Task 1: Lab Setup

## 1.   Install kali-Linux with VMware:

To install kali-Linux on Windows using VMware virtualization software, a few prerequisites are necessary.

1.1   Prerequisites

- Enable hardware virtualization in the computer's BIOS
- VMware Workstation 17 PRO Free
- Kali Linux ISO

## 2.   Download and install VMware Workstation Player Free:

1. We proceed to download VMware Workstation Player from :
   `https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html`
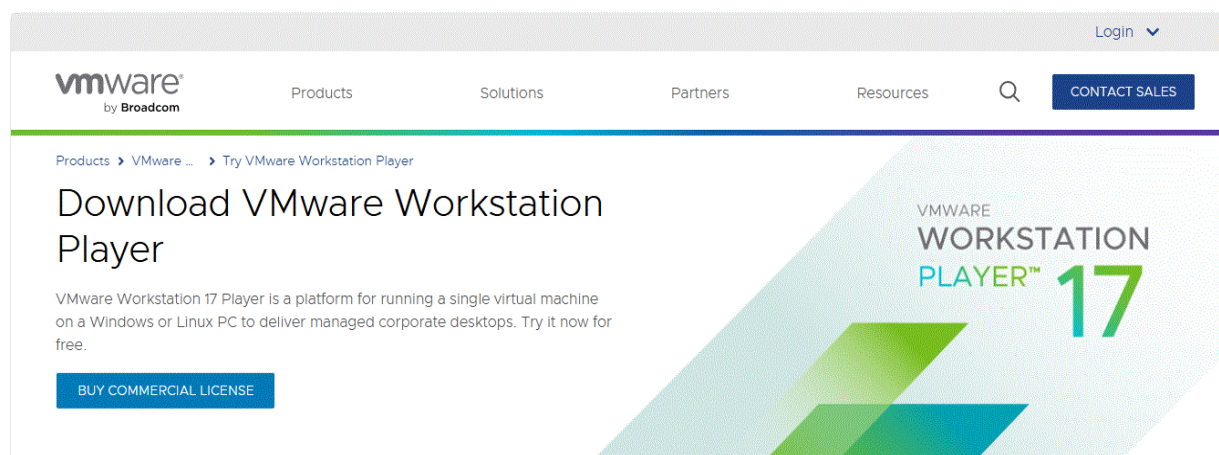
2.   The installation of VMware is no different from other programs: "Next," "Next," "Upgrade."

3. We wait for a few moments during the installation process. We click on "Finish" once the installation is complete.
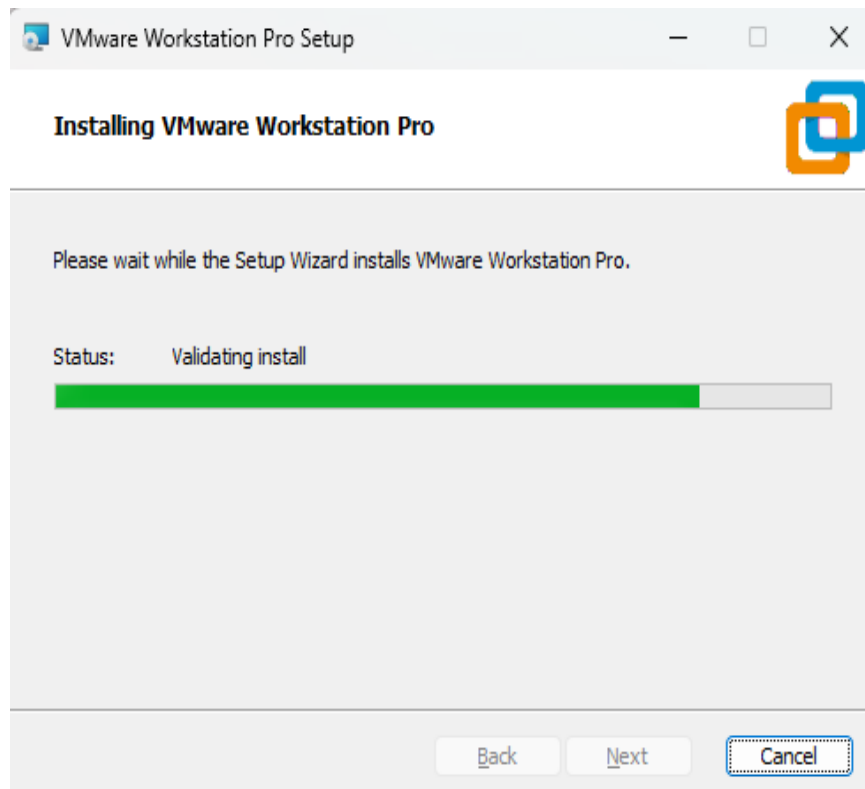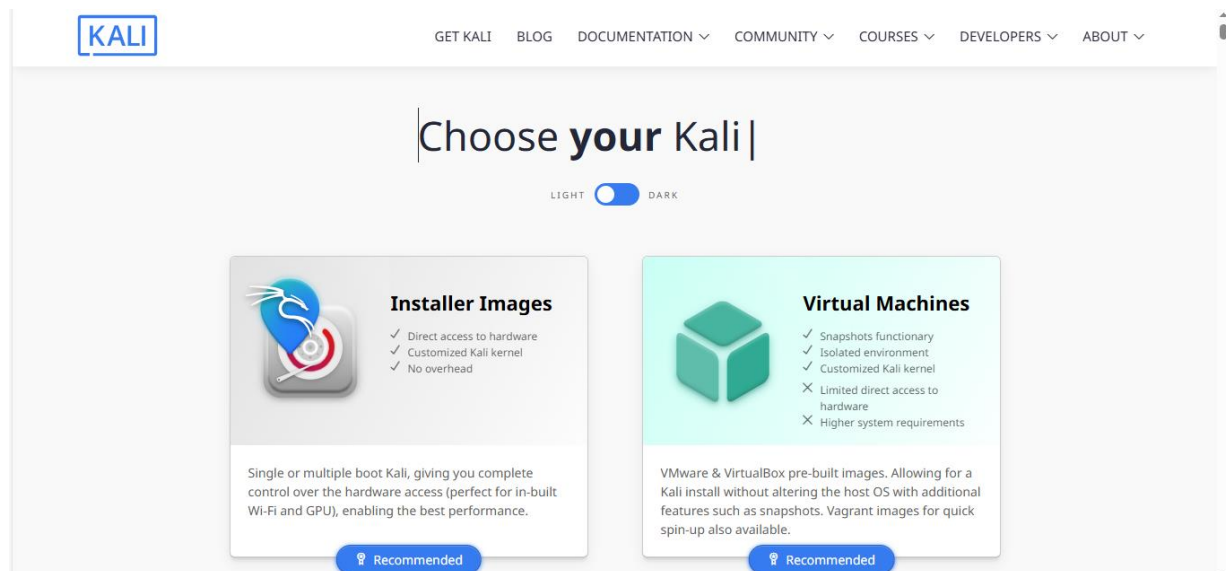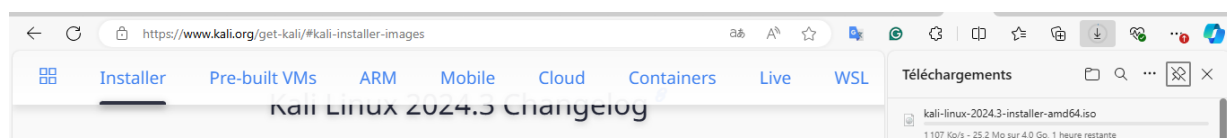
5. Then we finish the installation of VMware
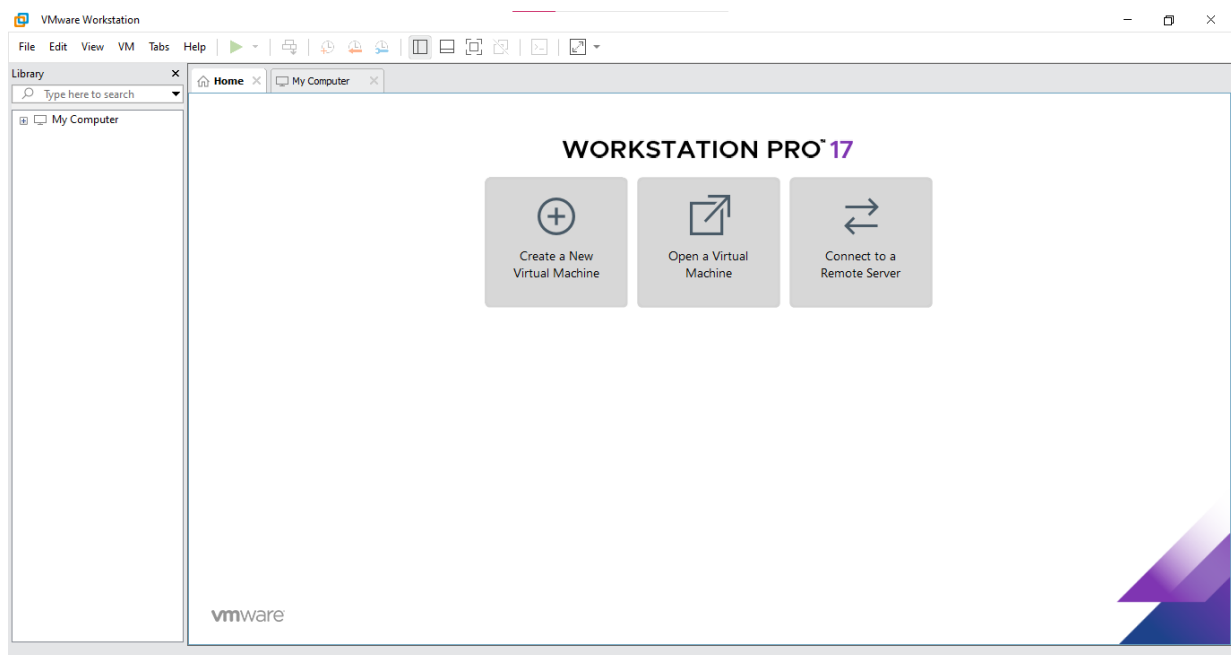
3. Download the kali Linux ISO image:

1. We now download the kali-Linux ISO image from the official website:
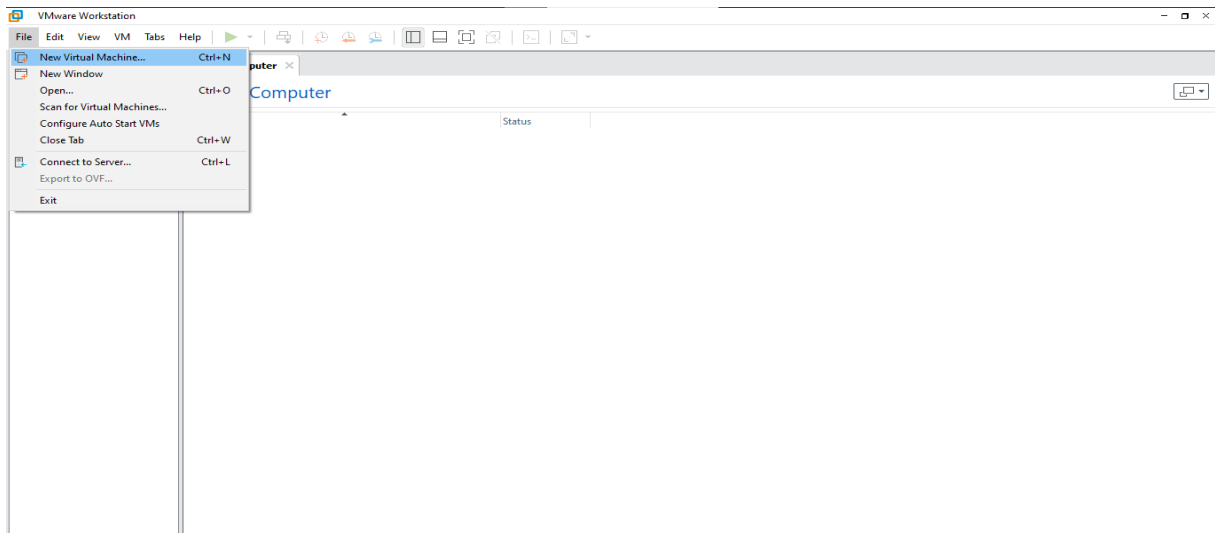
   https://www.kali.org

2. The download of the ISO image should then start automatically.
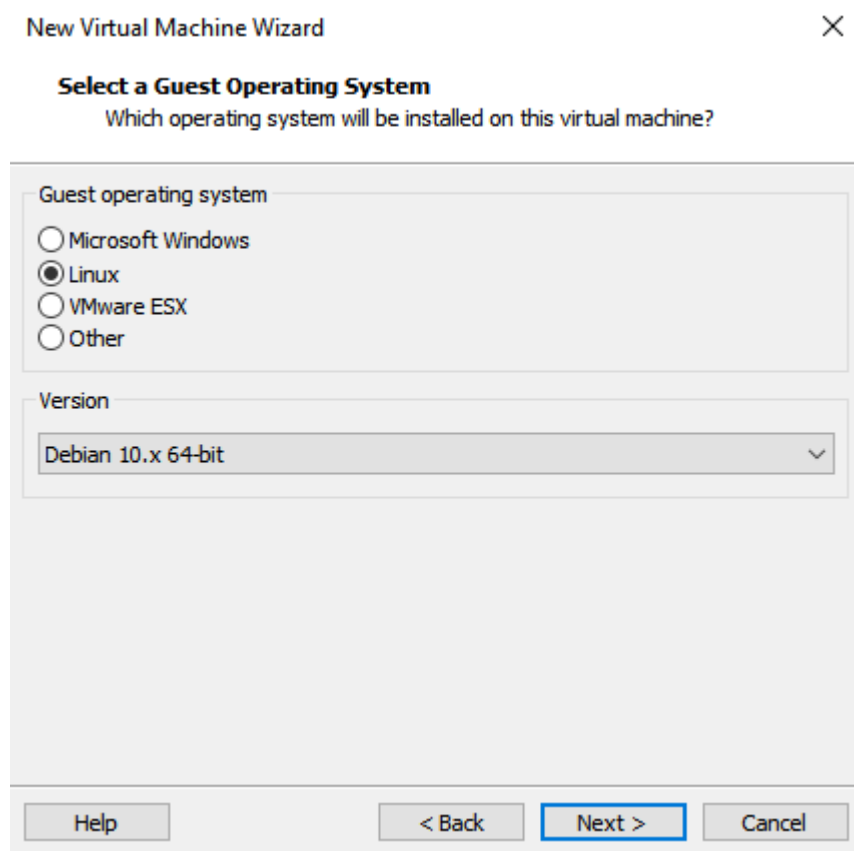
3. Installing kali-Linux in VMware

1. We can now proceed with the installation of kali-Linux. Let's launch the virtualisation software. On va maintenant créer une nouvelle machine virtuelle. To do this, we click on « Create a New Virtual Machine »:

2. We will check the box "Installer disc image file (iso)," then click "Next."
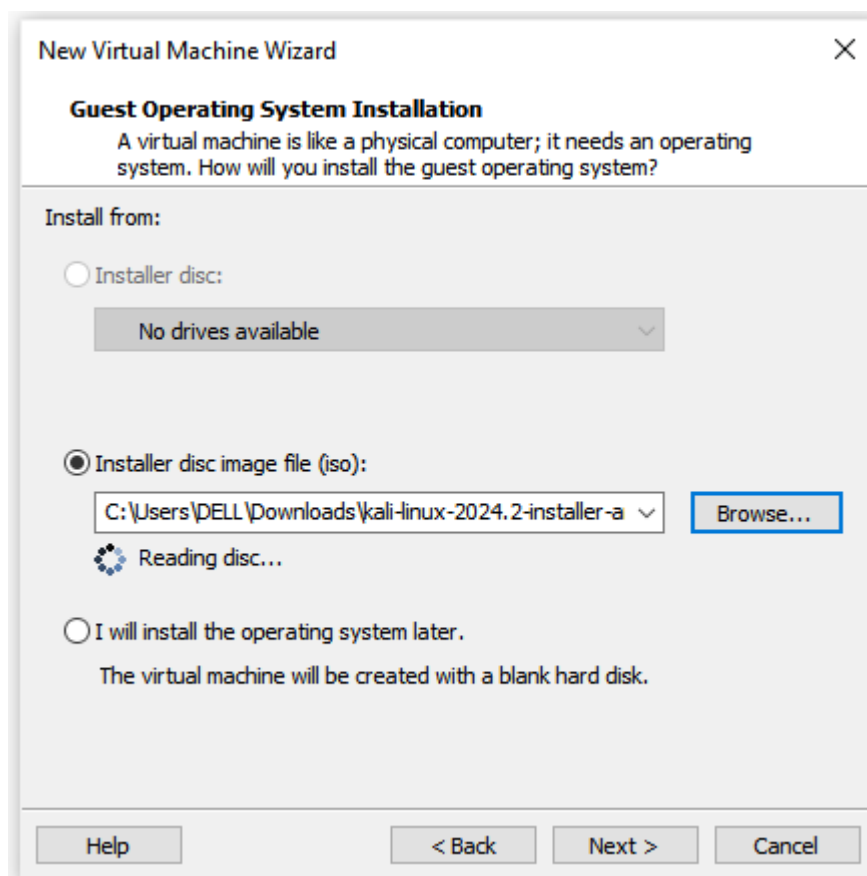
We can then choose the location of the virtual machine, and then click "Next."

New Virtual Machine Wizard   ✕

Select a Guest Operating System
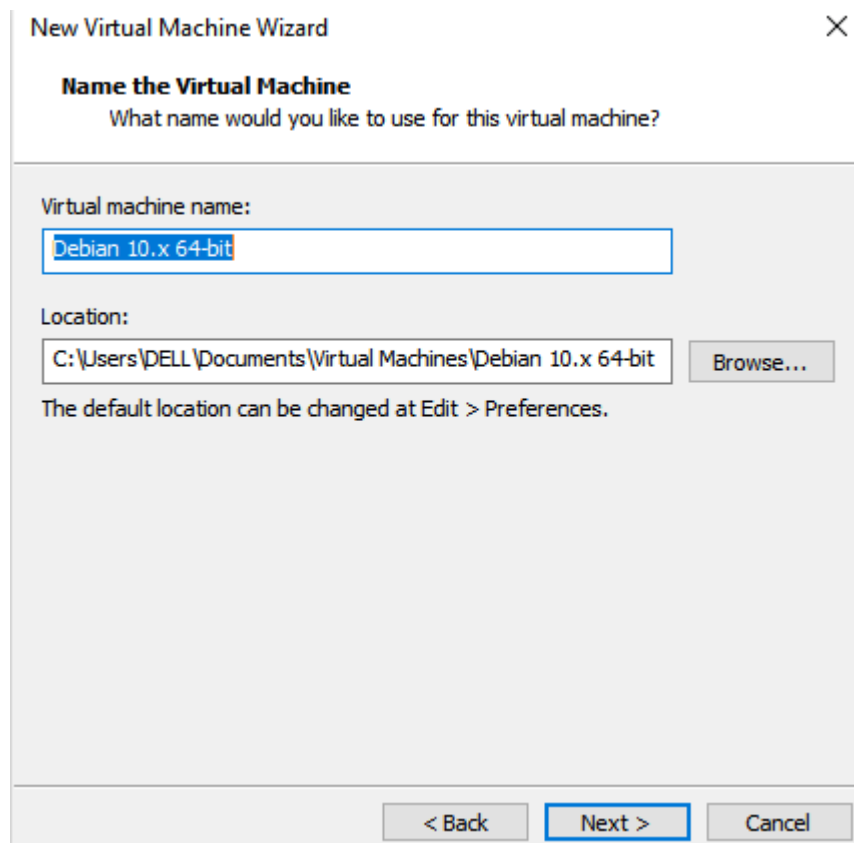Which operating system will be installed on this virtual machine?

Guest operating system
○ Microsoft Windows
◉ Linux
○ VMware ESX
○ Other

Version
Debian 10.x 64-bit   ⌄

Help   < Back   Next >   Cancel

New Virtual Machine Wizard   ✕

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
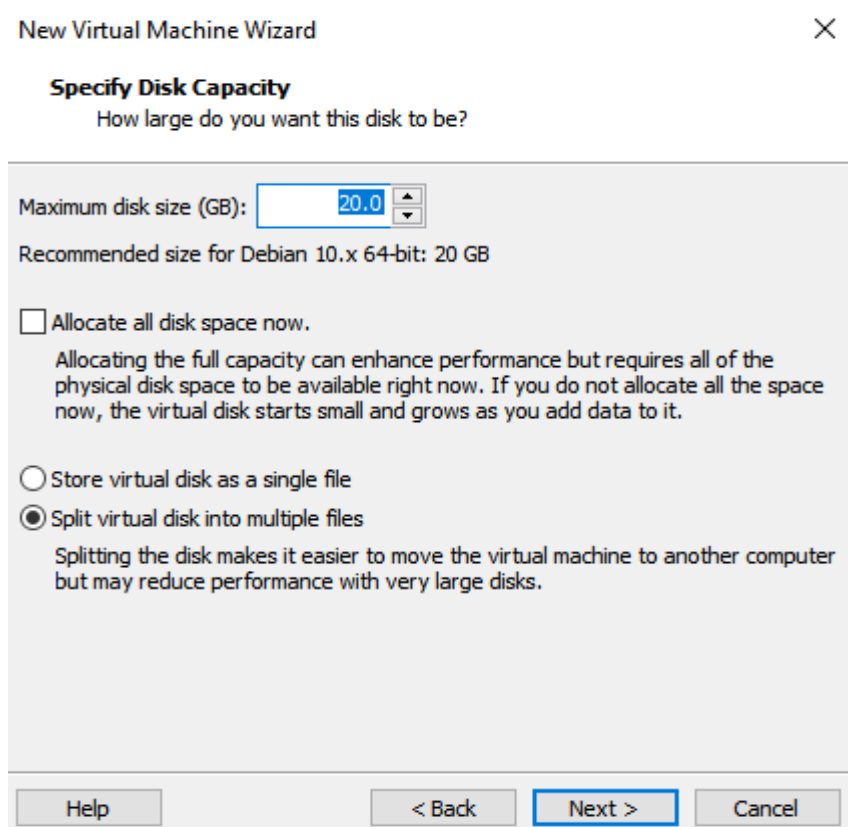Debian 10.x 64-bit

Location:
C:\Users\DELL\Documents\Virtual Machines\Debian 10.x 64-bit   Browse...

The default location can be changed at Edit > Preferences.

< Back   Next >   Cancel

Choose the disk capacity allocated to the virtual machine (minimum 20 GB), then check the box "Split virtual disk into multiple files," and click "Next."

New Virtual Machine Wizard   ✕

Specify Disk Capacity
How large do you want this disk to be?

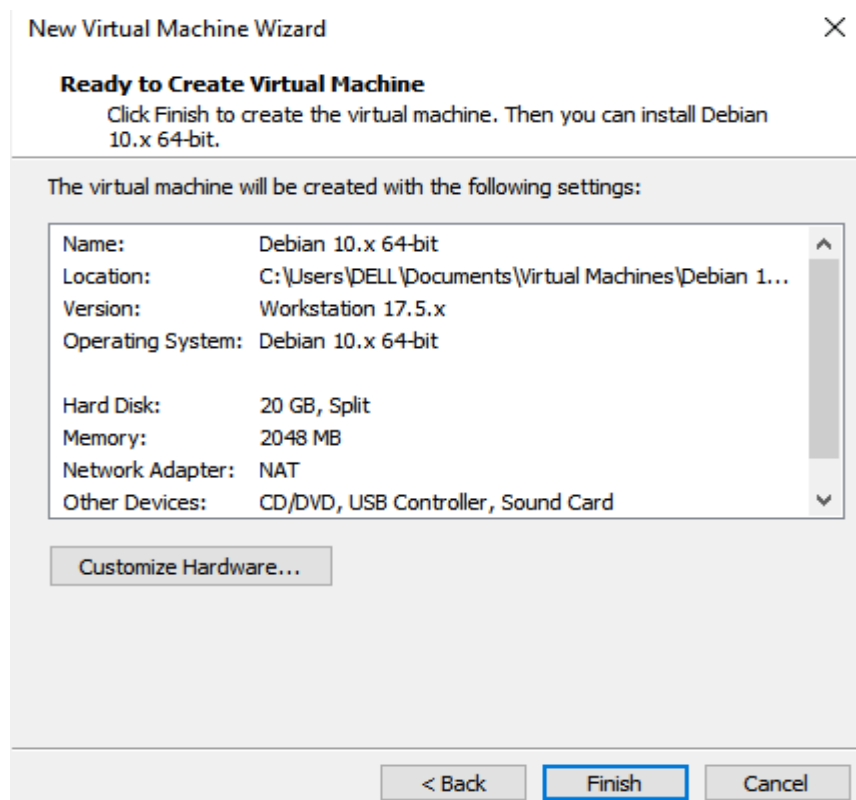Maximum disk size (GB):   20.0 ▲▼

Recommended size for Debian 10.x 64-bit: 20 GB

☐ Allocate all disk space now.

Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

○ Store virtual disk as a single file
◉ Split virtual disk into multiple files

Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help   < Back   Next >   Cancel

Finally, click "Finish" to complete the creation of the virtual machine.

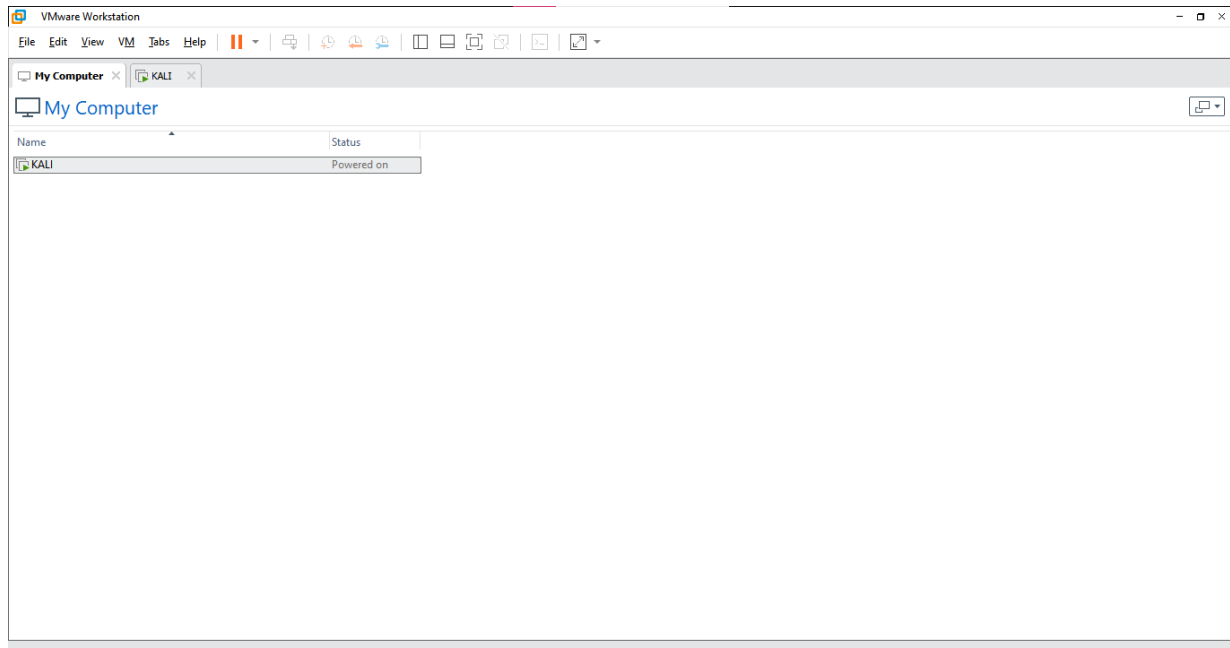New Virtual Machine Wizard   ✕

Ready to Create Virtual Machine
Click Finish to create the virtual machine. Then you can install Debian 10.x 64-bit.

The virtual machine will be created with the following settings:

Name: Debian 10.x 64-bit
Location: C:\Users\DELL\Documents\Virtual Machines\Debian 1...
Version: Workstation 17.5.x
Operating System: Debian 10.x 64-bit

Hard Disk: 20 GB, Split
Memory: 2048 MB
Network Adapter: NAT
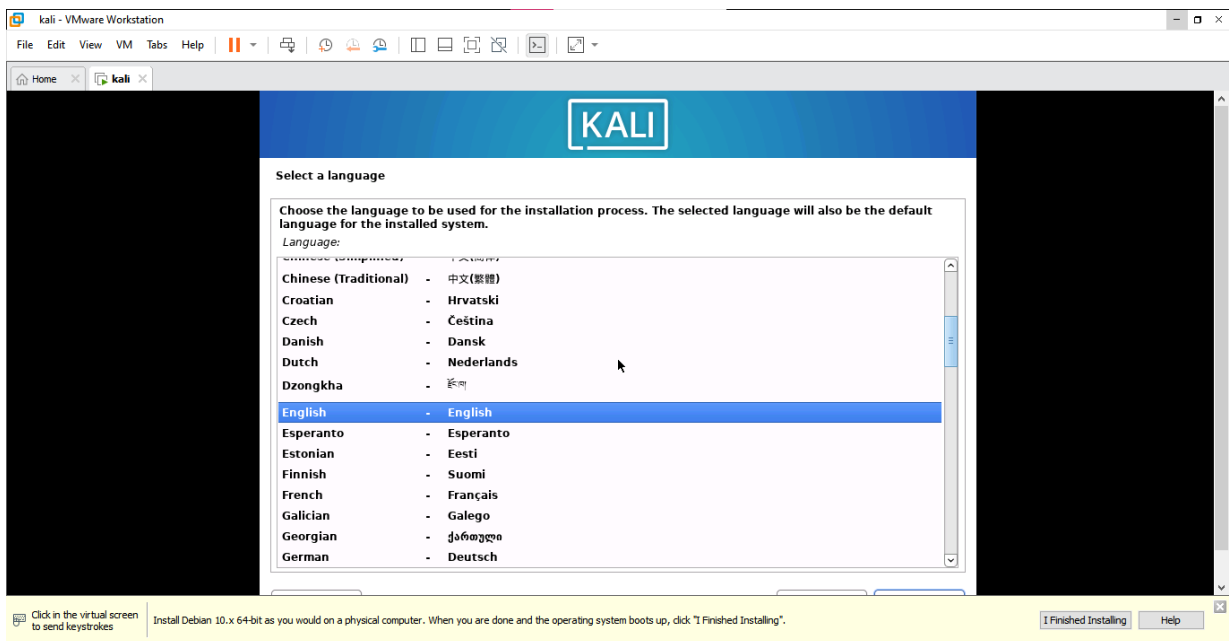Other Devices: CD/DVD, USB Controller, Sound Card
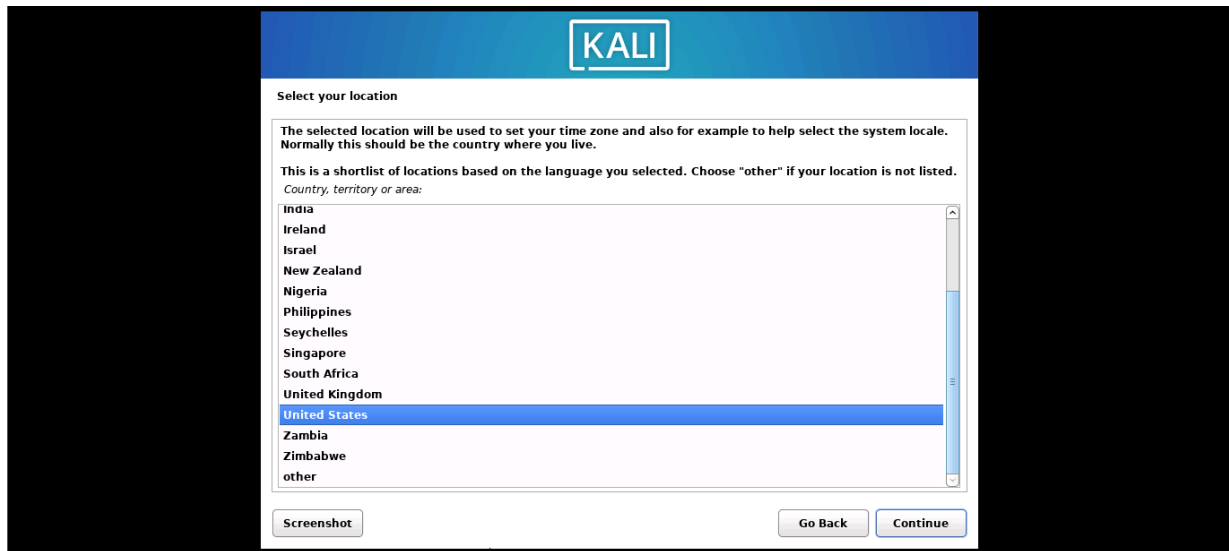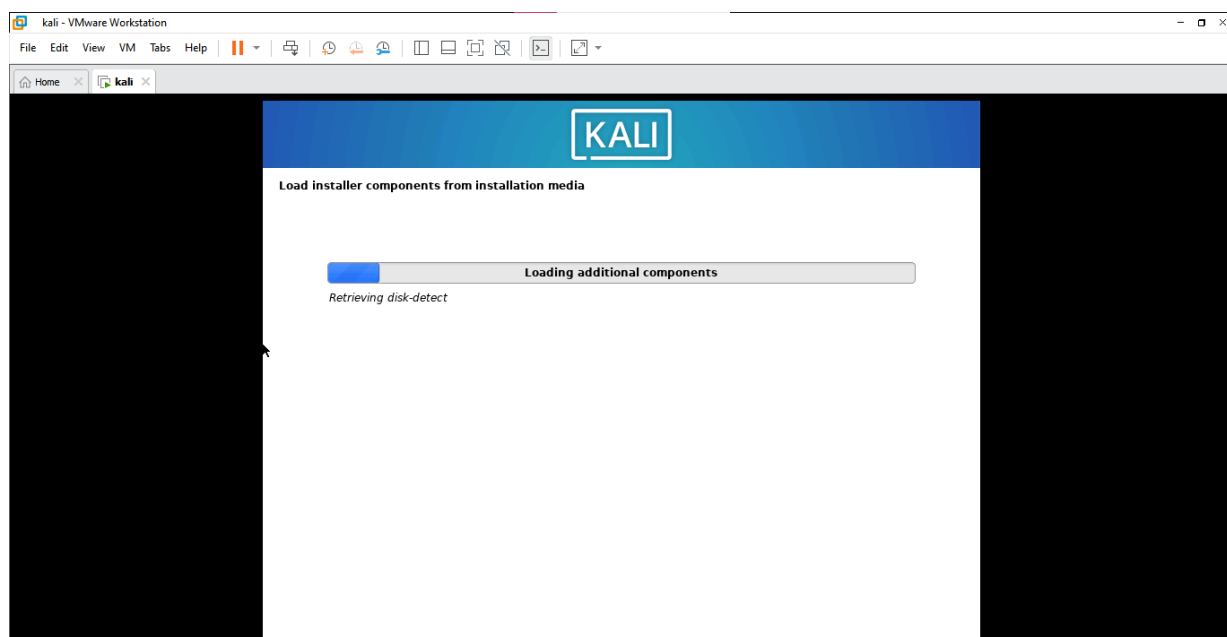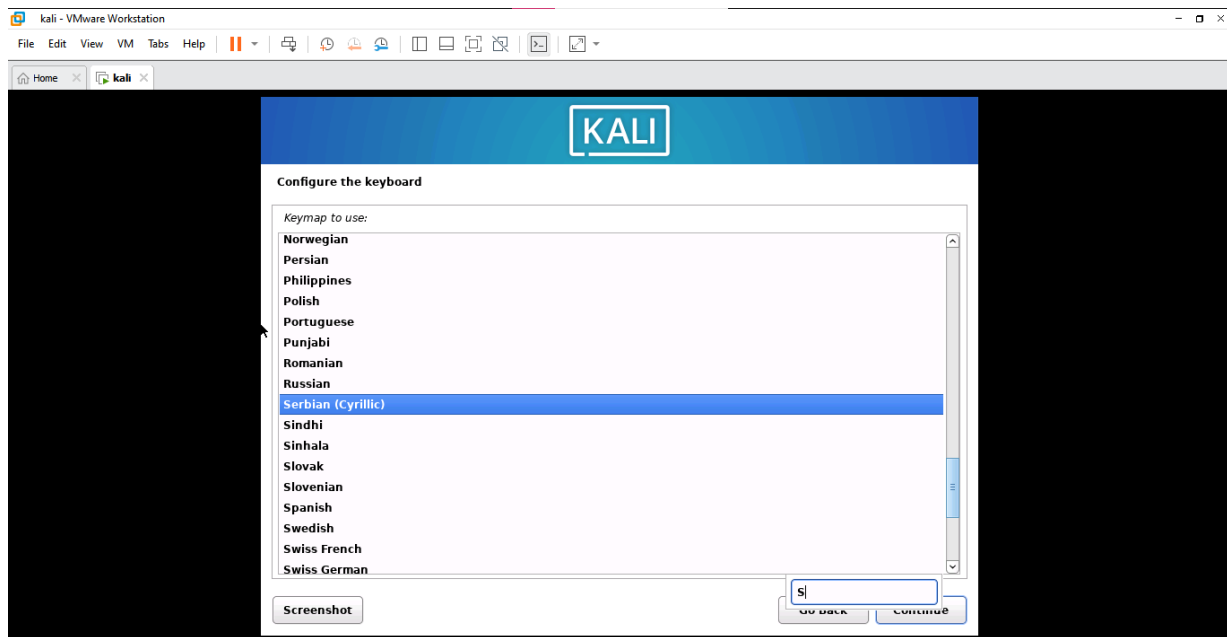
Customize Hardware...

< Back   Finish   Cancel
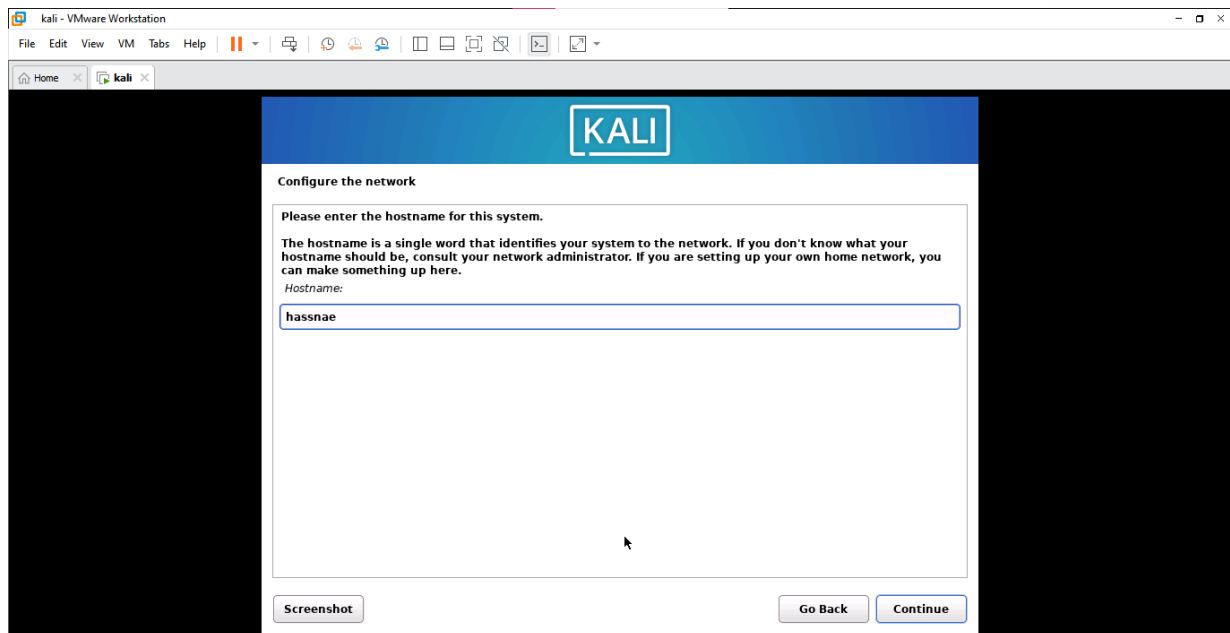
Power On the Virtual Machine

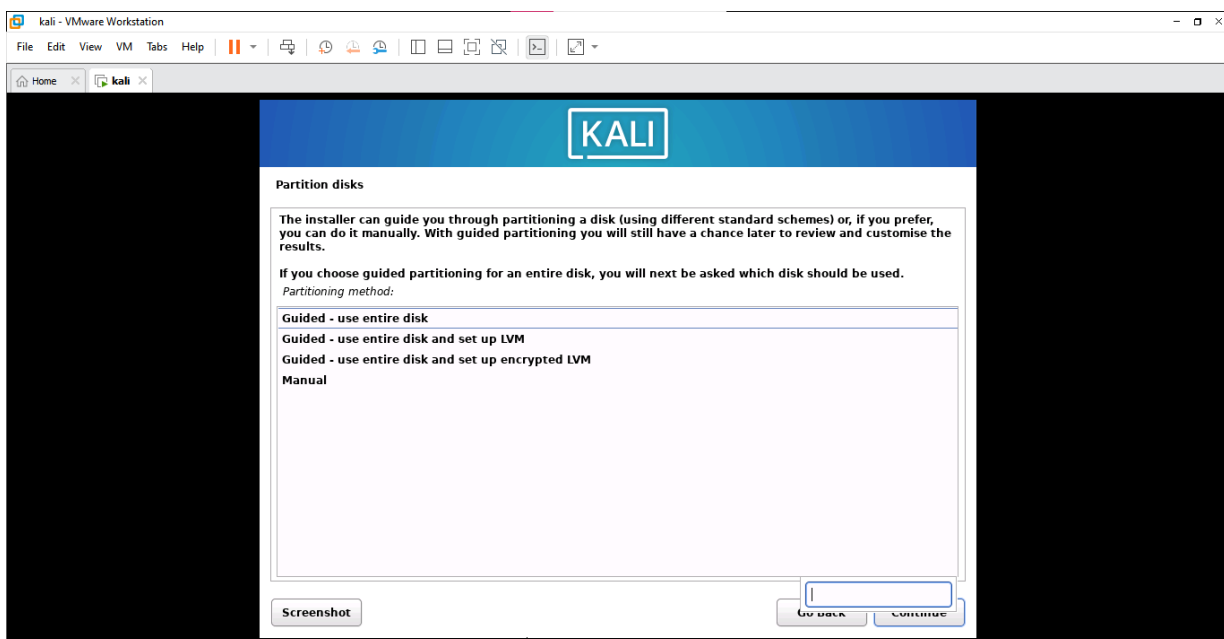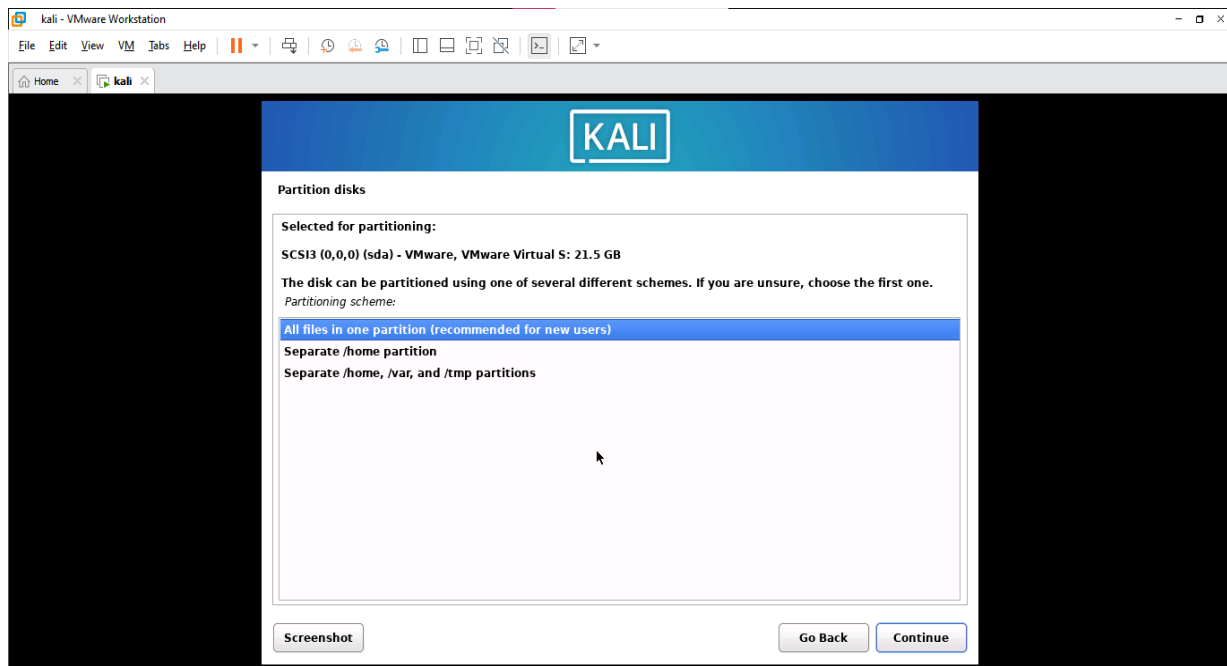Welcome, Kali Linux Virtual Machine

Select Keyboard Layout
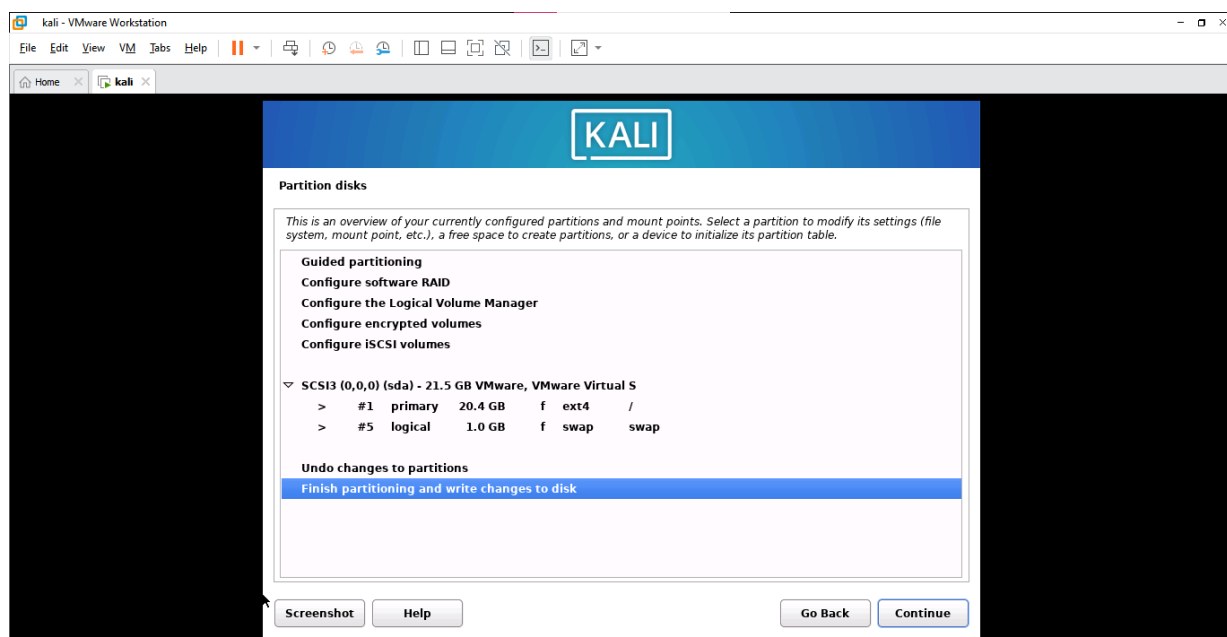
Enter the hostname for your Kali Linux machine
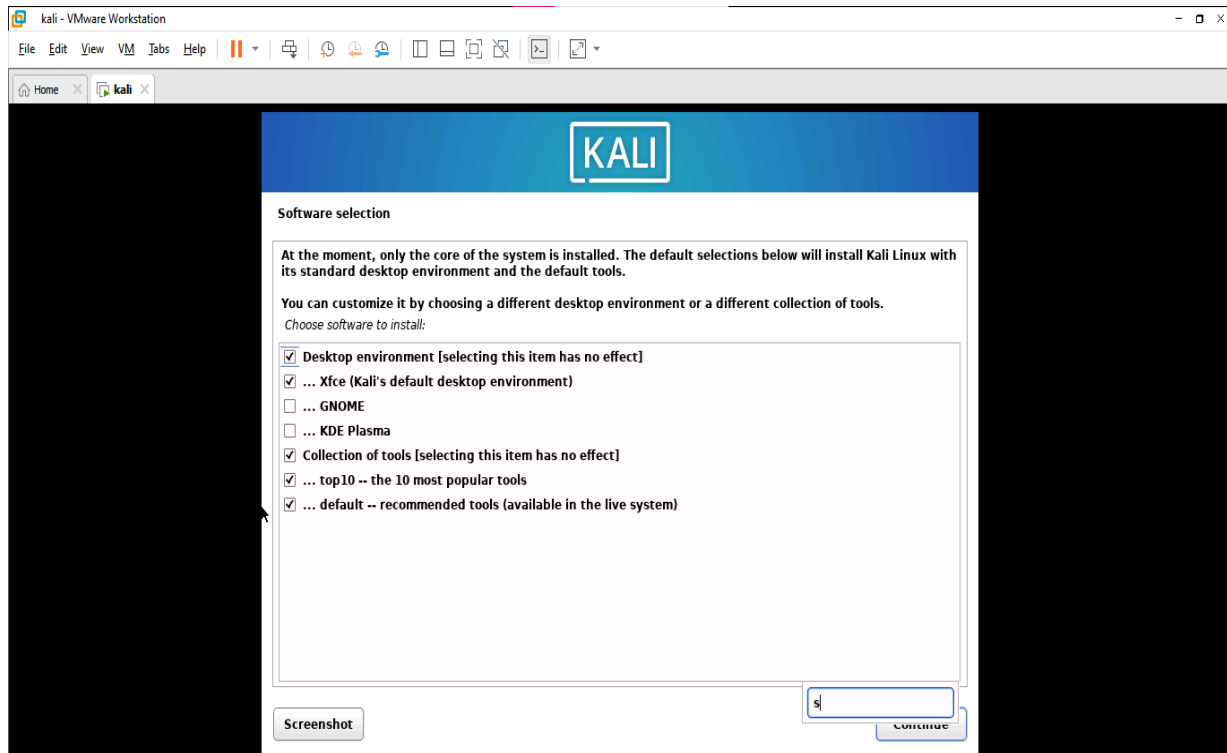
Partition the Disk:

We select Erase the Disk for auto partition. Or we select the Advance option to create the custom partition
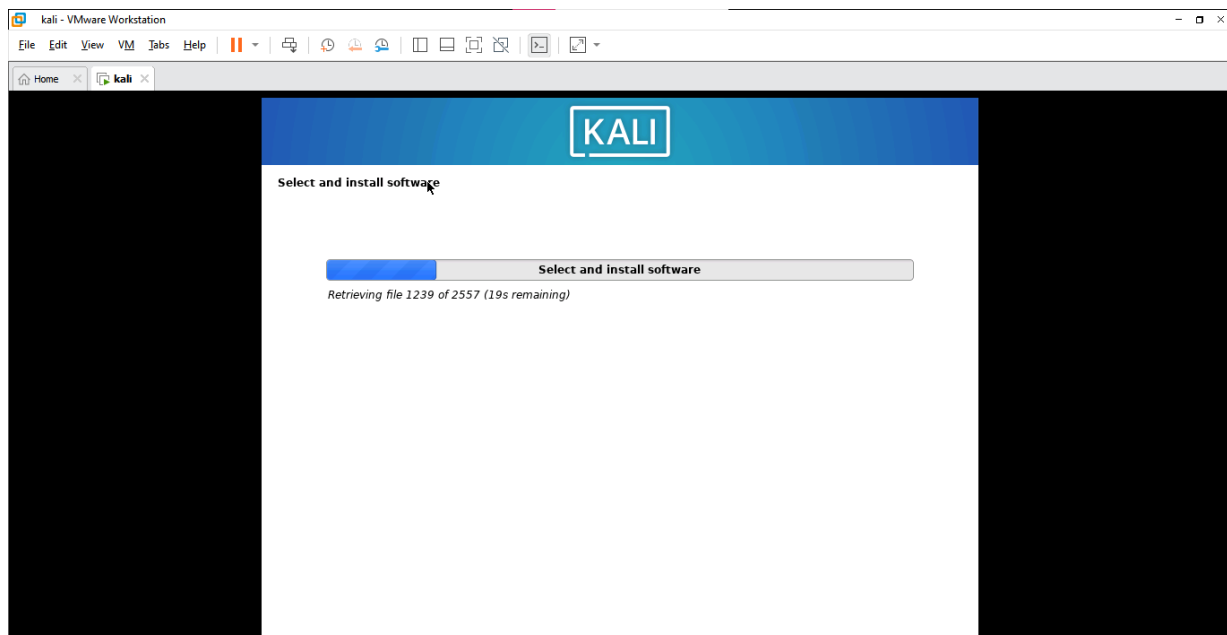
Finish Partitioning and Write Changes to Disk

Installation of Kali Linux in Progress

Install the GRUB boot loader

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

Screenshot   Go Back   Continue

Select the Drive to install GRUB:
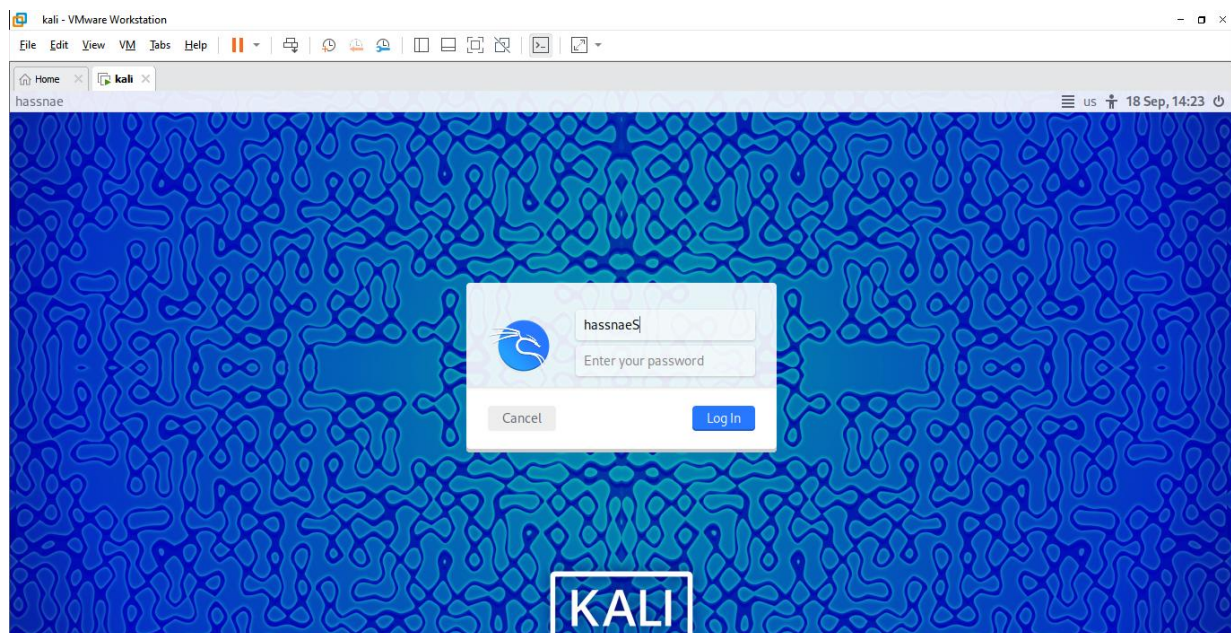
The installation procedure of Kali Linux has finished.
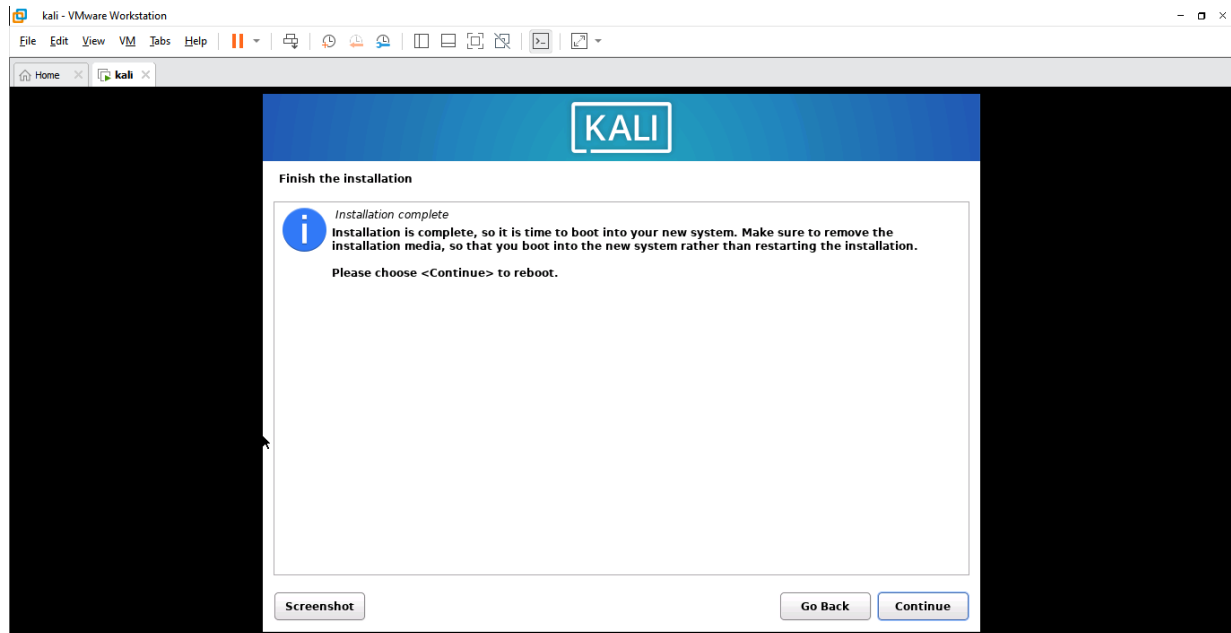
Login to the Kali Linux with the user account

Kali Linux Desktop after login