

№1

2026-02-18

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- <https://github.com/alas-aline.io/ru/>



2

2.



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- pandoc                      Markdown

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- Markdown
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- pandoc                      Markdown
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  - html

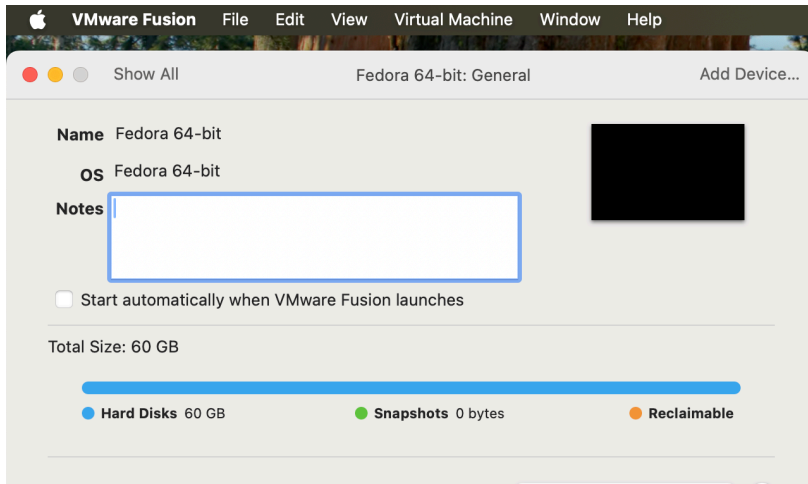


- pandoc                      Markdown
- - pdf
  - html
- : Makefile

3

3.

## VMware Fusion ( . 1).



dmesg ( . 2) ( . 3).

```
trusova@fedora:~$ sudo dmesg
[ 0.000000] Linux version 6.17.1-300.fc43.x86_64 (mockbuild@5381c258a4b343648
9a448ea66bda8ce) (gcc (GCC) 15.2.1 20250924 (Red Hat 15.2.1-2), GNU ld version 2
.45-1.fc43) #1 SMP PREEMPT_DYNAMIC Mon Oct 6 15:37:21 UTC 2025
[ 0.000000] Command line: BOOT_IMAGE=(hd0,gpt2)/vmlinuz-6.17.1-300.fc43.x86_6
4 root=UUID=0c82b6f6-d572-47cb-9029-b567742108d7 ro rootflags=subvol=root rhgb c
uiet
[ 0.000000] BIOS-provided physical RAM map:
[ 0.000000] BIOS-e820: [mem 0x0000000000000000-0x0000000000097bff] usable
[ 0.000000] BIOS-e820: [mem 0x0000000000097c00-0x000000000009ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000000a0000-0x00000000000cffff] reserved
```

2: dmesg

## 3.3

```
[ 0.000000] BIOS-e820: [mem 0x00000000bfff0000-0x00000000bfffffff] usable
[ 0.000000] BIOS-e820: [mem 0x00000000f0000000-0x00000000f7fffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000fec00000-0x00000000fec0ffff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
[ 0.000000] BIOS-e820: [mem 0x00000000fffe0000-0x00000000ffffffff] reserved
[ 0.000000] BIOS-e820: [mem 0x0000000100000000-0x000000023fffffff] usable
[ 0.000000] NX (Execute Disable) protection: active
[ 0.000000] APIC: Static calls initialized
[ 0.000000] SMBIOS 2.7 present.
[ 0.000000] DMI: VMware, Inc. VMware Virtual Platform/440BX Desktop Reference
Platform, BIOS 6.00 11/12/2020
[ 0.000000] DMI: Memory slots populated: 1/128
[ 0.000000] vmware: hypercall mode: 0x02
[ 0.000000] Hypervisor detected: VMware
[ 0.000000] vmware: TSC freq read from hypervisor : 1996.800 MHz
[ 0.000000] vmware: Host bus clock speed read from hypervisor : 66000000 Hz
[ 0.000000] vmware: using clock offset of 9375118574 ns
[ 0.000028] tsc: Detected 1996.800 MHz processor
[ 0.002732] e820: update [mem 0x00000000-0x00000fff] usable ==> reserved
[ 0.002739] e820: remove [mem 0x000a0000-0x000fffff] usable
[ 0.002749] last_pfn = 0x240000 max_arch_pfn = 0x400000000
[ 0.003227] total RAM covered: 261120M
```

grep

( . 4) ( . 5).

```

root@fedora:~# dmesg | grep -i Linux
[ 0.000000] Linux version 6.17.1-300.fc43.x86_64 (mockbuild@5381c258a4b3436489a448ea66bda8ce)
(gcc (GCC) 15.2.1 20250924 (Red Hat 15.2.1-2), GNU ld version 2.45-1.fc43) #1 SMP PREEMPT_DYNAM
IC Mon Oct 6 15:37:21 UTC 2025
[ 0.591784] LSM: initializing lsm=lockdown,capability,yama,selinux,bpf,landlock,ipe,ima,evm
[ 0.591855] SELinux: Initializing.
[ 0.695582] ACPI: [Firmware Bug]: BIOS _OSI(Linux) query ignored
[ 1.144463] pps_core: LinuxPPS API ver. 1 registered
[ 1.144463] pps_core: Software ver. 5.3.6 - Copyright 2005-2007 Rodolfo Giometti <giometti@li
nux.it>
[ 1.446261] Linux agpgart interface v0.103
[ 1.507597] usb usb1: Manufacturer: Linux 6.17.1-300.fc43.x86_64 uhci_hcd
[ 1.512639] device-mapper: ioctl: 4.50.0-ioctl (2025-04-28) initialised: dm-devel@lists.linux

```

4: grep

```

root@fedora:~# dmesg | grep -i "Linux version"
[    0.000000] Linux version 6.17.1-300.fc43.x86_64 (mockbuild@5381c258a4b3436489a448ea66bda8ce)
(gcc (GCC) 15.2.1 20250924 (Red Hat 15.2.1-2), GNU ld version 2.45-1.fc43) #1 SMP PREEMPT_DYNAMIC
IC Mon Oct  6 15:37:21 UTC 2025
root@fedora:~# dmesg | grep -i "Detected Mhz processor"
root@fedora:~# dmesg | grep -i "CPU0"
[    0.599425] smpboot: CPU0: Intel(R) Core(TM) i5-1038NG7 CPU @ 2.00GHz (family: 0x6, model: 0x
7e, stepping: 0x5)
root@fedora:~# dmesg | grep -i "Memory available"
root@fedora:~# dmesg | grep -i "Hypervisor detected"
[    0.000000] Hypervisor detected: VMware
root@fedora:~# dmesg | grep -i "root"
[    0.000000] Command line: BOOT_IMAGE=(hd0,gpt2)/vmlinuz-6.17.1-300.fc43.x86_64 root=UUID=0c82
b6f6-d572-47cb-9029-b567742108d7 ro rootflags=subvol=root rhgb quiet
[    0.378374] Kernel command line: BOOT_IMAGE=(hd0,gpt2)/vmlinuz-6.17.1-300.fc43.x86_64 root=UU
ID=0c82b6f6-d572-47cb-9029-b567742108d7 ro rootflags=subvol=root rhgb quiet
[    0.979269] ACPI: PCI Root Bridge [PCI0] (domain 0000 [bus 00-7f])
[    0.982629] pci_bus 0000:00: root bus resource [mem 0x000a0000-0x000bffff window]
[    0.982633] pci_bus 0000:00: root bus resource [mem 0x000d0000-0x000dbfff window]
[    0.982634] pci_bus 0000:00: root bus resource [mem 0xc0000000-0xfebfffff window]
[    0.982635] pci_bus 0000:00: root bus resource [io  0x0000-0x0cf7 window]
[    0.982636] pci_bus 0000:00: root bus resource [io  0x0d00-0xfeff window]

```

## 5: jopa

4

4.



: , UID, GID, , ( ), .

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man, --help	man ls, ls --help
cd	cd /home/user
ls	ls -la
du	du -sh folder
mkdir	mkdir newdir
rm -r	rm -r olddir
touch, >	touch file.txt
rm	rm file.txt
chmod	chmod 755 script.sh
history	history

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- **ext4:** Linux,

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- **ext4**: Linux,
- **NTFS**: Windows,

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- **ext4**: Linux,
- **NTFS**: Windows,
- **APFS**: macOS, SSD

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- **ext4**: Linux,
- **NTFS**: Windows,
- **APFS**: macOS, SSD
- **FAT32**: , 4

```
mount df -h
```

- `ps aux | grep # PID`



- `ps aux | grep # PID`
- `kill #`

- `ps aux | grep # PID`
- `kill #`
- `kill -9 #`

5

5.

