

Лабораторная №1

Основы информационной безопасности

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Цель

- Установка и настройка операционной системы Rocky на виртуальной машине, подготовка ее к дальнейшей работе

Ход работы

Создание машины

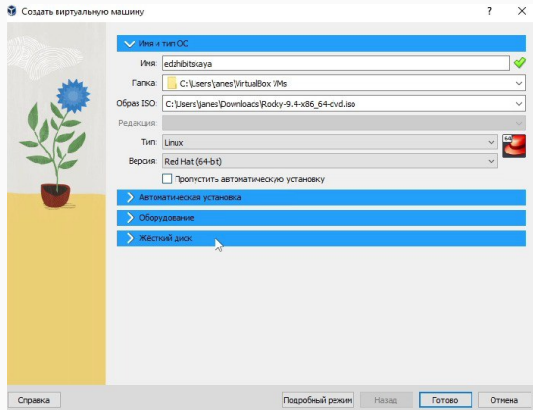


Рис. 1: Имя, тип

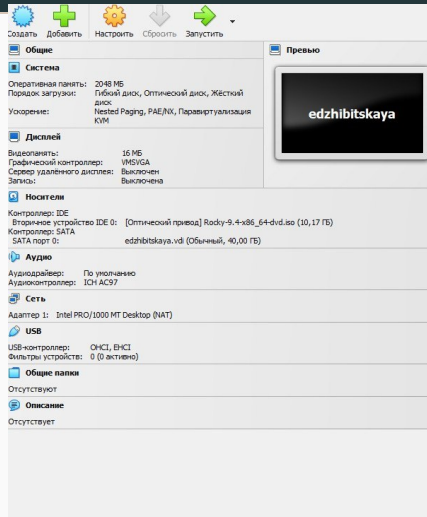
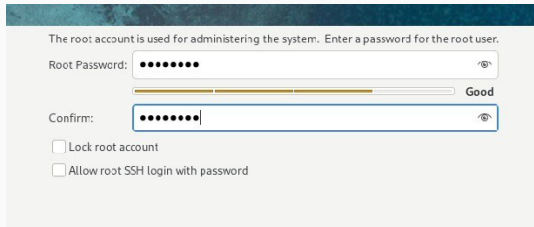


Рис. 2: Настройка



The root account is used for administering the system. Enter a password for the root user.

Root Password: [password field] [toggle icon]

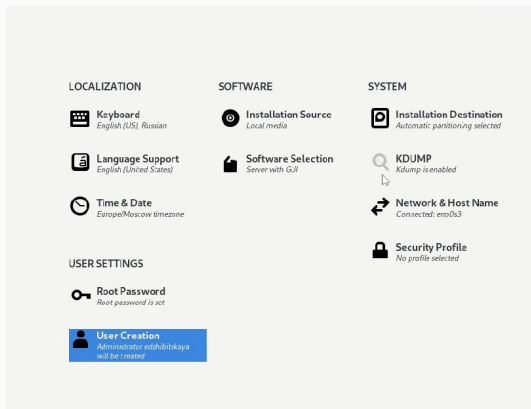
[progress bar] Good

Confirm: [password field] [toggle icon]

☐ Lock root account


☐ Allow root SSH login with password

Рис. 3: Root







LOCALIZATION	SOFTWARE	SYSTEM
Keyboard <i>English (US), Russian</i>	Installation Source <i>Local media</i>	Installation Destination <i>Automatic partitioning selected</i>
Language Support <i>English (United States)</i>	Software Selection <i>Server with GUI</i>	KDUMP <i>Kdump is enabled</i>
Time & Date <i>Europe/Moscow timezone</i>		Network & Host Name <i>Connected: enp0s3</i>
		Security Profile <i>No profile selected</i>
USER SETTINGS		
Root Password <i>Root password is set</i>		
User Creation <i>Administrator edhibitskaya will be created</i>		

Рис. 4: Настройка



Evgenia Zhibitskaya





Домашнее задание

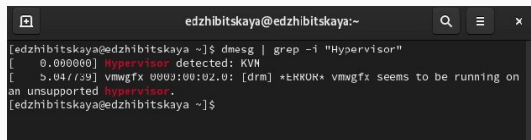
```
[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "Linux version"
[ 0.000000] Linux version 5.14.0-427.13.1.el9_4.x86_64 (mockbuild@iad1-prod-b
uid001.bld.equ.rockylinux.org) (gcc (GCC) 11.4.1 20231218 (Red Hat 11.4.1-3), G
NU ld version 2.35.2-43.el9) #1 SMP PREEMPT DYNAMIC Wed May 1 19:11:28 UTC 2024
[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "Detected Mhz processor"
[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "Mhz"
[ 0.000013] tsc: Detected 2295.614 MHz processor
[ 6.693792] e1000 0000:00:03:0 eth0: (PCI:33MHz:32-bit) 08:00:27:a1:63:52
[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "CPU0"
[ 0.176967] CPU0: Hyper-Threading is disabled
[ 0.270599] smpboot: CPU0: AMD Athlon Silver 3050J with Radeon Graphics (fami
ly: 0x17, model: 0x18, stepping: 0x1)
```

Рис. 6: Информация о ядре и процессоре

```
edzhibitskaya@edzhibitskaya:~$ free -m
total        used        free      shared  buff/cache   available
Mem:         1775         1222         119         15          601          553
Swap:        2095           1         2094

[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "filesystem"
[ 7.645816] XFS (dm-0): Mounting V5 Filesystem 28586c4a-67b3-44da-ac22-27fe59
bd772a
[ 13.858341] XFS (sda1): Mounting V5 Filesystem 6e7e6611-7a5b-47a5-bde0-af0285
675efc
[edzhibitskaya@edzhibitskaya ~]$ dmesg | grep -i "mounted"
[ 9.905121] systemd[1]: Mounted Huge Pages File System.
[ 9.912903] systemd[1]: Mounted POSIX Message Queue File System.
[ 9.915392] systemd[1]: Mounted Kernel Debug File System.
[edzhibitskaya@edzhibitskaya ~]$
```

Рис. 7: Данные о гипервизоре



```
edzhbitskaya@edzhbitskaya:~  
[edzhbitskaya@edzhbitskaya ~]$ dmesg | grep -i "Hypervisor"  
[ 0.000000] Hypervisor detected: KVM  
[ 5.04739] vmwgfx 0000:00:02.0: [drm] *ERROR* vmwgfx seems to be running on  
an unsupported hypervisor.  
[edzhbitskaya@edzhbitskaya ~]$
```

Рис. 8: Данные о памяти и файловой системе

Выводы

- В ходе работы была установлена и настроена ОС Rocky, приобретены навыки по данному типу работы.