

Защита Лабораторной работы 1

презентация

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Информация

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Вводная часть

- Научиться устанавливать виртуальную машину

- Виртуальная машина у меня уже установлена и исправно работает

- Установка обновлений

```
[uautochkina@fedora ~]$ sudo -i
[sudo] пароль для uautochkina:
[root@fedora ~]# dnf -y update
Copr repo for PyCharm owned by phracek          792 B/s | 3.6 kB      00:04
Copr repo for PyChar      [===[  --- B/s |  0 B      --:-- ETA
```

- Установка tmux

```
[root@fedora ~]# dnf install tmux mc
Fedora 36 - x86_64 - Updates
Fedora 36 - x86_64 - Updates

Fedora Modular 36 - x86_64 - Updates
Последняя проверка окончания срока действия метаданных: 0:00:01 назад, Пт 17 фев 2023 19:31:14.
Пакет tmux-3.3a-1.fc36.x86_64 уже установлен.
Пакет mc-1:4.8.28-2.fc36.x86_64 уже установлен.
Зависимости разрешены.
Отсутствуют действия для выполнения.
Выполнено!
[root@fedora ~]#
[root@fedora ~]# SELINUX=enforcing
[root@fedora ~]# SELINUX=permissive
```


- Установка драйверов и DKMS

```
[root@fedora ~]# mount /dev/sr0 /media
mount: /media: WARNING: source write-protected, mounted read-only.
[root@fedora ~]# /media/VBoxLinuxAdditions.run
Verifying archive integrity... All good.
Uncompressing VirtualBox 6.1.38 Guest Additions for Linux.....
VirtualBox Guest Additions installer
This system appears to have a version of the VirtualBox Guest Additions
already installed. If it is part of the operating system and kept up-to-date
there is most likely no need to replace it. If it is not up-to-date, you
should get a notification when you start the system. If you wish to replace
it with this version, please do not continue with this installation now, but
instead remove the current version first, following the instructions for the
operating system.

If your system simply has the remains of a version of the Additions you could
```

Выполнение домашнего задания

```
[uautchckina@fedora ~]$ dmesg | less
[uautchckina@fedora ~]$ dmesg | grep -i "Linux version"
[    0.000000] Linux version 6.1.11-100.fc36.x86_64 (mockbuild@kernel02.iad2.fedoraproject.org) (gcc (GCC) 12.2.1 20221121 (Red Hat 12.2.1-4), GNU ld version 2.37-37.fc36) #1 SMP PREEMPT_DYNAMIC Thu Feb  9 20:36:30 UTC 2023
[uautchckina@fedora ~]$ dmesg | grep -i "Detected Mhz processor"
[uautchckina@fedora ~]$ dmesg | grep -i "CPU0"
[    0.240311] smpboot: CPU0: Intel(R) Core(TM) i5-10210U CPU @ 1.60GHz (family: 0x6, model: 0x8e, stepping: 0xc)
[uautchckina@fedora ~]$ dmesg | grep -i "Memory available"
[uautchckina@fedora ~]$ dmesg | grep -i "Hypervisor detected"
[    0.000000] Hypervisor detected: KVM
[uautchckina@fedora ~]$ dmesg | grep -i "MHz"
[    0.000014] tsc: Detected 2112.000 MHz processor
[    4.069381] e1000 0000:00:03:0 eth0: (PCI:33MHz:32-bit) 08:00:27:76:2c:58
[uautchckina@fedora ~]$ dmesg | grep -i "Memory"
[    0.003350] ACPI: Reserving FACP table memory at [mem 0xdffff080-0xdffff1e3]
[    0.003352] ACPI: Reserving DSDT table memory at [mem 0xdffff078-0xdffff094]
[    0.003354] ACPI: Reserving FACS table memory at [mem 0xdffff028-0xdffff02f]
[    0.003355] ACPI: Reserving FACS table memory at [mem 0xdffff028-0xdffff02f]
[    0.003356] ACPI: Reserving APIC table memory at [mem 0xdffff024-0xdffff029]
[    0.003357] ACPI: Reserving SSDT table memory at [mem 0xdffff02a-0xdffff046b]
[    0.023696] Early memory node ranges
[    0.023833] PM: hibernation: Registered nosave memory: [mem 0xe0000000-0xe0000fff]
[    0.023863] PM: hibernation: Registered nosave memory: [mem 0xe000f000-0xe000ffff]
[    0.023888] PM: hibernation: Registered nosave memory: [mem 0xe00a0000-0xe00a0fff]
[    0.023889] PM: hibernation: Registered nosave memory: [mem 0xe00bf000-0xe00bffff]
[    0.023901] PM: hibernation: Registered nosave memory: [mem 0xdfff0000-0xdfffffff]
[    0.023902] PM: hibernation: Registered nosave memory: [mem 0xe0000000-0xe00bffff]
[    0.023933] PM: hibernation: Registered nosave memory: [mem 0xfce00000-0xfce0bfff]
[    0.023934] PM: hibernation: Registered nosave memory: [mem 0xfce0c000-0xfce0ffff]
[    0.023935] PM: hibernation: Registered nosave memory: [mem 0xfce00000-0xfce0bfff]
[    0.023935] PM: hibernation: Registered nosave memory: [mem 0xfce0c000-0xfce0ffff]
[    0.023936] PM: hibernation: Registered nosave memory: [mem 0xfce0c000-0xfce0bfff]
[    0.023936] PM: hibernation: Registered nosave memory: [mem 0xfce0c000-0xfce0ffff]
[    0.067774] Memory: 397280K/4197944K available (16393K kernel code, 3265K rwdata, 12468K rodata, 3032K init, 4596K bss, 224804K reserved, 0K cma-reserved)
[    0.137688] Freeing SMP alternatives memory: 44K
[    0.241433] x86/mem: memory block size: 12096
[    1.146776] Freeing initrd memory: 32360K
[    1.161470] Non-volatile memory driver v1.3
[    1.545990] Freeing unused decrypted memory: 2036K
[    1.546560] Freeing unused kernel image (initmem) memory: 3032K
[    1.548822] Freeing unused kernel image (text/rodata gap) memory: 2036K
[    1.550162] Freeing unused kernel image (rodata/data gap) memory: 1808K
[    3.689827] vmwfx 0000:00:02:0: [drm] legacy memory limits: VRAM = 131072 kB, FFIO = 2048 kB, surface = 393216 kB
[    3.689835] vmwfx 0000:00:02:0: [drm] Maximum display memory size is 131072 KiB
[    6.476135] systemd[1]: Listening on systemd-oomd.socket - Userspace Out-Of-Memory (OOM) Killer Socket.
[uautchckina@fedora ~]$ dmesg | grep -i "Mount"
[    0.106290] Mount-cache hash table entries: 8192 (order: 4, 65536 bytes, linear)
[    0.106299] Mount-point-cache hash table entries: 8192 (order: 4, 65536 bytes, linear)
[    6.483114] systemd[1]: Set up automount proc-sys-fs-binfmt_misc.automount - Arbitrary Executable File Formats File System Automount Point.
[    6.485441] systemd[1]: Mounting dev-hugepages.mount - Huge Pages File System...
[    6.488493] systemd[1]: Mounting dev-mqueue.mount - POSIX Message Queue File System...
[    6.500526] systemd[1]: Mounting sys-kernel-debug.mount - Kernel Debug File System...
[    6.513499] systemd[1]: Mounting sys-kernel-tracing.mount - Kernel Trace File System...
[    6.609014] systemd[1]: Starting systemd-reMount-fs.service - Remount Root and Kernel File Systems...
[    6.697400] systemd[1]: Mounted dev-hugepages.mount - Huge Pages File System.
[    6.697943] systemd[1]: Mounted dev-mqueue.mount - POSIX Message Queue File System.
[    6.699492] systemd[1]: Mounted sys-kernel-debug.mount - Kernel Debug File System.
[    6.708624] systemd[1]: Mounted sys-kernel-tracing.mount - Kernel Trace File System.
[    6.752655] systemd[1]: Finished systemd-reMount-fs.service - Remount Root and Kernel File Systems.
[    6.762940] systemd[1]: Mounting sys-fs-fuse-connections.mount - FUSE Control File System...
[    6.787526] systemd[1]: Mounting sys-kernel-config.mount - Kernel Configuration File System...
[    6.788195] systemd[1]: ostree-reMount.service - OSTree Remount OS/ Bind Mounts was skipped because of a failed condition check (ConditionKernelCommandLine=ostree).
[    8.742635] EXT4-fs (sda1): mounted filesystem with ordered data mode. Quota mode: none.
[uautchckina@fedora ~]$
```

Приобрела навыки необходимые для дальнейшей работы

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