

Лабораторная работа № 1

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2023, Москва

Целью данной работы является приобретение практических навыков установки операционной системы на виртуальную машину, настройки минимально необходимых для дальнейшей работы сервисов.

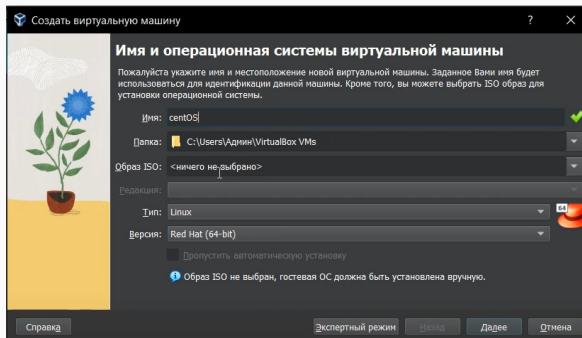


Рис. 1: Начало создания виртуальной машины

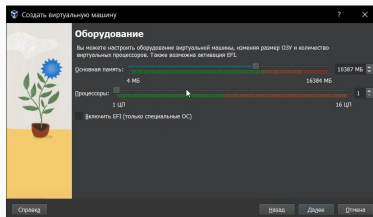


Рис. 2: Настройка ОЗУ

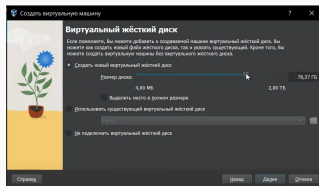


Рис. 3: Настройка виртуального жёсткого диска

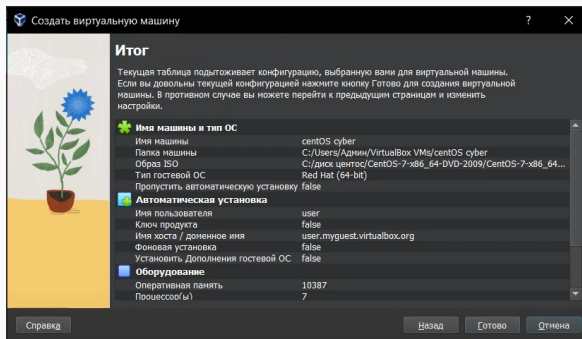


Рис. 4: Просмотр итога



Рис. 6: Дата и время

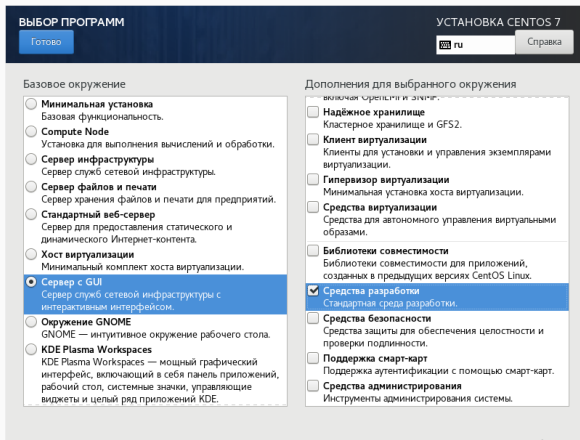


Рис. 7: Выбор программ

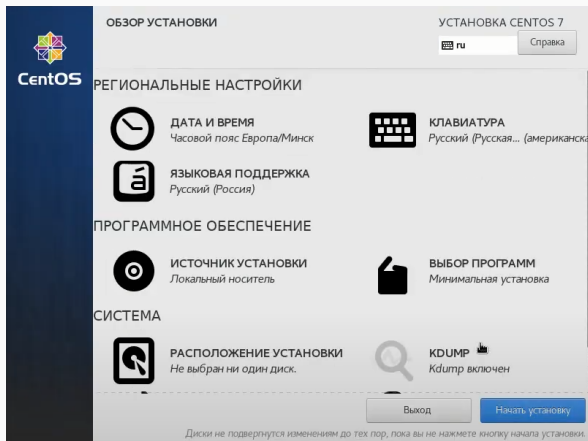


Рис. 8: Завершение настройки

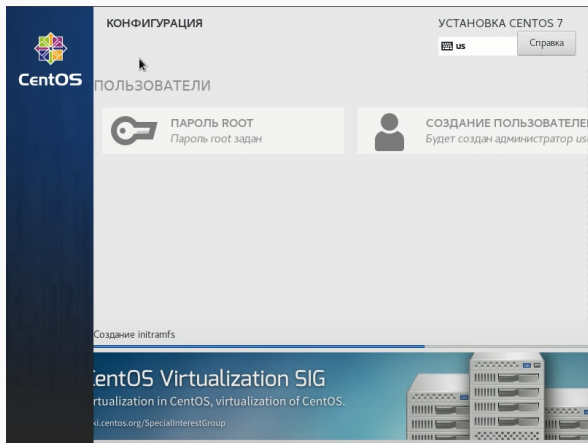


Рис. 9: Настройки параметров админ. учетной записи

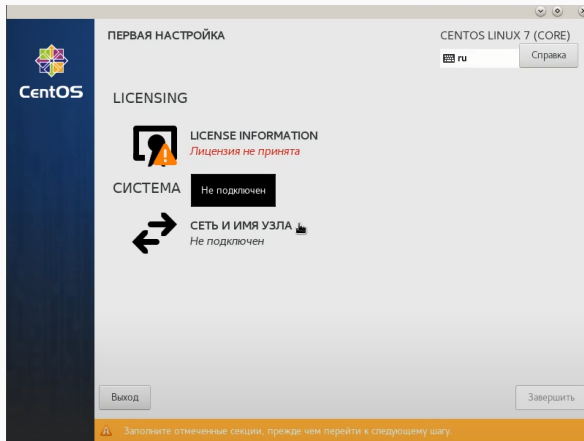


Рис. 10: Первая настройка ОС

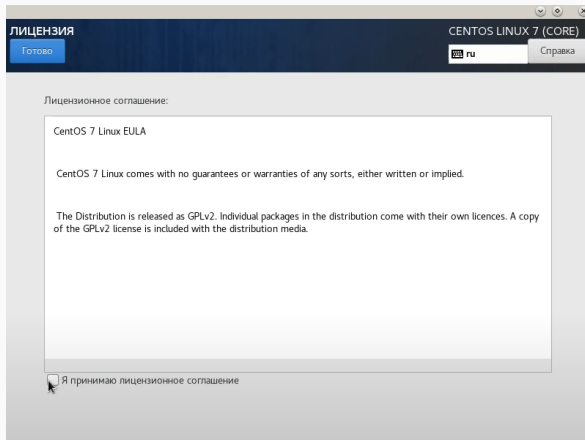


Рис. 11: Принятие лицензии

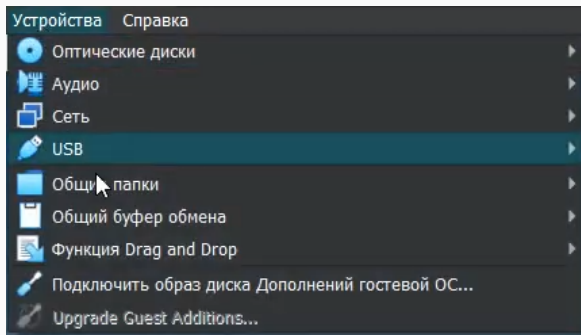


Рис. 12: Подключение ОС к гостевой библиотеке

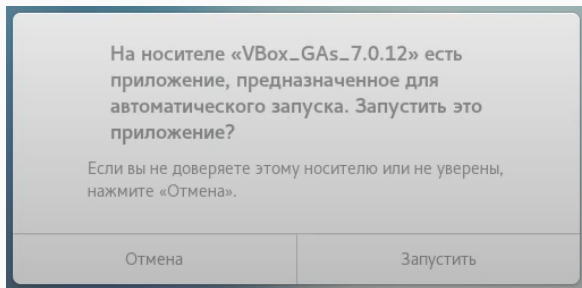


Рис. 13: Запуск приложения

```
Verifying archive integrity... 100% MD5 checksums are OK. All good.
Uncompressing VirtualBox 7.0.12 Guest Additions for Linux 100%
VirtualBox Guest Additions installer
Copying additional installer modules ...
Installing additional modules ...
.VirtualBox Guest Additions: Starting.
VirtualBox Guest Additions: Setting up modules
VirtualBox Guest Additions: Building the VirtualBox Guest Additions kernel
modules. This may take a while.
VirtualBox Guest Additions: To build modules for other installed kernels, run
VirtualBox Guest Additions: /sbin/rcvboxadd quicksetup <version>
VirtualBox Guest Additions: or
VirtualBox Guest Additions: /sbin/rcvboxadd quicksetup all
VirtualBox Guest Additions: Building the modules for kernel
3.10.0-1160.el7.x86_64.
VirtualBox Guest Additions: reloading kernel modules and services
VirtualBox Guest Additions: kernel modules and services 7.0.12 r159484 reloaded
VirtualBox Guest Additions: NOTE: you may still consider to re-login if some
user session specific services (Shared Clipboard, Drag and Drop, Seamless or
Guest Screen Resize) were not restarted automatically
Press Return to close this window...
```

Рис. 14: Процесс работы приложения

```
[user@localhost ~]$ dmesg | grep -i "Linux version"
[ 0.000000] Linux version 3.10.0-1160.el7.x86_64 (mockbuild@kbuilder.bsys.centos.org) (
[user@localhost ~]$ dmesg | grep -i "Mhz processor"
[ 0.000000] tsc: Detected 2999.996 MHz processor
[user@localhost ~]$ dmesg | grep -i "CPU0"
[ 0.115984] smpboot: CPU0: Intel(R) Core(TM) i7-9700 CPU @ 3.00GHz (fam: 06, model: 9e,
[user@localhost ~]$ dmesg | grep -i "memory"
[ 0.000000] Base memory trampoline at [ffff94a240099000] 99000 size 24576
[ 0.000000] Early memory node ranges
[ 0.000000] PM: Registered nosave memory: [mem 0x0009f000-0x0009ffff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000a0000-0x000effff]
[ 0.000000] PM: Registered nosave memory: [mem 0x000f0000-0x000fffff]
[ 0.000000] Memory: 2012796k/2097088k available (7788k kernel code, 392k absent, 83900k
[ 0.000000] please try 'cgroup_disable=memory' option if you don't want memory cgroups
[ 0.047504] Initializing cgroup subsys memory
[ 0.215337] x86/mm: Memory block size: 128MB
[ 0.536506] Freeing initrd memory: 31212k freed
[ 0.558399] Non-volatile memory driver v1.3
[ 0.558506] crash memory driver: version 1.1
[ 0.623093] Freeing unused kernel memory: 1984k freed
[ 0.624004] Freeing unused kernel memory: 392k freed
[ 0.624948] Freeing unused kernel memory: 536k freed
[ 1.352600] [drm] Max dedicated hypervisor surface memory is 507904 kiB
[ 1.352601] [drm] Maximum display memory size is 16384 kiB
[ 1.352728] [TTM] Zone kernel: Available graphics memory: 1023474 kiB
[user@localhost ~]$ dmesg | grep -i "Hypervisor detected"
[ 0.000000] Hypervisor detected: KVM
[user@localhost ~]$ dmesg | grep -i "Filesystem"
[ 1.935544] XFS (dm-0): Mounting V5 Filesystem
[ 3.230283] XFS (sda1): Mounting V5 Filesystem
```

Рис. 15: Dmesg

В результате выполнения работы ознакомился с основными этапами установки виртуальных машин и их настроек, а также создал виртуальную среду для выполнения последующих лабораторных работ.