

# Презентация к лабораторной работе №1

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ГРУППА: НПМБД-01-21

# Цель работы


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Цель работы: приобрести практические навыки установки операционной системы на виртуальную машину и настройки минимально необходимых для дальнейшей работы сервисов.



# Выполнение работы

## Установка виртуальной машины и дистрибутива



The screenshot shows the 'Download VirtualBox' page. At the top, the 'VirtualBox' logo is in large blue letters, with 'Download VirtualBox' in smaller black text below it. To the right of the logo is a search bar and links for 'Login' and 'Preferences'. Below the header, a line of text states: 'Here you will find links to VirtualBox binaries and its source code.' The main section is titled 'VirtualBox binaries' and contains two paragraphs of text providing information about the latest versions (6.0 and 5.2) and their support status. At the bottom, there is a section titled 'VirtualBox 6.1.34 platform packages' with a bulleted list of operating system hosts: Windows, Linux, Solaris, and Solaris 11 IPS.

**VirtualBox**  
Download VirtualBox

Here you will find links to VirtualBox binaries and its source code.

**VirtualBox binaries**

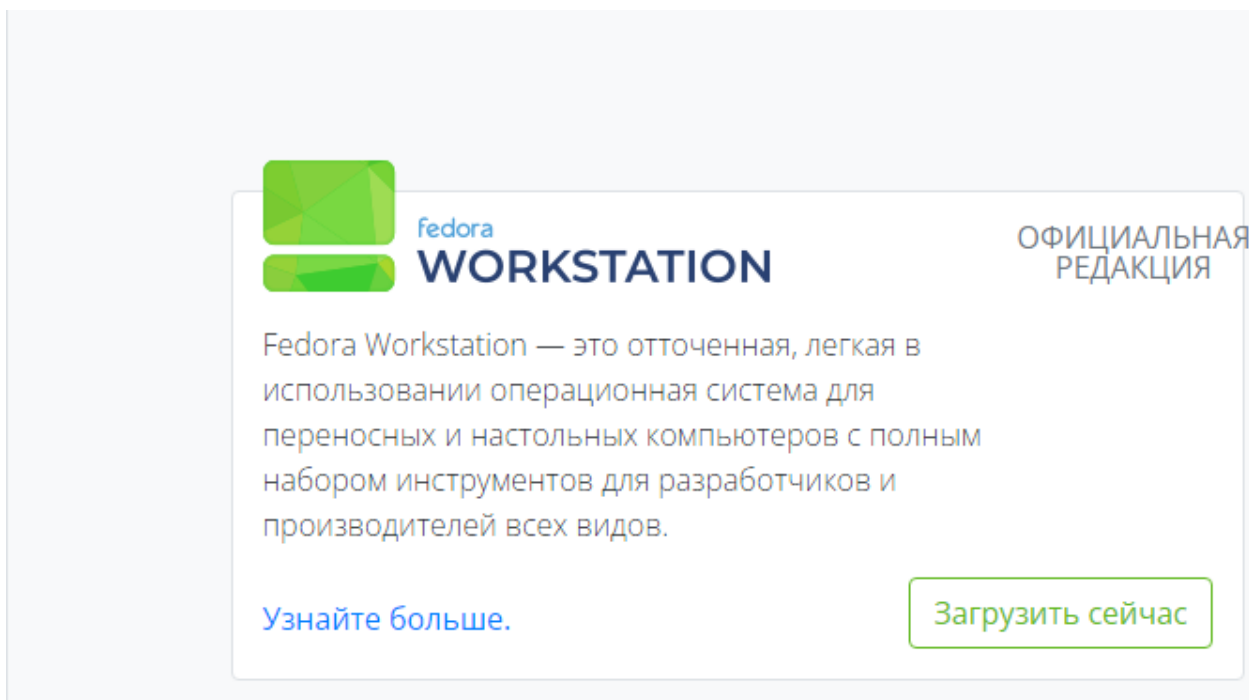
By downloading, you agree to the terms and conditions of the respective license.

If you're looking for the latest VirtualBox 6.0 packages, see [VirtualBox 6.0 builds](#). Please also use version 6.0 if you need to run VMs with software virtualization, as this has been discontinued in 6.1. Version 6.0 will remain supported until July 2020.


If you're looking for the latest VirtualBox 5.2 packages, see [VirtualBox 5.2 builds](#). Please also use version 5.2 if you still need support for 32-bit hosts, as this has been discontinued in 6.0. Version 5.2 will remain supported until July 2020.

**VirtualBox 6.1.34 platform packages**

- [Windows hosts](#)
- [Linux hosts](#)
- [Linux distributions](#)
- [Solaris hosts](#)
- [Solaris 11 IPS hosts](#)



The screenshot shows the 'Fedora Workstation' page. On the left, there is a green geometric logo. To its right, the text 'fedora' is in a small blue font, and 'WORKSTATION' is in a large, bold, dark blue font. In the top right corner, the text 'ОФИЦИАЛЬНАЯ РЕДАКЦИЯ' is written in a light blue, sans-serif font. The main content area contains a paragraph of text describing Fedora Workstation as a refined, lightweight operating system for use on portable and desktop computers, equipped with a full set of tools for developers and producers of all kinds. Below this text, there are two buttons: 'Узнайте больше.' (Learn more.) in blue text on the left, and 'Загрузить сейчас' (Download now) in green text inside a green-bordered button on the right.

 **fedora**  
**WORKSTATION**

ОФИЦИАЛЬНАЯ  
РЕДАКЦИЯ

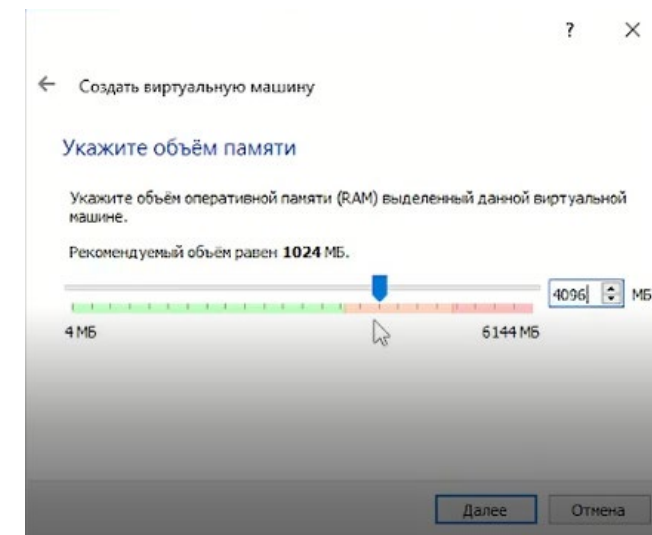
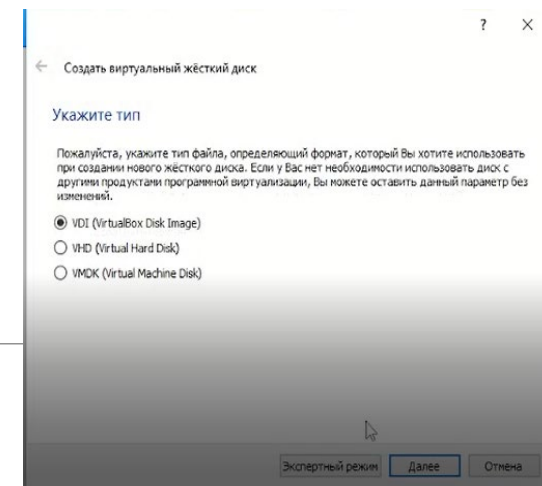
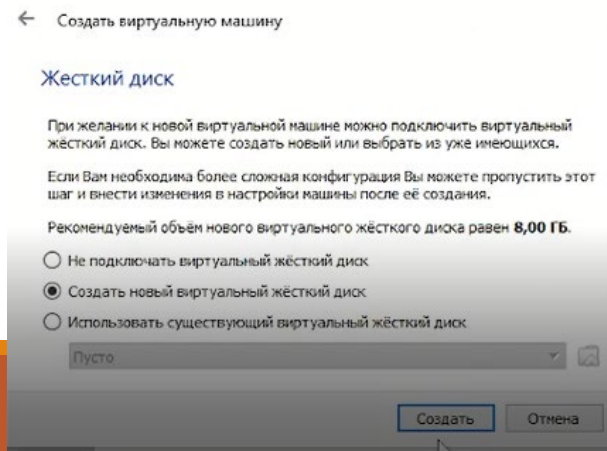
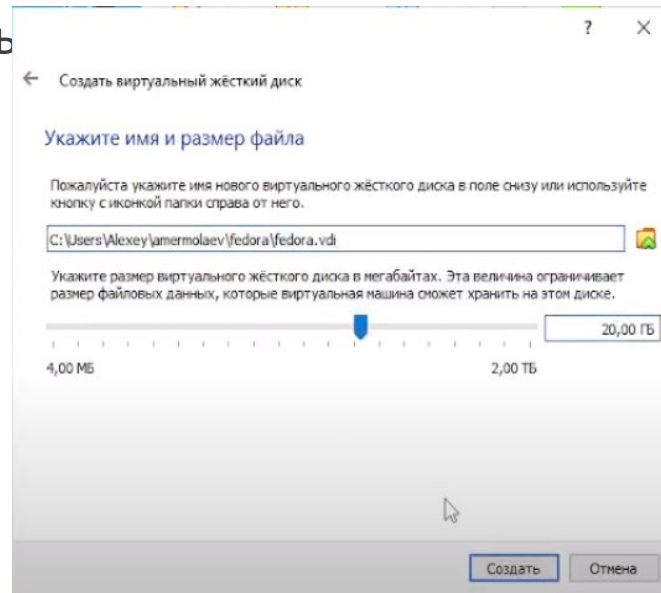
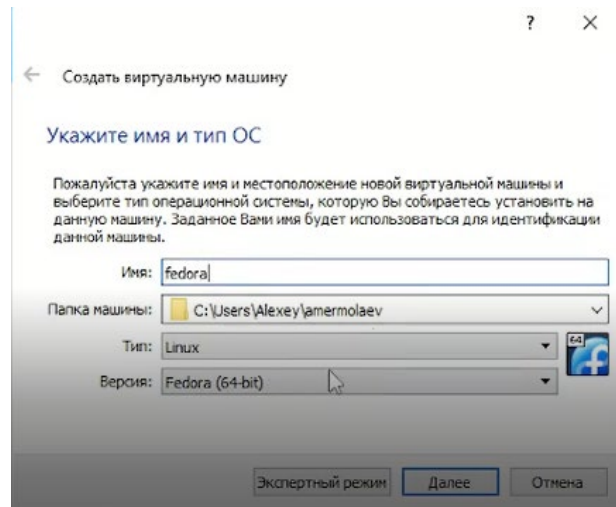
Fedora Workstation — это отточенная, легкая в использовании операционная система для переносных и настольных компьютеров с полным набором инструментов для разработчиков и производителей всех видов.

[Узнайте больше.](#)

[Загрузить сейчас](#)

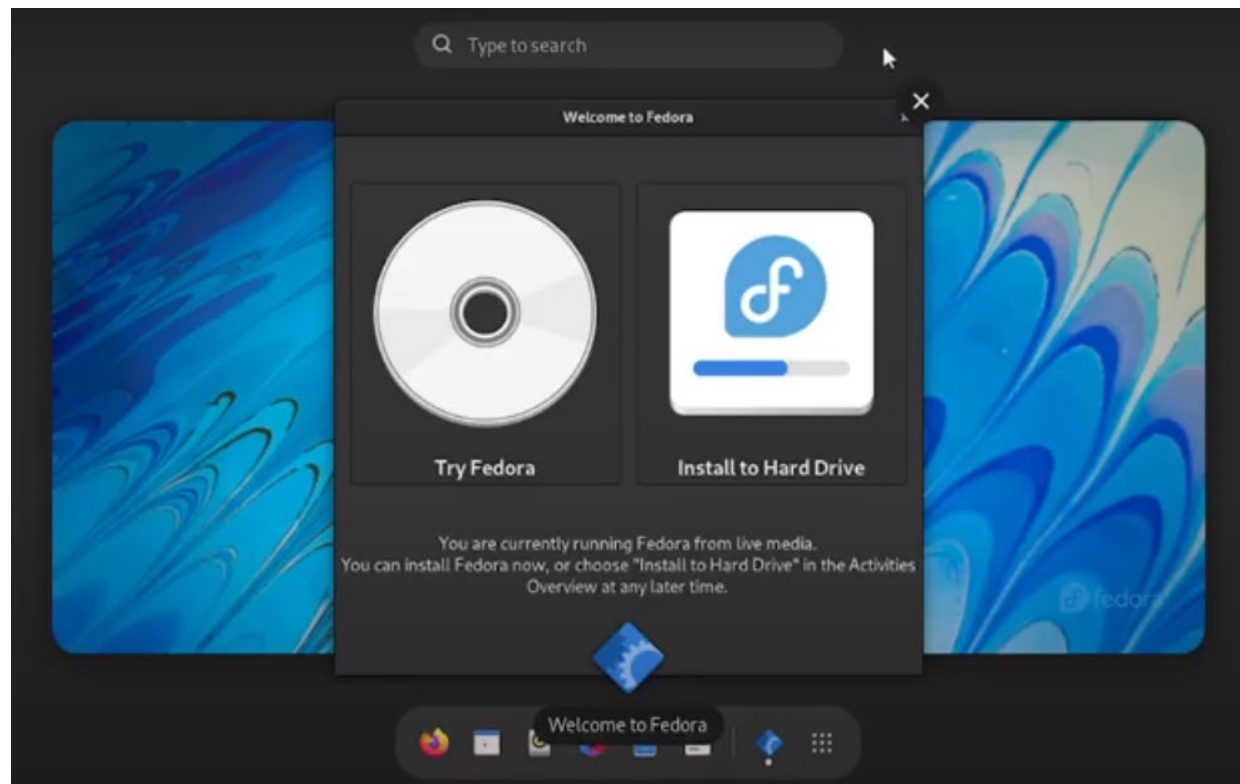
# Выполнение работы

## Создание виртуальной машины



# Выполнение работы

Установка дистрибутива в виртуальной системе



# Выполнение работы

Добавление пользователя и установка хоста

```
[liveuser@localhost-live ~]$ su -  
[root@localhost-live ~]# adduser -G wheel amermolaev  
[root@localhost-live ~]# passwd amermolaev  
Changing password for user amermolaev.  
New password:  
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/sy  
tematic  
Retype new password:  
Sorry, passwords do not match.  
New password:  
BAD PASSWORD: The password fails the dictionary check - it is too simplistic/sy  
tematic  
Retype new password:  
passwd: all authentication tokens updated successfully.  
[root@localhost-live ~]#
```

```
[root@localhost-live ~]# hostnamectl set-hostname amermolaev  
[root@localhost-live ~]# hostnamectl  
Static hostname: amermolaev  
Icon name: computer-vm  
Chassis: vm  
Machine ID: 9ae5efd3bef5403984ec1606632d5637  
Boot ID: 2bf2ff01dd9f46d4b70d3ce41fab832f  
Virtualization: oracle  
Operating System: Fedora Linux 35 (Workstation Edition)  
CPE OS Name: cpe:/o:fedoraproject:fedora:35  
Kernel: Linux 5.14.10-300.fc35.x86_64  
Architecture: x86-64  
Hardware Vendor: innotek GmbH  
Hardware Model: VirtualBox  
[root@localhost-live ~]#
```

# Выполнение работы

Анализ последовательности загрузки системы

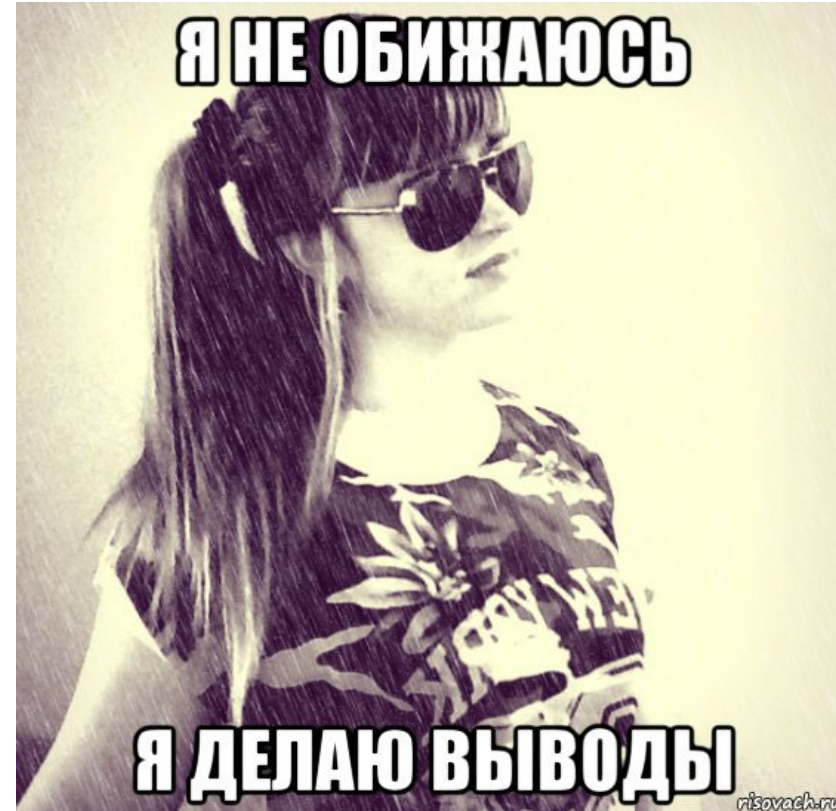
```
liveuser@localhost-live:~$ dmesg | grep -i "Mount"
[ 0.352227] Mount-cache hash table entries: 8192 (order: 4, 65536 bytes, linear)
[ 0.352245] Mountpoint-cache hash table entries: 8192 (order: 4, 65536 bytes, linear)
[ 49.784166] audit: type=1130 audit(1650609421.966:20): pid=1 uid=0 auid=4294957295 ses=4294967295 subj=kernel msg='unit=dracut-pre-mount comm="systemd" exe="/usr/lib/systemd/systemd" hostname=? addr=? terminal=? res=success'
[ 49.806800] EXT4-fs (dm-0): mounted filesystem with ordered data mode. Opts: (null). Quota mode: none.
[ 57.623999] systemd[1]: Set up automount Arbitrary Executable File Formats File System Automount Point.
[ 57.643378] systemd[1]: Mounting Huge Pages File System...
[ 57.648094] systemd[1]: Mounting POSIX Message Queue File System...
[ 57.664428] systemd[1]: Mounting Kernel Debug File System...
[ 57.680438] systemd[1]: Mounting Kernel Trace File System...
[ 57.964568] systemd[1]: Starting Remount Root and Kernel File Systems...
[ 58.012413] systemd[1]: Mounted Huge Pages File System.
[ 58.012653] systemd[1]: Mounted POSIX Message Queue File System.
[ 58.012913] systemd[1]: Mounted Kernel Debug File System.
[ 58.013114] systemd[1]: Mounted Kernel Trace File System.
[ 58.054704] systemd[1]: Mounting FUSE Control File System...
[ 58.071862] systemd[1]: Mounting Kernel Configuration File System...
[ 58.140462] systemd[1]: Finished Remount Root and Kernel File Systems.
```



# Вывод

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В рамках выполнения работы мне удалось приобрести навык установки операционной системы на виртуальную машину и настройки минимально необходимых для дальнейшей работы сервисов. Кроме того, данная работа помогла мне вспомнить команды терминала и работать с ним в виртуальной системе.





**СПАСИБО ЗА  
ВНИМАНИЕ!**

**НАДЕЮСЬ, ВАМ ВСЕ  
БЫЛО ПОНЯТНО!**