

**ОС
LAB-01
РУДН**

**Группа: НБИбд02-21
Студент:Межидов Хамзат Лечаевич**

1) Узнать версию ядра Linux

```
0.000000] Linux version 5.14.10-300.fc35.x86_64 (mockbuild@bkernel01.iad2.fedoraproject.org) (gcc (GCC) 11.2.1 20210728 (Red Hat 11.2.1-1), GNU ld version 2.37-10.fc35) #1 SMP Thu Oct 7 20:48:44 UTC 2021
0.000000] Command line: BOOT_IMAGE=vmlinuz initrd=initrd.img root=live:CDL4
```

2,3,4) Узнать частоту процессора , модель процессора и кол-во оперативной памяти

```
liveuser@localhost-live ~]$ dmesg | grep -i Processor
0.000008] tsc: Detected 2096.060 MHz processor
0.277543] smpboot: Total of 1 processors activated (4192.12 BogoMIPS)
0.374379] ACPI: Added _OSI(Processor Device)
0.374380] ACPI: Added _OSI(Processor Aggregator Device)
liveuser@localhost-live ~]$ dmesg | grep -i CPU 0
rep: 0: Нет такого файла или каталога
liveuser@localhost-live ~]$ dmesg | grep -i CPU0
0.165808] CPU0: Hyper-Threading is disabled
0.277398] smpboot: CPU0: AMD Ryzen 5 5500U with Radeon Graphics (family: 0x17, model: 0x68, stepping: 0x1)
liveuser@localhost-live ~]$ dmesg | grep -i memory
0.002564] ACPI: Reserving FACP table memory at [mem 0xdfff00f0-0xdfff01e3]
0.002565] ACPI: Reserving DSDT table memory at [mem 0xdfff0470-0xdfff2794]
0.002566] ACPI: Reserving FACS table memory at [mem 0xdfff0200-0xdfff023f]
0.002566] ACPI: Reserving FACS table memory at [mem 0xdfff0200-0xdfff023f]
0.002567] ACPI: Reserving APIC table memory at [mem 0xdfff0240-0xdfff0293]
0.002568] ACPI: Reserving SSDT table memory at [mem 0xdfff02a0-0xdfff046b]
0.047285] Early memory node ranges
0.062297] PM: hibernation: Registered nosave memory: [mem 0x00000000-0x00000fff]
0.062299] PM: hibernation: Registered nosave memory: [mem 0x0009f000-0x0009ffff]
0.062300] PM: hibernation: Registered nosave memory: [mem 0x000a0000-0x000aefff]
0.062301] PM: hibernation: Registered nosave memory: [mem 0x000f0000-0x000fffff]
0.062302] PM: hibernation: Registered nosave memory: [mem 0xdfff0000-0xdfff0fff]
0.062302] PM: hibernation: Registered nosave memory: [mem 0xe0000000-0xfefbffff]
0.062303] PM: hibernation: Registered nosave memory: [mem 0xfec00000-0xfec0ffff]
0.062304] PM: hibernation: Registered nosave memory: [mem 0xfec01000-0xfec0ffff]
0.062304] PM: hibernation: Registered nosave memory: [mem 0xfec00000-0xfec0ffff]
0.062305] PM: hibernation: Registered nosave memory: [mem 0xfec01000-0xfefbffff]
0.062305] PM: hibernation: Registered nosave memory: [mem 0xffff0000-0xffffffff]
0.136686] Memory: 3940952K/4193848K available (16393K kernel code, 3531K rdata, 10388K rodata, 2872K init, 4908K bss, 252636K reserved, 0K cma-reserved)
0.172907] Freeing SMP alternatives memory: 44K
```

5) Тип гипервизора

```
liveuser@localhost-live ~]$ dmesg | grep -i hypervisor
0.000000] Hypervisor detected: KVM
22.000549] [drm] Max dedicated hypervisor surface memory is 507904 kiB
liveuser@localhost-live ~]$
```

6,7) Тип файловой системы корневого раздела , последовательность монтирования файловых систем

```
[liveuser@localhost-live ~]$ file -s
Usage: file [-bcCdEhikLlNnprSsvZ0] [--apple] [--extension] [--mime-encoding]
        [--mime-type] [-e <testname>] [-F <separator>] [-f <namefile>]
        [-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
        <file> ...
        file -C [-m <magicfiles>]
        file [--help]
[liveuser@localhost-live ~]$ mkdir lab01
[liveuser@localhost-live ~]$ cd lab01
[liveuser@localhost-live lab01]$ mkdir lab-1
[liveuser@localhost-live lab01]$ ls
lab-1
[liveuser@localhost-live lab01]$ --
bash: --: command not found...
[liveuser@localhost-live lab01]$ -
bash: -: command not found...
[liveuser@localhost-live lab01]$ ---
bash: ---: command not found...
[liveuser@localhost-live lab01]$ ___
bash: ___: command not found...
[liveuser@localhost-live lab01]$ ----
bash: ----: command not found...
[liveuser@localhost-live lab01]$ cd --
[liveuser@localhost-live ~]$ ls
Desktop  Documents  Downloads  lab01  Music  Pictures  Public  Templates  Videos
[liveuser@localhost-live ~]$
```