/upowerd
                                                                       1212
                                                                                     0 20:34 ?
                                                          root
                                                                       1249
                                                                                     0 20:34 ?
                                                                                                        00:00:00 sendmail: MTA: accepting con
                                                          root
                                                                       1371
                                                                                672 0 20:40 ?
                                                                                                        00:00:00 lightdm --session-child 13 2
                                                          root
                                                                                                        00:00:00 [kworker/u2:2-events power e
                                                                       1377
                                                                                  2 0 20:40 ?
                                                          root
                                                                                                        00:00:00 [kworker/0:0-events]
                                                          root
                                                                       1390
                                                                                     0 20:40 ?
                                                          root
                                                                       2047
                                                                                  1 0 20:43 ?
                                                                                                        00:00:02 /usr/libexec/flatpak-system-
                                                                                                        00:00:00 [kworker/u2:1-events unbound
                                                                       2179
                                                                                  2 0 20:46 ?
                                                          root
                                                                                                        00:00:00 /usr/sbin/CRON -f
                                                                       2237
                                                                                513 0 20:51 ?
                                                          root
                                                          kbuzdar@kbuzdar-VirtualBox:~$
```



Мониторинг — это постоянный сбор и анализ различных параметров поведения системы. С его помощью можно описать и измерить в числовом выражении каждый важный аспект проекта.

