

Презентация по Индивидуальному проекту

Этап 1. Установка Kali Linux

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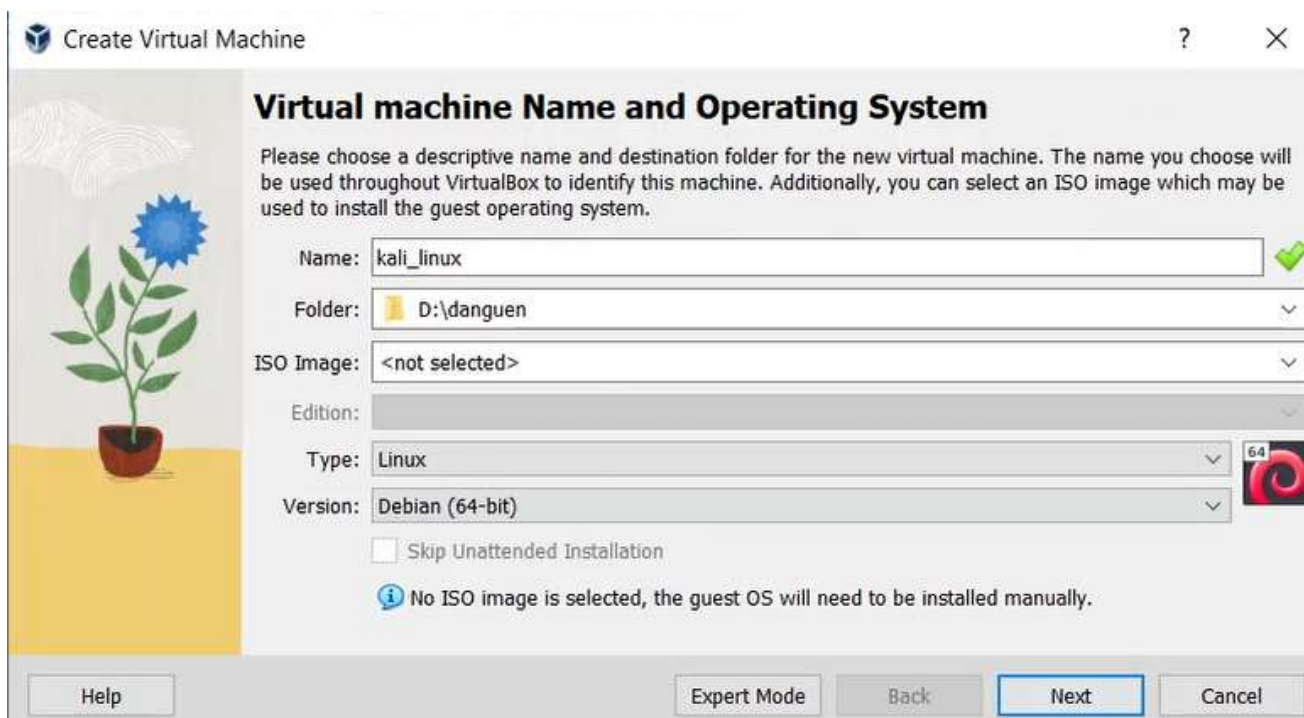
Цель работы

Установить операционную систему на виртуальную машину.

Установить операционную систему Kali Linux на VirtualBox

- Создать новую виртуальную машину, указать название и тип операционной системы — Linux, Debian.
- Указать размер основной памяти виртуальной машины - 4096 МБ, и количество процессора - 2.
- Задавать размер диска — 25 ГБ.
- Добавить новый привод оптических дисков.

Установить операционную систему Kali Linux на VirtualBox



Create Virtual Machine

Virtual machine Name and Operating System

Please choose a descriptive name and destination folder for the new virtual machine. The name you choose will be used throughout VirtualBox to identify this machine. Additionally, you can select an ISO image which may be used to install the guest operating system.

Name: ✓

Folder:


ISO Image:

Edition:


Type: 64

Version:

☐ Skip Unattended Installation

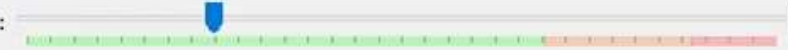

 No ISO image is selected, the guest OS will need to be installed manually.

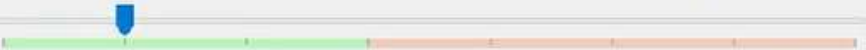

Help Expert Mode Back **Next** Cancel



Hardware


You can modify virtual machine's hardware by changing amount of RAM and virtual CPU count. Enabling EFI is also possible.

Base Memory:  4096 MB 

Processors:  2 

☐ Enable EFI (special OSes only)

Help Back Next Cancel



Virtual Hard disk

If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select an existing one. Alternatively you can create a virtual machine without a virtual hard disk.

☒ Create a Virtual Hard Disk Now

Disk Size:

4.00 MB 2.00 TB

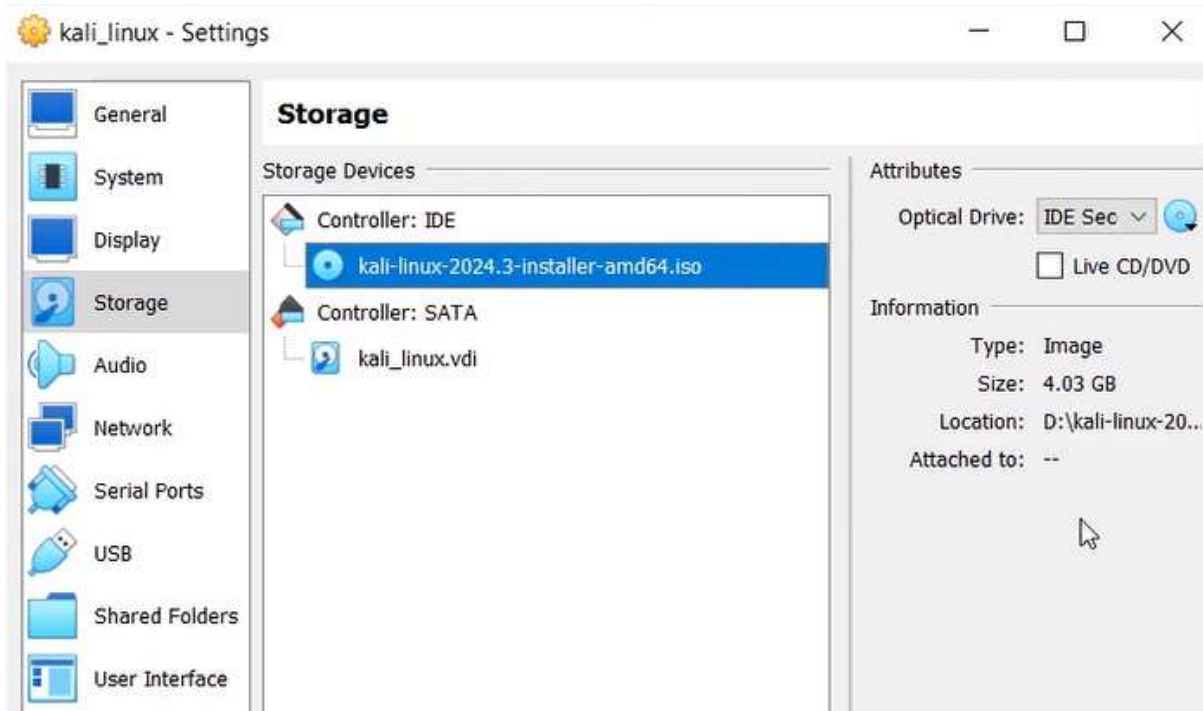
☐ Pre-allocate Full Size

☐ Use an Existing Virtual Hard Disk File

rocky_linux.vdi (Normal, 60.00 GB)

☐ Do Not Add a Virtual Hard Disk

Help Back Next Cancel



Настроить систему для работы

- Выбрать вариант графической установки
- В разделе «Настройка сети» вводить имя хоста системы
- Вводить доменное имя
- Создать учетную запись пользователя, указав его полное имя и имя пользователя
- Создать пароль для учетной записи пользователя
- Выбрать способ разбиения жесткого диска
- Выбрать диск, который использовать для разбиения
- Выбрать схему разбиения

Настроить систему для работы

- Затем выбрать опцию “Finish partitioning and write changes to disk option”, потом начинаю установку Kali
- Выбрать среду рабочего стола и инструменты
- Установить загрузчик GRUB на жесткий диск
- Выбрать устройство загрузчика, чтобы убедиться, что вновь установленная система является загрузочной
- Когда установка Kali завершится, появится сообщение «Установка завершена». Нажать «Продолжить», чтобы перезагрузить виртуальную машину

Настроить систему для работы





Configure the network

Please enter the hostname for this system.

The hostname is a single word that identifies your system to the network. If you don't know what your hostname should be, consult your network administrator. If you are setting up your own home network, you can make something up here.

Hostname:



Configure the network

The domain name is the part of your Internet address to the right of your host name. It is often something that ends in .com, .net, .edu, or .org. If you are setting up a home network, you can make something up, but make sure you use the same domain name on all your computers.

Domain name:

danguen.localdomain|



Set up users and passwords

Select a username for the new account. Your first name is a reasonable choice. The username should start with a lower-case letter, which can be followed by any combination of numbers and more lower-case letters.

Username for your account:



Set up users and passwords

Make sure to select a strong password that cannot be guessed.

Choose a password for the new user:

●●●●●●●●●●

☐ Show Password in Clear

Please enter the same user password again to verify you have typed it correctly.

Re-enter password to verify:

●●●●●●●●●●

☐ Show Password in Clear



Partition disks

The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.

If you choose guided partitioning for an entire disk, you will next be asked which disk should be used.

Partitioning method:

Guided - use entire disk

Guided - use entire disk and set up LVM

Guided - use entire disk and set up encrypted LVM

Manual



Partition disks

Note that all data on the disk you select will be erased, but not before you have confirmed that you really want to make the changes.

Select disk to partition:

SCSI3 (0,0,0) (sda) - 26.8 GB ATA VBOX HARDDISK



Partition disks

Selected for partitioning:

SCSI3 (0,0,0) (sda) - ATA VBOX HARDDISK: 26.8 GB

The disk can be partitioned using one of several different schemes. If you are unsure, choose the first one.

Partitioning scheme:

All files in one partition (recommended for new users)

Separate /home partition

Separate /home, /var, and /tmp partitions



Software selection

At the moment, only the core of the system is installed. The default selections below will install Kali Linux with its standard desktop environment and the default tools.

You can customize it by choosing a different desktop environment or a different collection of tools.

Choose software to install:

- ☒ Desktop environment [selecting this item has no effect]
- ☒ ... Xfce (Kali's default desktop environment)
- ☐ ... GNOME
- ☐ ... KDE Plasma
- ☒ Collection of tools [selecting this item has no effect]
- ☒ ... top10 -- the 10 most popular tools
- ☒ ... default -- recommended tools (available in the live system)



Install the GRUB boot loader

It seems that this new installation is the only operating system on this computer. If so, it should be safe to install the GRUB boot loader to your primary drive (UEFI partition/boot record).

Warning: If your computer has another operating system that the installer failed to detect, this will make that operating system temporarily unbootable, though GRUB can be manually configured later to boot it.

Install the GRUB boot loader to your primary drive?

☐ No

☒ Yes



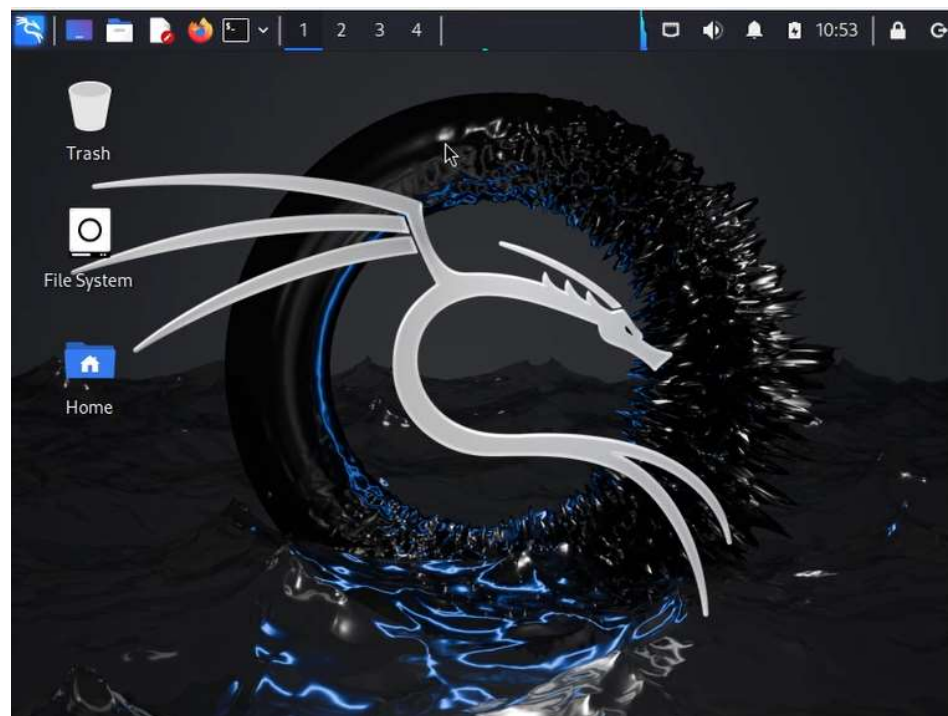
Install the GRUB boot loader

You need to make the newly installed system bootable, by installing the GRUB boot loader on a bootable device. The usual way to do this is to install GRUB to your primary drive (UEFI partition/boot record). You may instead install GRUB to a different drive (or partition), or to removable media.

Device for boot loader installation:

Enter device manually

`/dev/sda (ata-VBOX_HARDDISK_VBd58be1c4-8c050707)`



Вывод

После лабораторной работы я установил операционную систему Kali Linux на виртуальную машину.