

# лабораторной работе №1

## Установка и Конфигурация ОС на Виртуальную Машину

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# Содержание I

1. Информация
2. Выполнение работы
3. Выводы

# Раздел 1

## 1. Информация

## 1.1 Докладчик

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## Раздел 2

### 2. Выполнение работы

## 2. Выполнение работы

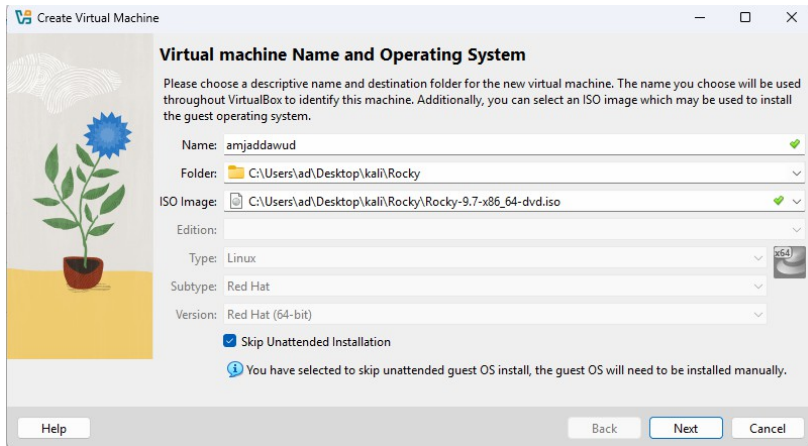


Рисунок 1: Оптический диск

## 2.1 Настройки

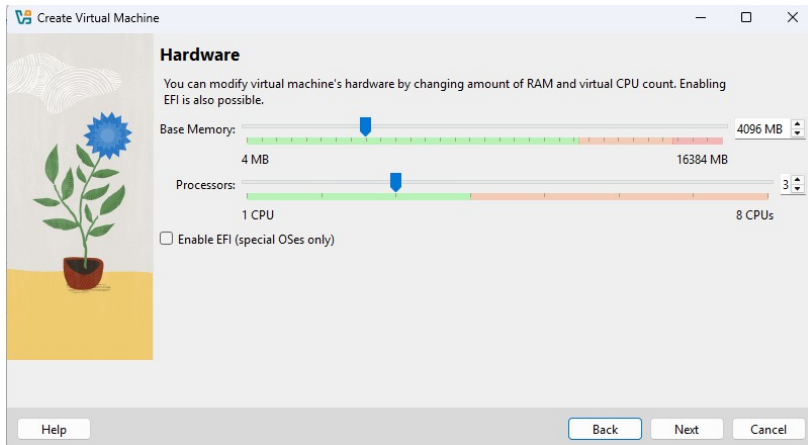


Рисунок 2: Объем оперативной памяти

## 2.2 Настройки

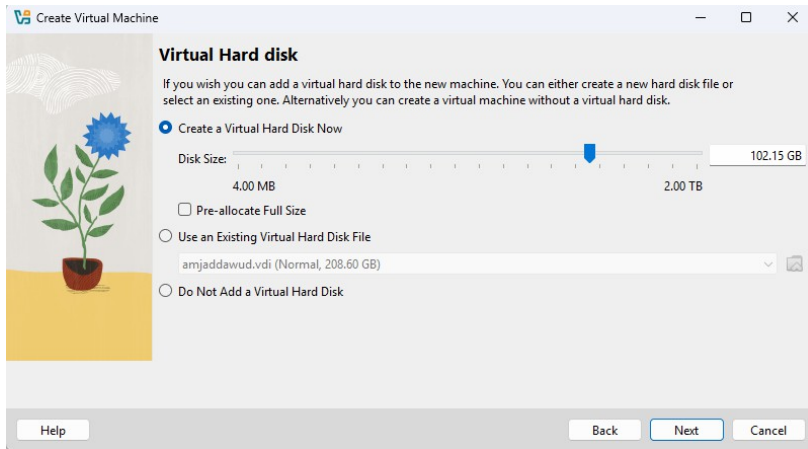


Рисунок 3: Жетский диск



## 2.3 Настройки

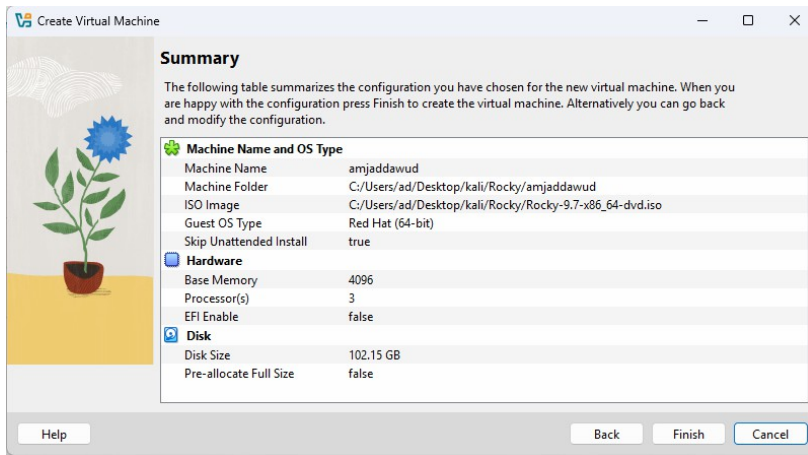


Рисунок 4: Итог

## 2.4 Настройки

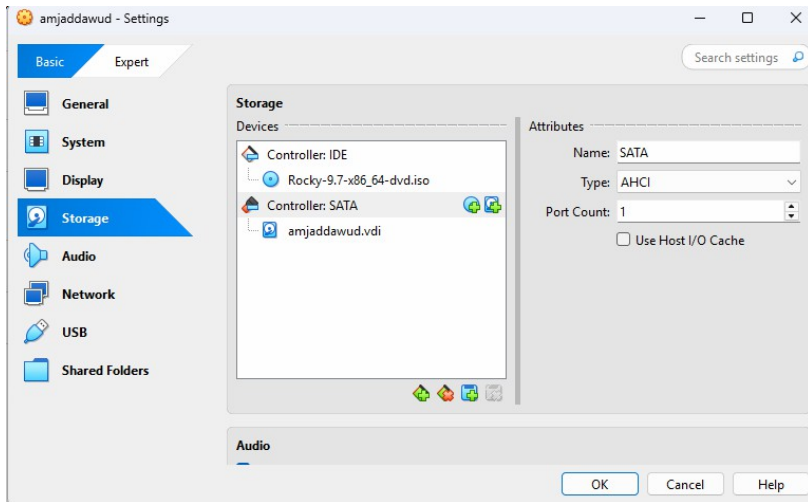
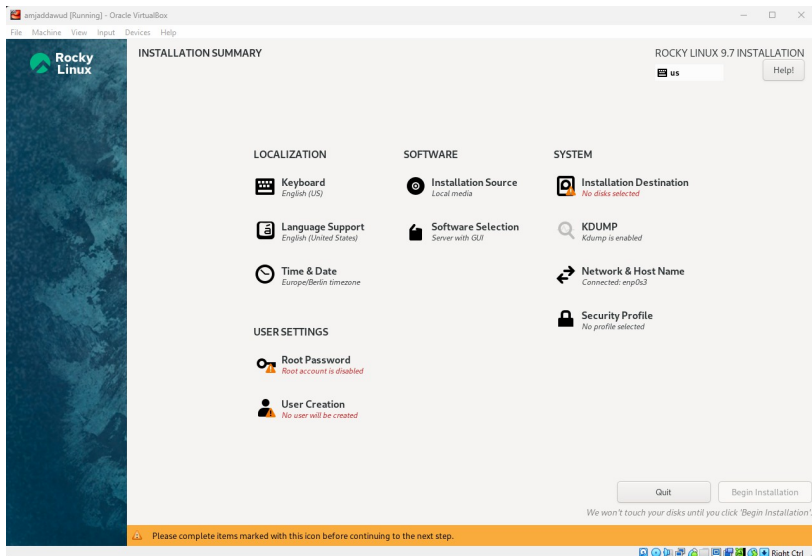


Рисунок 5: Носители

## 2.5 Настройки



## 2.6 Настройки

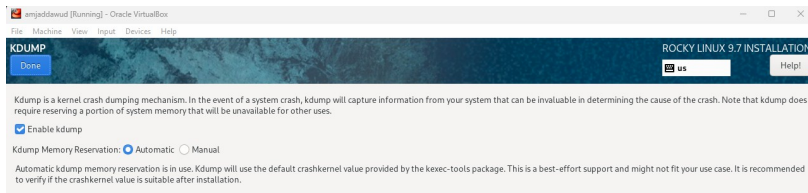


Рисунок 7: Отключение kdump

## 2.7 Настройки

amjaddawud [Running] - Oracle VirtualBox

File Machine View Input Devices Help

CREATE USER

Done

ROCKY LINUX 9.7 INSTALLATION

us Help!

Full name amjaddawud

User name amjaddawud

☐ Make this user administrator

☒ Require a password to use this account

Password ●●●●

Too short

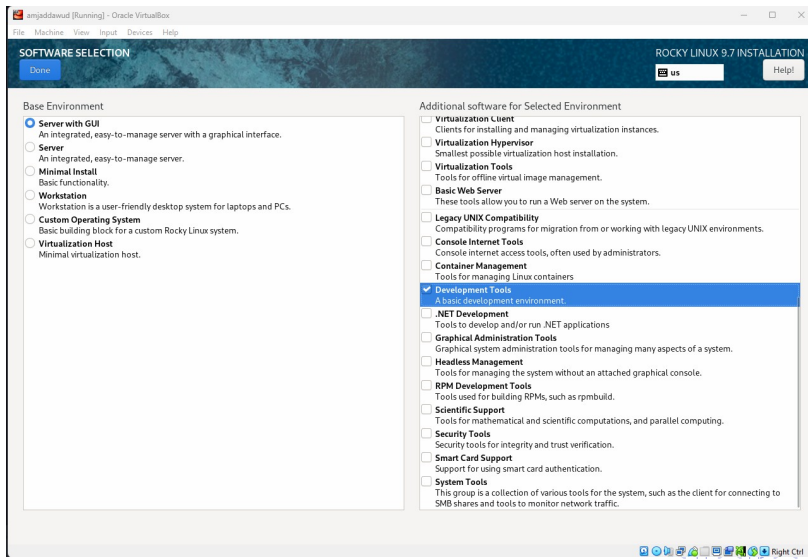
Confirm password ●●●●

Advanced...

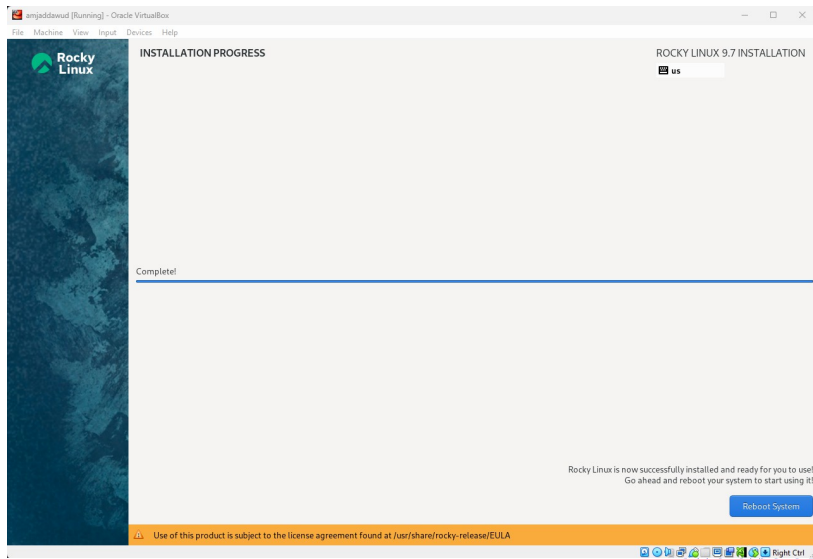
The password is too short. You will have to press Done twice to confirm it.

Right Ctrl

## 2.8 Настройки



## 2.9 Установка



## 2.10 Установка

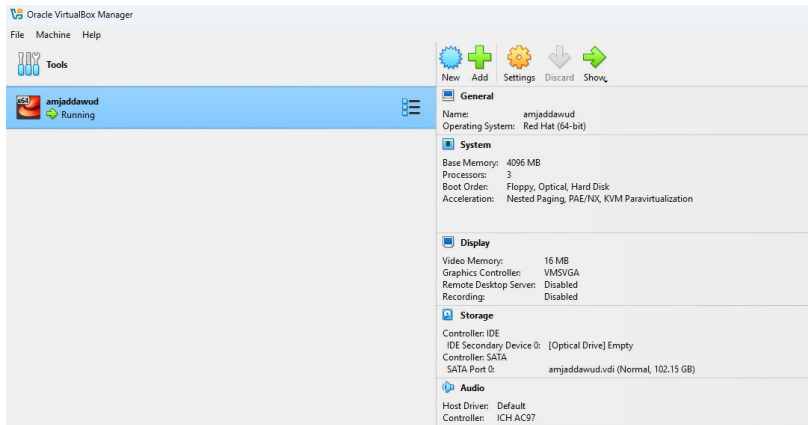
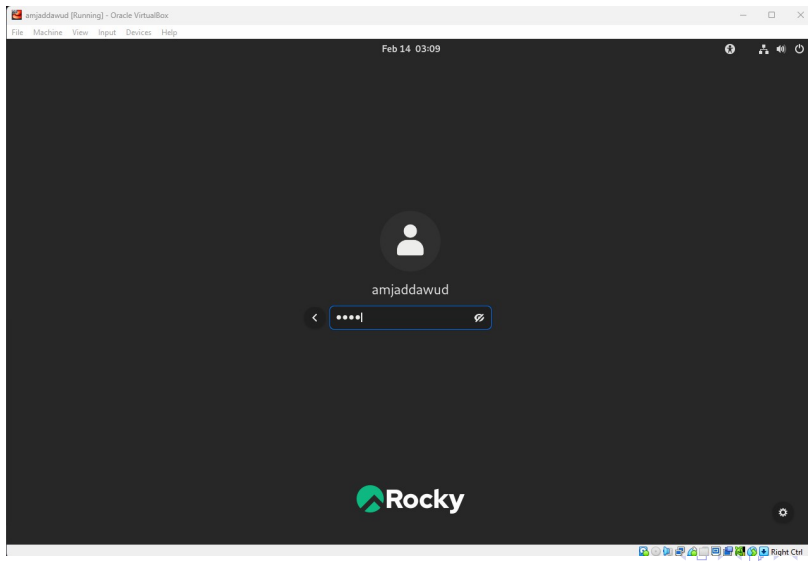


Рисунок 11: Проверка носителей



## 2.11 Установка



## 2.12 Информация о системе

```
[amjaddawud@amjaddawud ~]$ dmesg | grep -i "Linux version"
[    0.000000] Linux version 5.14.0-611.5.1.el9_7.x86_64 (mockbuild@iad1-prod-build001.bld.equ.rockylinux.org) (gcc (GCC) 11.5.0 20240719 (Red Hat 11.5.0-11), GNU ld version 2.35.2-67.el9) #1 SMP PREEMPT_DYNAMIC Tue Nov 11 22:20:27 UTC 2025
[amjaddawud@amjaddawud ~]$
```

Рисунок 13: Версия ядра Linux

## 2.13 Информация о системе

```
[amjaddawud@amjaddawud ~]$ dmesg | grep -i "Detected"
[ 0.000000] Hypervisor detected: KVM
[ 0.000007] tsc: Detected 3600.000 MHz processor
[ 0.024276] Warning: Deprecated Hardware is detected: x86_64-v2:GenuineIntel:
Intel(R) Core(TM) i3-10100 CPU @ 3.60GHz will not be maintained in a future major
release and may be disabled
[ 1.129968] hub 1-0:1.0: 12 ports detected
[ 1.201152] hub 2-0:1.0: 12 ports detected
[ 1.505833] systemd[1]: Detected virtualization oracle.
[ 1.506192] systemd[1]: Detected architecture x86-64.
[ 2.389564] Warning: Unmaintained driver is detected: e1000
[ 2.403392] Warning: Unmaintained driver is detected: e1000_init_module
[ 5.885811] systemd[1]: Detected virtualization oracle.
[ 5.886140] systemd[1]: Detected architecture x86-64.
[amjaddawud@amjaddawud ~]$
```

Рисунок 14: Частота процессора

## 2.14 Информация о системе

```
[amjaddawud@amjaddawud ~]$ dmesg | grep -i "CPU"
[ 0.002056] CPU MTRRs all blank - virtualized system.
[ 0.013104] ACPI: SSDT 0x00000000DFFF02B0 00036C (v01 VBOX VBOXCPU 00000000
2 INTL 20100528)
[ 0.024109] CPU topo: Max. logical packages: 1
[ 0.024110] CPU topo: Max. logical dies: 1
[ 0.024110] CPU topo: Max. dies per package: 1
[ 0.024114] CPU topo: Max. threads per core: 1
[ 0.024114] CPU topo: Num. cores per package: 3
[ 0.024115] CPU topo: Num. threads per package: 3
[ 0.024115] CPU topo: Allowing 3 present CPUs plus 0 hotplug CPUs
[ 0.024276] Warning: Deprecated Hardware is detected: x86_64-v2:GenuineIntel:
Intel(R) Core(TM) i3-10100 CPU @ 3.60GHz will not be maintained in a future major
release and may be disabled
[ 0.028645] setup_percpu: NR_CPUS:8192 nr_cpumask_bits:3 nr_cpu_ids:3 nr_node
_ids:1
[ 0.032992] percpu: Embedded 64 pages/cpu s225280 r8192 d28672 u524288
[ 0.032998] pcpu-alloc: s225280 r8192 d28672 u524288 alloc=1*2097152
[ 0.033001] pcpu-alloc: [0] 0 1 2 -
[ 0.056927] SLUB: Hwalign=64, Order=0-3, MinObjects=0, CPUs=3, Nodes=1
[ 0.067338] rcu: RCU restricting CPUs from NR_CPUS=8192 to nr_cpu_ids=3.
[ 0.067341] rcu: Adjusting geometry for rcu_fanout_leaf=16, nr_cpu_ids=3
[ 0.067346] RCU Tasks: Setting shift to 2 and lim to 1 rcu_task_cb_adjust=1 r
cu_task_cpu_ids=3.
[ 0.067348] RCU Tasks Rude: Setting shift to 2 and lim to 1 rcu_task_cb_adju
st=1 rcu_task_cpu_ids=3.
[ 0.067348] RCU Tasks Trace: Setting shift to 2 and lim to 1 rcu_task_cb_adju
st=1 rcu_task_cpu_ids=3.
[ 0.137684] MMIO Stale Data: Vulnerable: Clear CPU buffers attempted, no micr
ocode
[ 0.254047] smpboot: CPU0: Intel(R) Core(TM) i3-10100 CPU @ 3.60GHz (family:
0x6, model: 0xa5, stepping: 0x3)
[ 0.254684] Performance Events: unsupported p6 CPU model 165 no PMU driver, s
oftware events only.
[ 0.254684] smp: Bringing up secondary CPUs ...
[ 0.254684] .... node #0, CPUs: #1 #2
[ 0.265051] smp: Brought up 1 node, 3 CPUs
```

## Раздел 3

### 3. Выводы

### 3. Выводы

Я приобрела практические навыки установки операционной системы на виртуальную машину, настройки минимально необходимых для дальнейшей работы сервисов.