How to Install Kali Linux with VMware Fusion? [Step by Step Guide]

Netsparker Web Application Security Scanner – the only solution that delivers automatic verification of vulnerabilities with Proof-Based Scanning™.

By Chandan Kumar
on November 4, 2020

> Kali Linux comes with more than **600** preinstalled penetration/security tools.

Having these preinstalled makes Kali Linux a true penetration testing platform for the security engineer.

Tools are categorized as follows:-

- Information Gathering

- Sniffing & Spoofing

- Vulnerability Analysis

- Exploitation Tools

- Password Attacks

- Wireless Attacks

- Forensic Tools

- Maintaining Access

- Hardware Hacking

- Web Applications

- Stress Testing

- Reverse Engineering

- Reporting Tools

To see a complete list of tools – click here

In this article, I will explain how to **install Kali Linux** on VMWare Fusion.

Installation Requirements

- Disk Space – Minimum 10 GB

- Architecture – i386 or adm64

- RAM – Minimum 512 MB

Download Kali Linux ISO File

Download the necessary ISO file from the official download page. For this demo, I have installed it as highlighted below.

Image Name	Direct	Torrent	Size	Version	SHA1Sum
Kali Linux 64 bit	ISO	Torrent	3.1G	2.0	aaeb89a78f155377282f81a785aa1b38ee5f8ba0
Kali Linux 32 bit	ISO	Torrent	3.2G	2.0	6e5e6390b9d2f6a54bc980f50d6312d9c77bf30b
Kali Linux 64 bit Light	ISO	Torrent	0.8G	2.0	fc54f0b4b48ded247e5549d9dd9ee5f1465f24ab
Kali Linux 32 bit Light	ISO	Torrent	0.9G	2.0	bd9f8ee52e4d31fc2de0a77ddc239ea2ac813572
Kali Linux 64 bit mini	ISO	N/A	28M	2.0	5639928a1473b144d16d7ca3b9c71791925da23c
Kali Linux 32 bit mini	ISO	N/A	28M	2.0	4813ea0776612d4cc604dfe1eaf966aa381968ae
Kali Linux armel	Image	Torrent	2.1G	2.0	99a2b22bc866538756b824d3917d8ed62883ab12
Kali Linux armhf	Image	Torrent	2.0G	2.0	f57335aa7fb2f69db0271d82b82ede578cb1889e

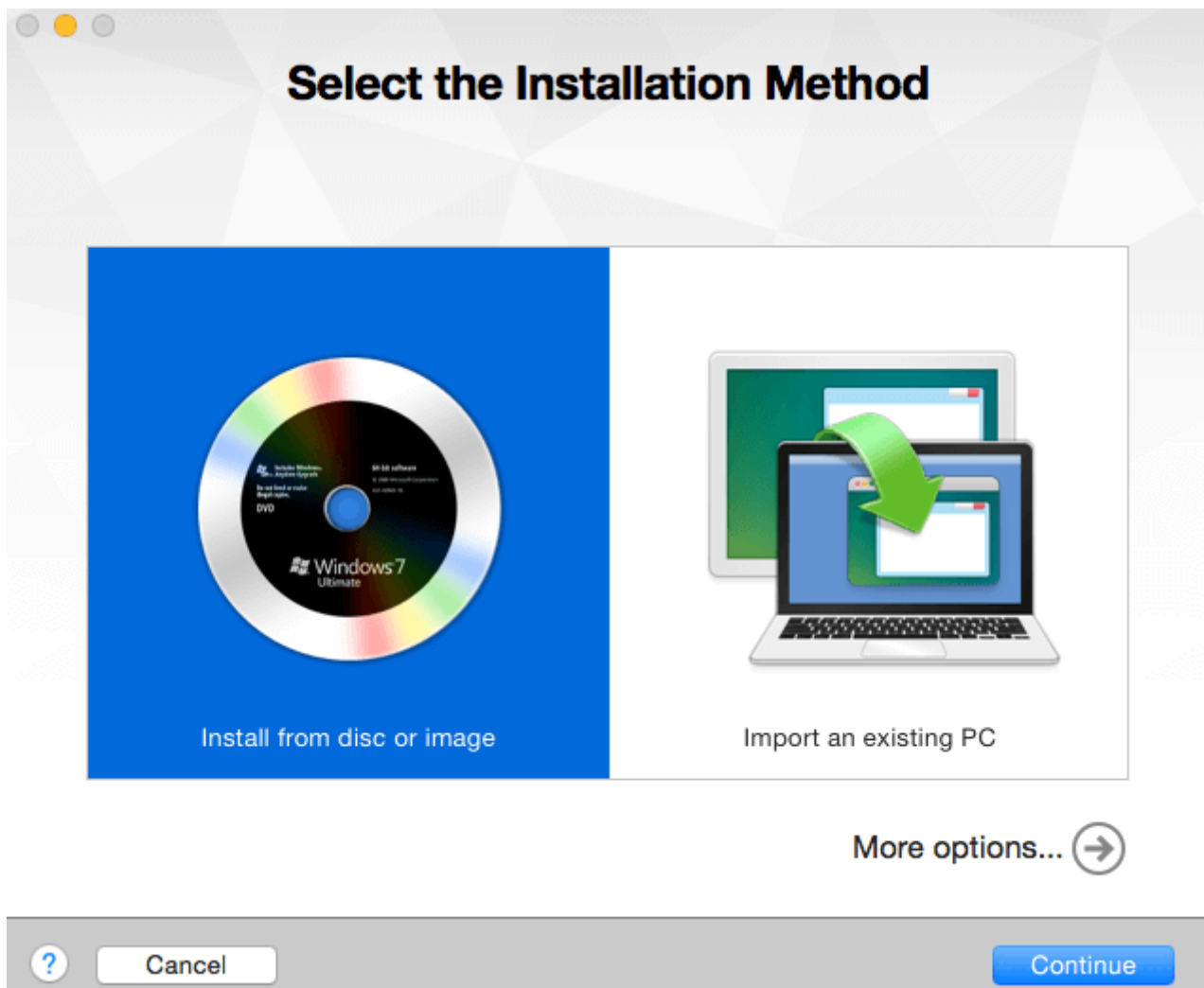Its more than 3 GB so based on the Internet speed, it may take a few minutes.

Installing Kali Linux

This assumes you have download **kali-linux-2.0-amd64.iso** and ready to install Kali Linux.
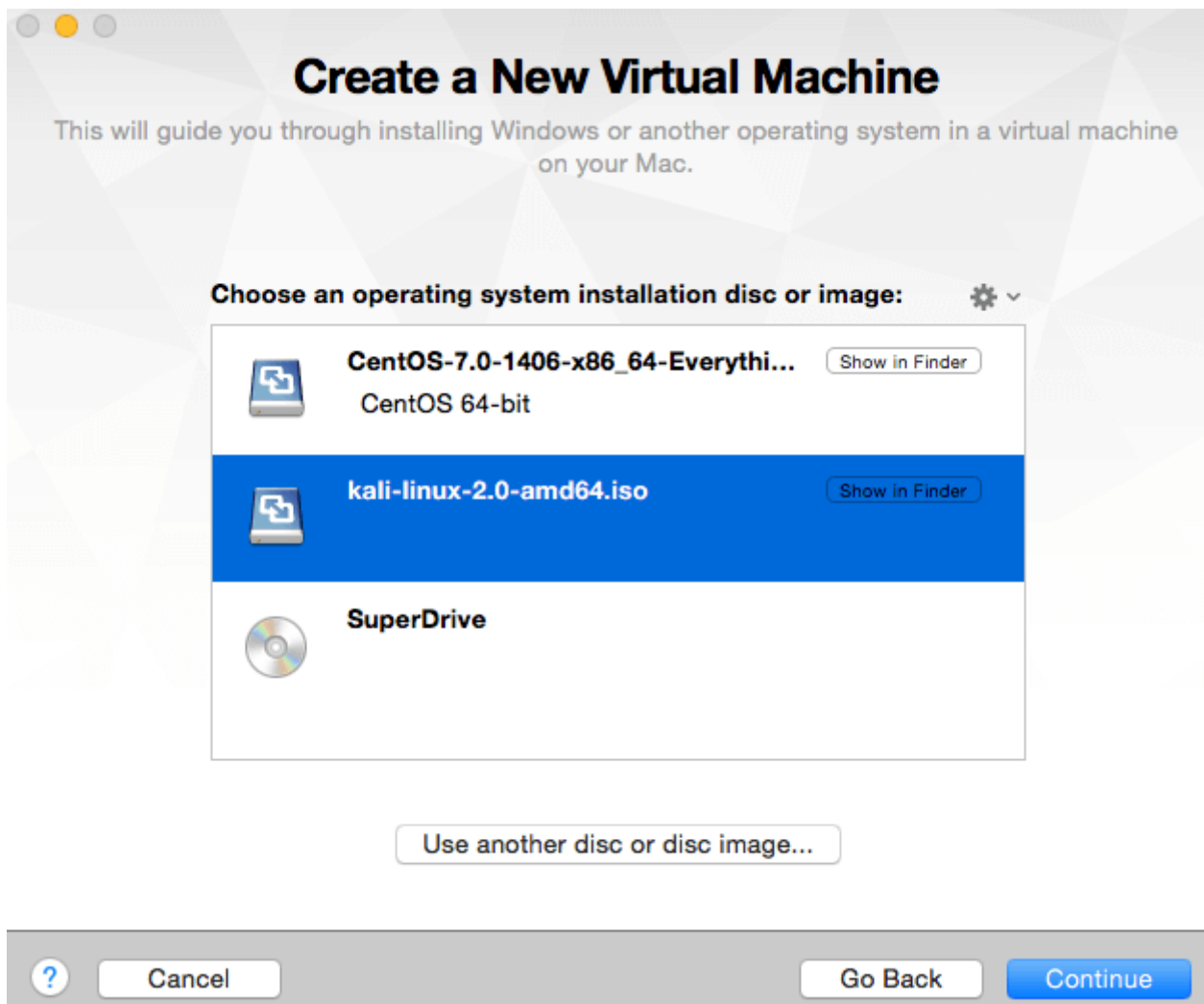
- Open VMWare Fusion on your PC (I am using MAC in this demo)
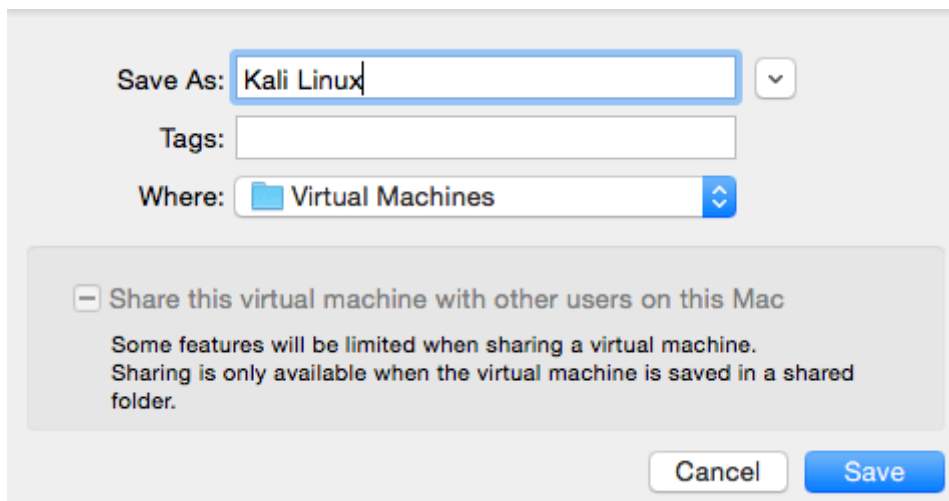
- Click on Add icon and New
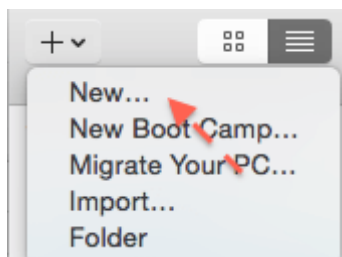
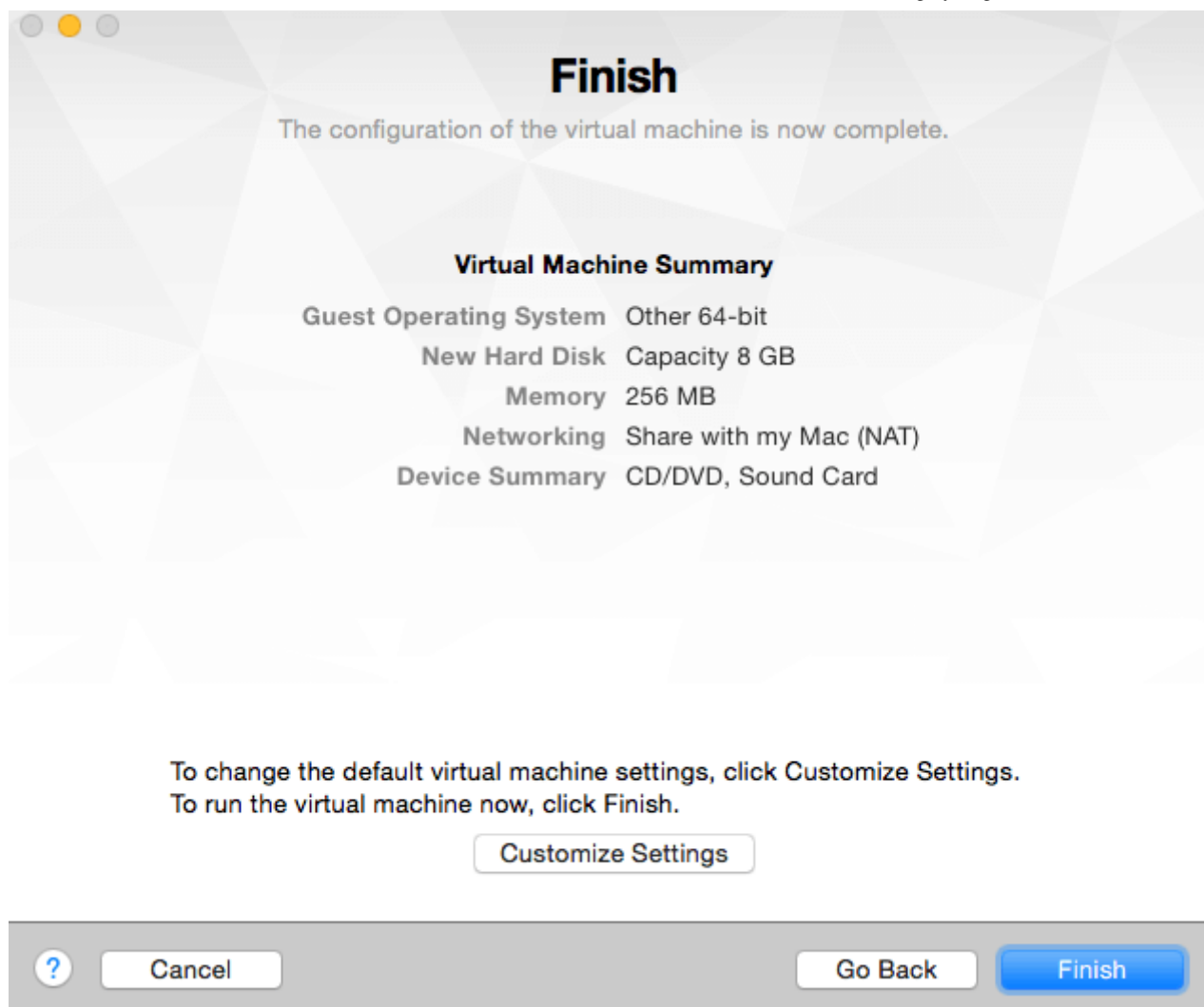- Select the installation method as "Install from disk or image" and click on Continue

- Click on "Use another disc or disc image" and locate the downloaded iso file. It will appear in the list as shown below, click on Continue

Create a New Virtual Machine

This will guide you through installing Windows or another operating system in a virtual machine on your Mac.

Choose an operating system installation disc or image:

⚙ ⌄

CentOS-7.0-1406-x86_64-Everythi...   [Show in Finder]
CentOS 64-bit

kali-linux-2.0-amd64.iso   [Show in Finder]

SuperDrive

[Use another disc or disc image...]

(?)   [Cancel]   [Go Back]   [Continue]

- Select Other >> Other 64-bit and click on Continue

Save As: Kali Linux   ⌄

Tags:

Where: 📁 Virtual Machines   ⇅

⊟ Share this virtual machine with other users on this Mac

Some features will be limited when sharing a virtual machine.
Sharing is only available when the virtual machine is saved in a shared folder.

[Cancel]   [Save]

- Here you will notice, I have hard disk capacity is 8 GB but the minimum requirement to install 10 GB so I will go to customize Settings and increase the hard disk space.
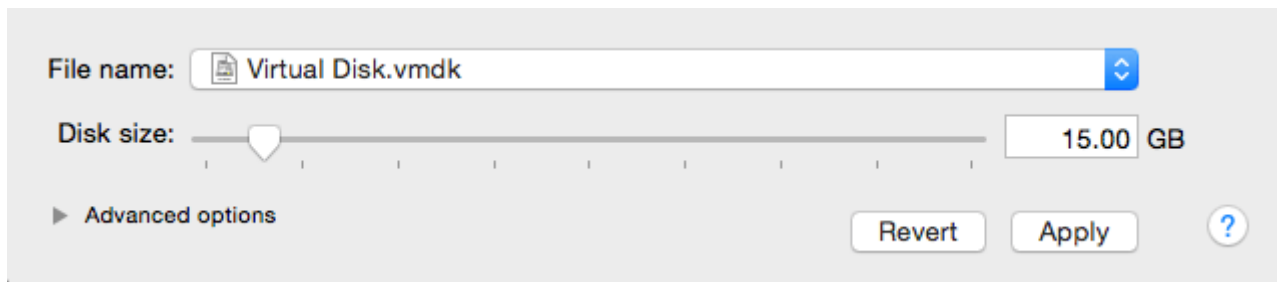
Finish

The configuration of the virtual machine is now complete.

Virtual Machine Summary

Guest Operating System   Other 64-bit
New Hard Disk   Capacity 8 GB
Memory   256 MB
Networking   Share with my Mac (NAT)
Device Summary   CD/DVD, Sound Card

To change the default virtual machine settings, click Customize Settings.
To run the virtual machine now, click Finish.

Customize Settings

? Cancel   Go Back   Finish

- Click on Customize Settings

- Enter the name and save it

Save As: Kali Linux

Tags:

Where: Virtual Machines

Share this virtual machine with other users on this Mac

Some features will be limited when sharing a virtual machine.
Sharing is only available when the virtual machine is saved in a shared
folder.

Cancel   Save

- Click on "Hard Disk (IDE)

System Settings

General	Sharing	Applications Menu	Keyboard & Mouse	Processors & Memory	Display

Removable Devices

Network Adapter	Hard Disk (IDE)	CD/DVD (IDE)	Sound Card	USB & Bluetooth

Other

Startup Disk	Encryption & Restrictions	Compatibility	Isolation	Advanced

- I will increase to 15 GB and click on Apply

File name: Virtual Disk.vmdk

Disk size: _____ 15.00 GB

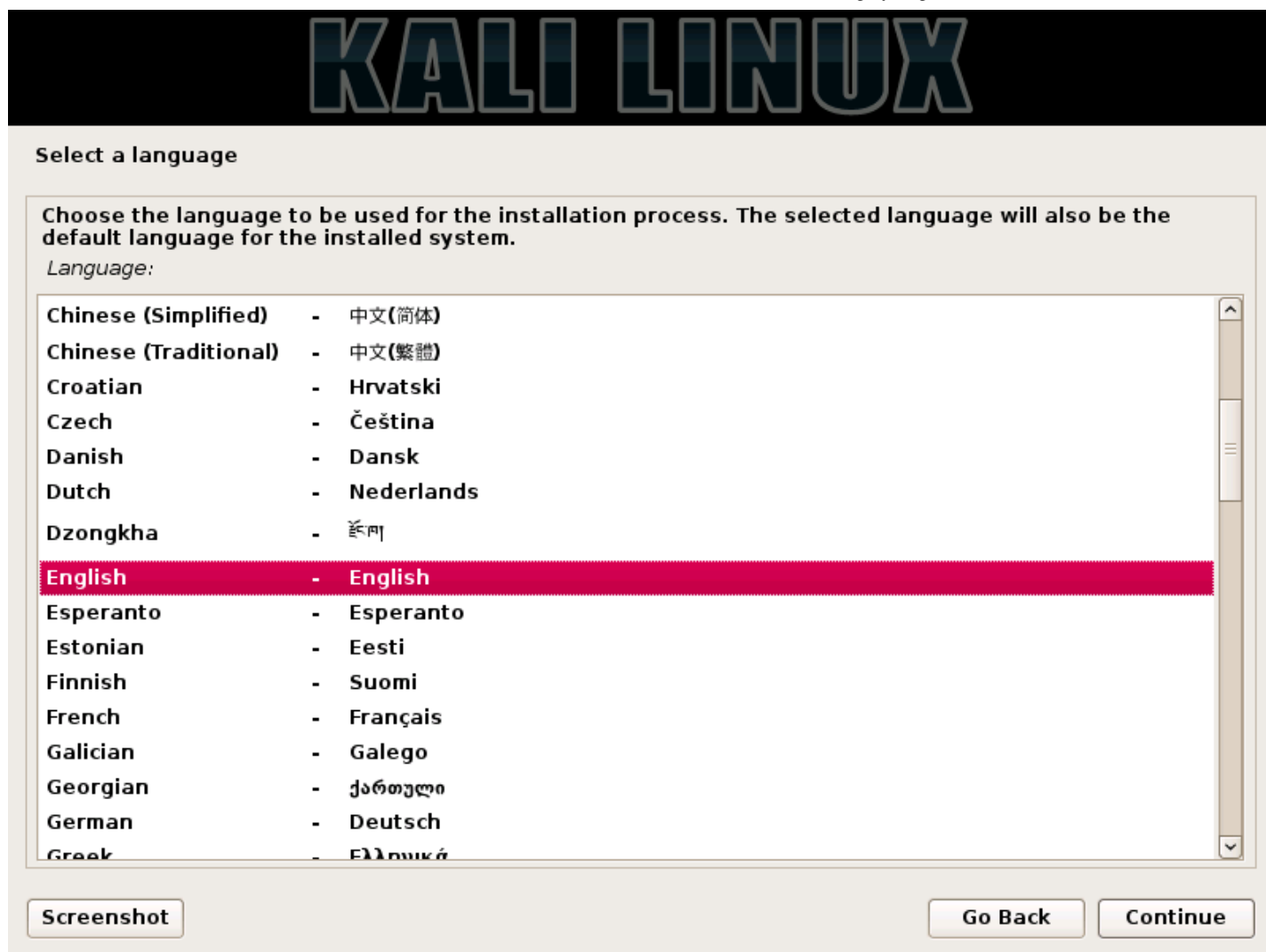▶ Advanced options   Revert   Apply   ?

- Click on the Play button to begin the installation
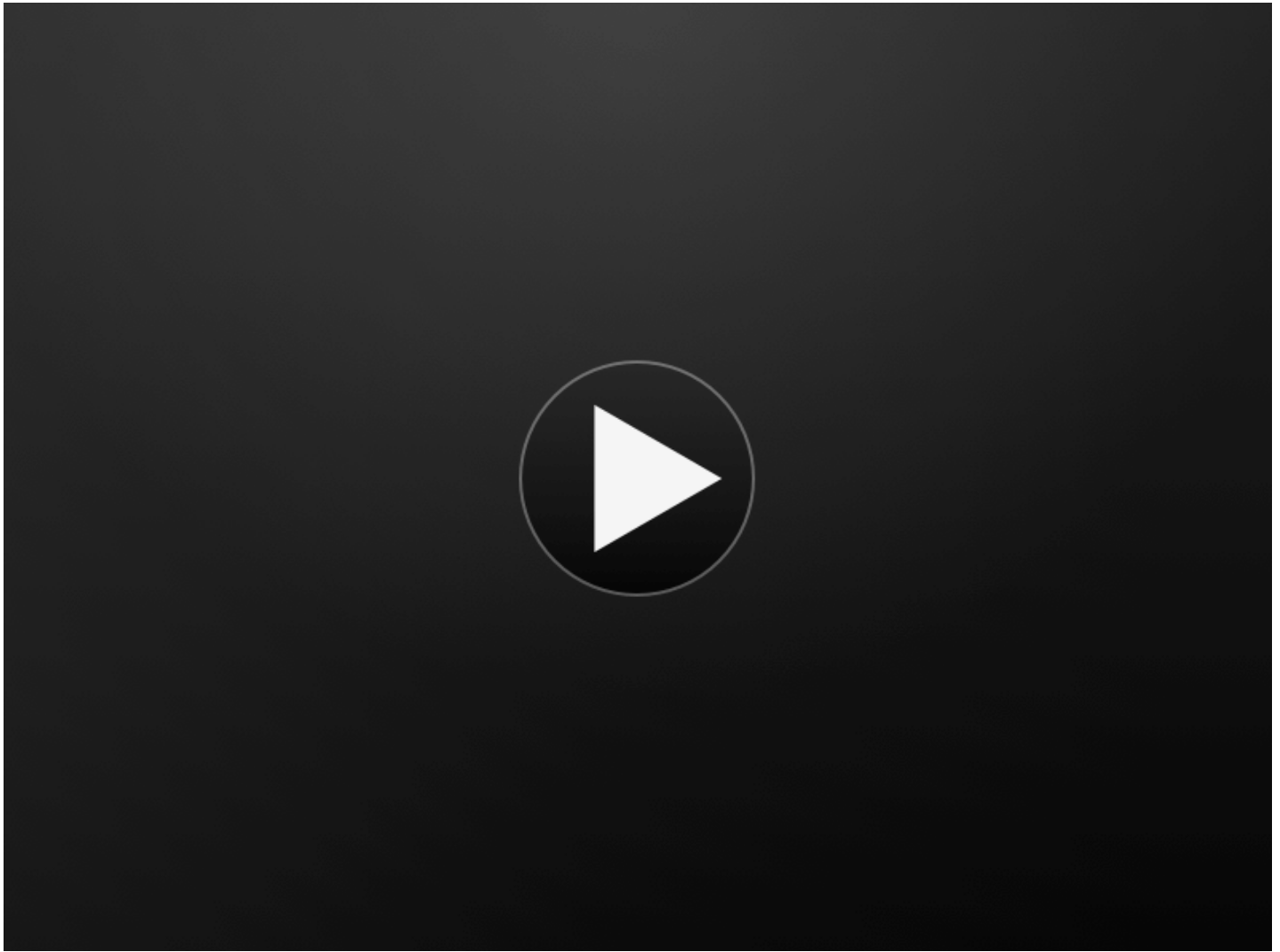
- You will be greeted with the following screen when I will select "Graphical Install" and press enter to proceed with the installation

- Select the language and click on Continue

- Select the location then continue

KALI LINUX

Select your location

The selected location will be used to set your time zone and also for example to help select the system locale. Normally this should be the country where you live.

This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed.
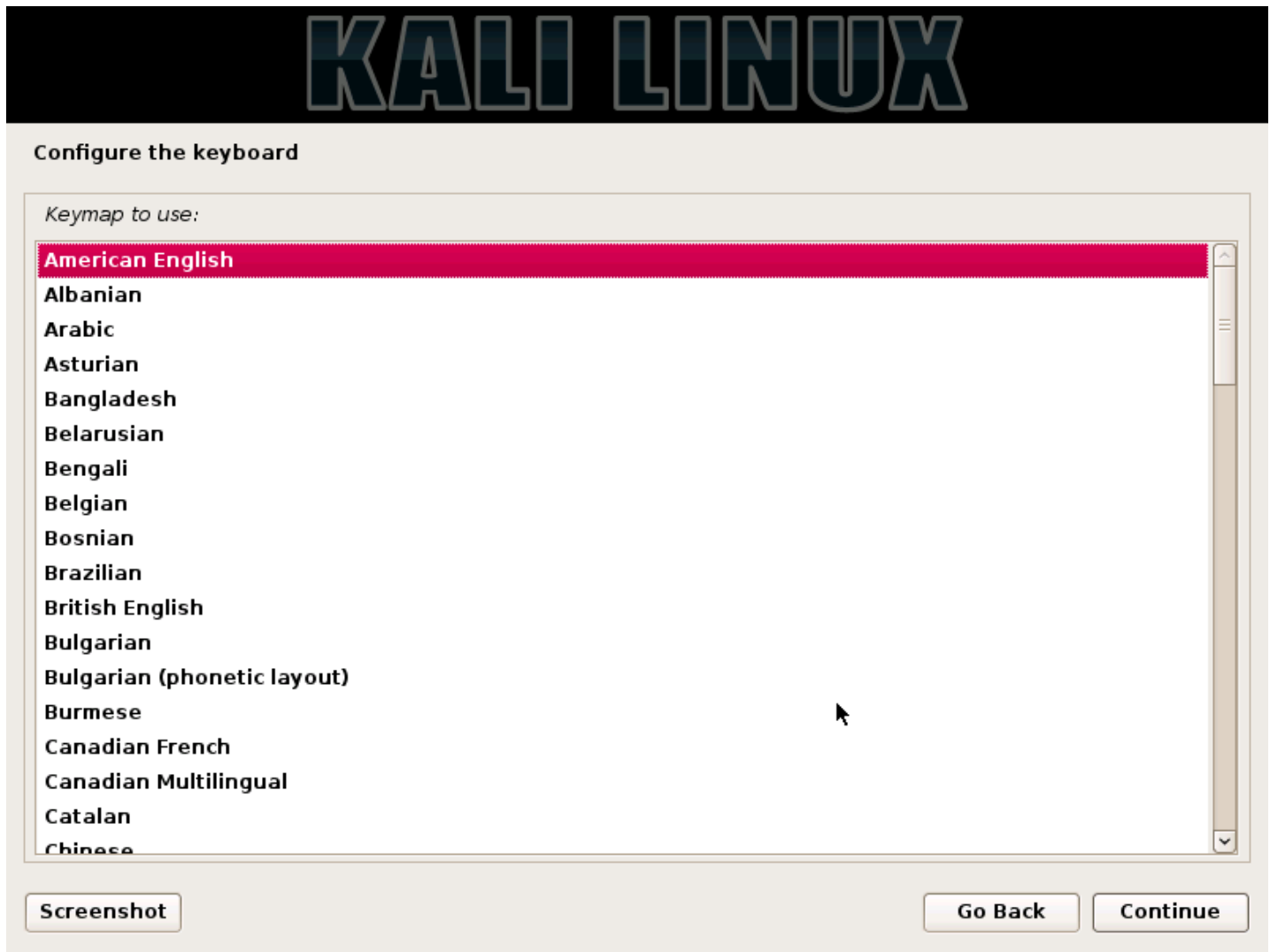
Country, territory or area:

Canada
Hong Kong
India
Ireland
New Zealand
Nigeria
Philippines
Singapore
South Africa
United Kingdom
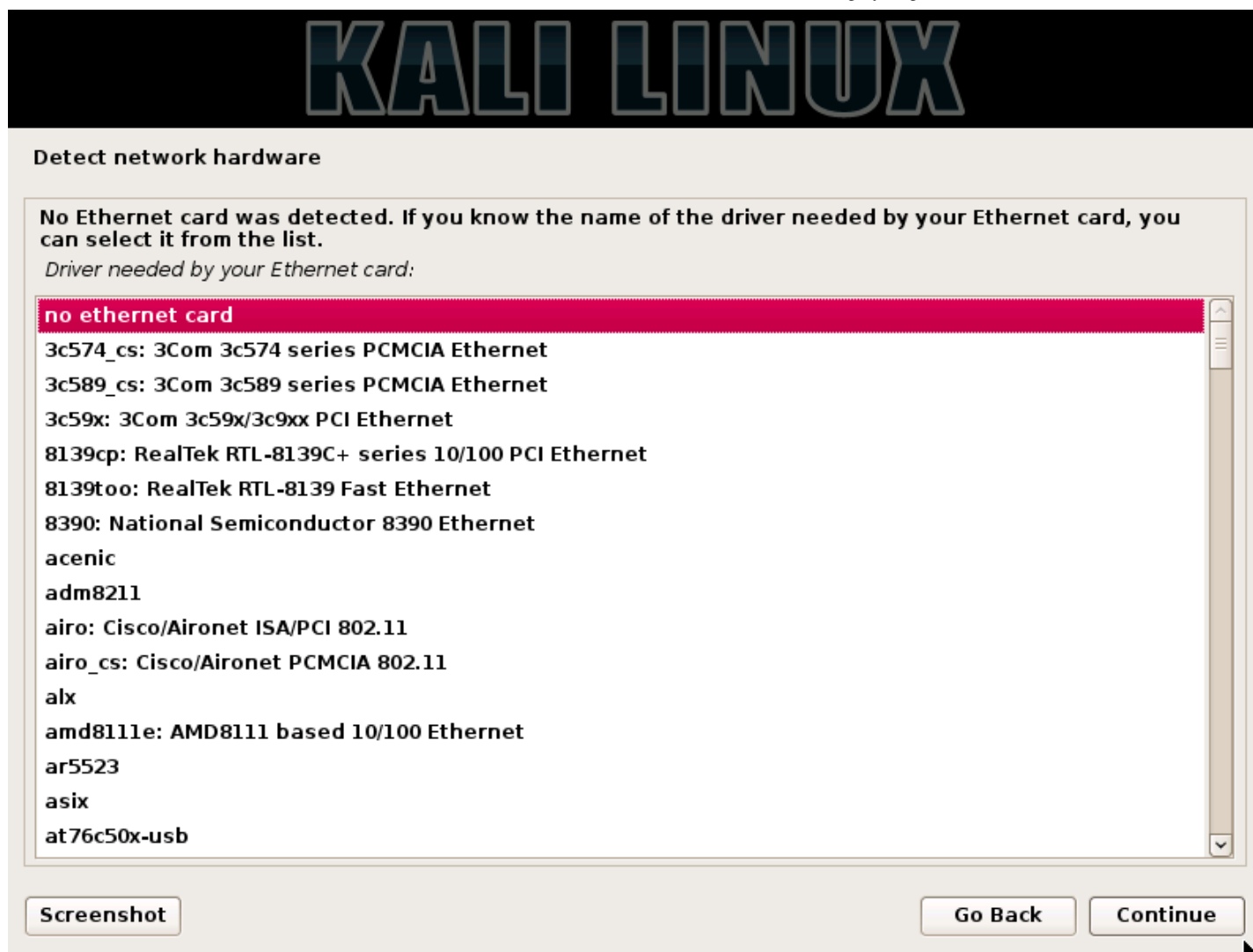United States
Zambia
Zimbabwe
other

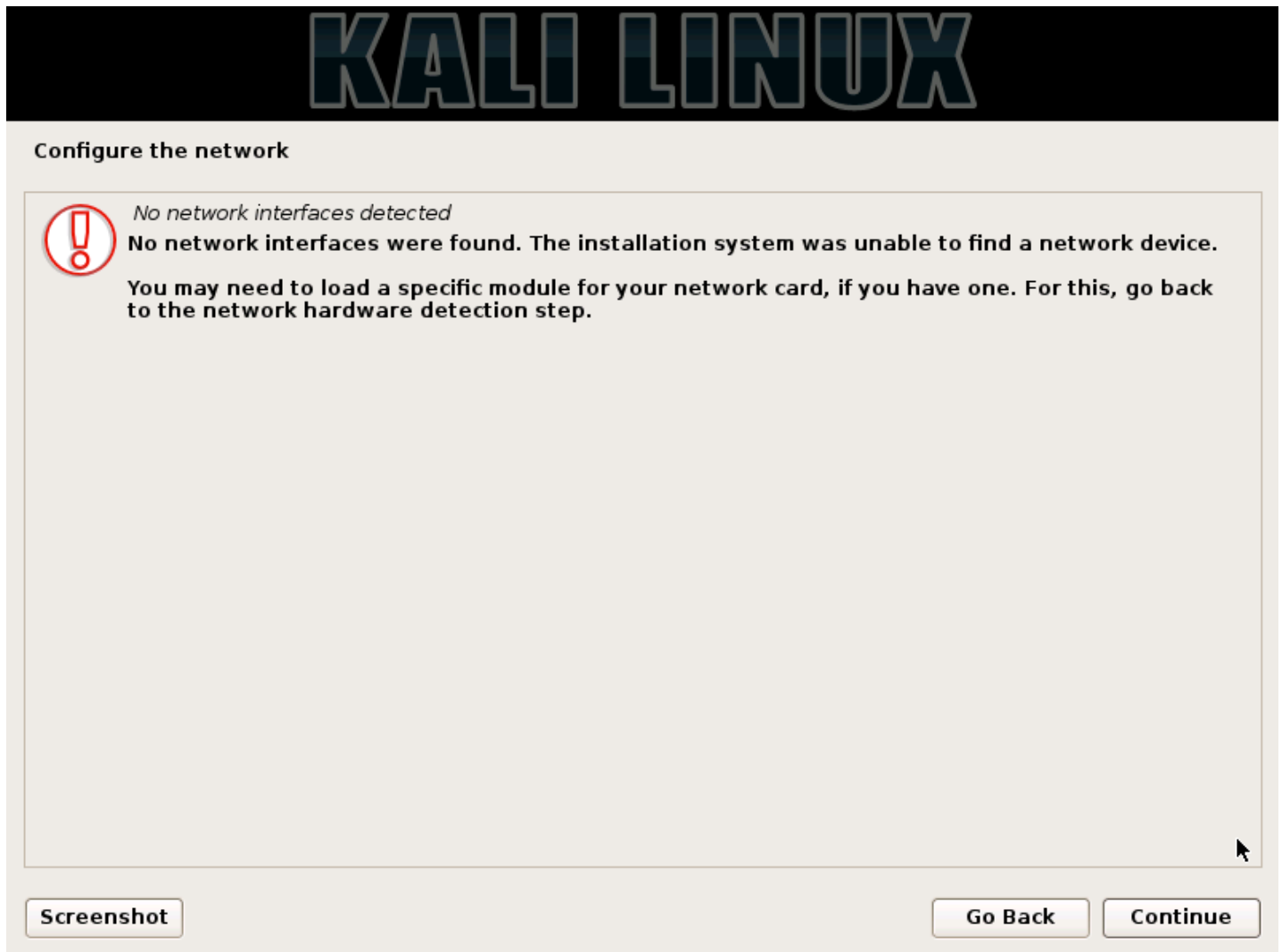| Screenshot | | Go Back | Continue |

- Configure the keyboard to be used and click on continue

- Select the ethernet to be used. As I am using VMWare on MAC, I will be sharing with MAC ethernet so selected "**no ethernet card**" and click on Continue

KALI LINUX

Detect network hardware

No Ethernet card was detected. If you know the name of the driver needed by your Ethernet card, you can select it from the list.

Driver needed by your Ethernet card:

no ethernet card
3c574_cs: 3Com 3c574 series PCMCIA Ethernet
3c589_cs: 3Com 3c589 series PCMCIA Ethernet
3c59x: 3Com 3c59x/3c9xx PCI Ethernet
8139cp: RealTek RTL-8139C+ series 10/100 PCI Ethernet
8139too: RealTek RTL-8139 Fast Ethernet
8390: National Semiconductor 8390 Ethernet
acenic
adm8211
airo: Cisco/Aironet ISA/PCI 802.11
airo_cs: Cisco/Aironet PCMCIA 802.11
alx
amd8111e: AMD8111 based 10/100 Ethernet
ar5523
asix
at76c50x-usb

Screenshot   Go Back   Continue

- You will get a notification that "No network interface detected" but that's fine. Click on continue

KALI LINUX

Configure the network

⚠ _No network interfaces detected_
No network interfaces were found. The installation system was unable to find a network device.

You may need to load a specific module for your network card, if you have one. For this, go back to the network hardware detection step.

Screenshot   Go Back   Continue

- Enter the Hostname and continue

- Enter the root password and click on Continue

Set up users and passwords

You need to set a password for 'root', the system administrative account. A malicious or unqualified user with root access can have disastrous results, so you should take care to choose a root password that is not easy to guess. It should not be a word found in dictionaries, or a word that could be easily associated with you.

A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.

The root user should not have an empty password. If you leave this empty, the root account will be disabled and the system's initial user account will be given the power to become root using the "sudo" command.

Note that you will not be able to see the password as you type it.

Root password:

●●●●●●●

Please enter the same root password again to verify that you have typed it correctly.
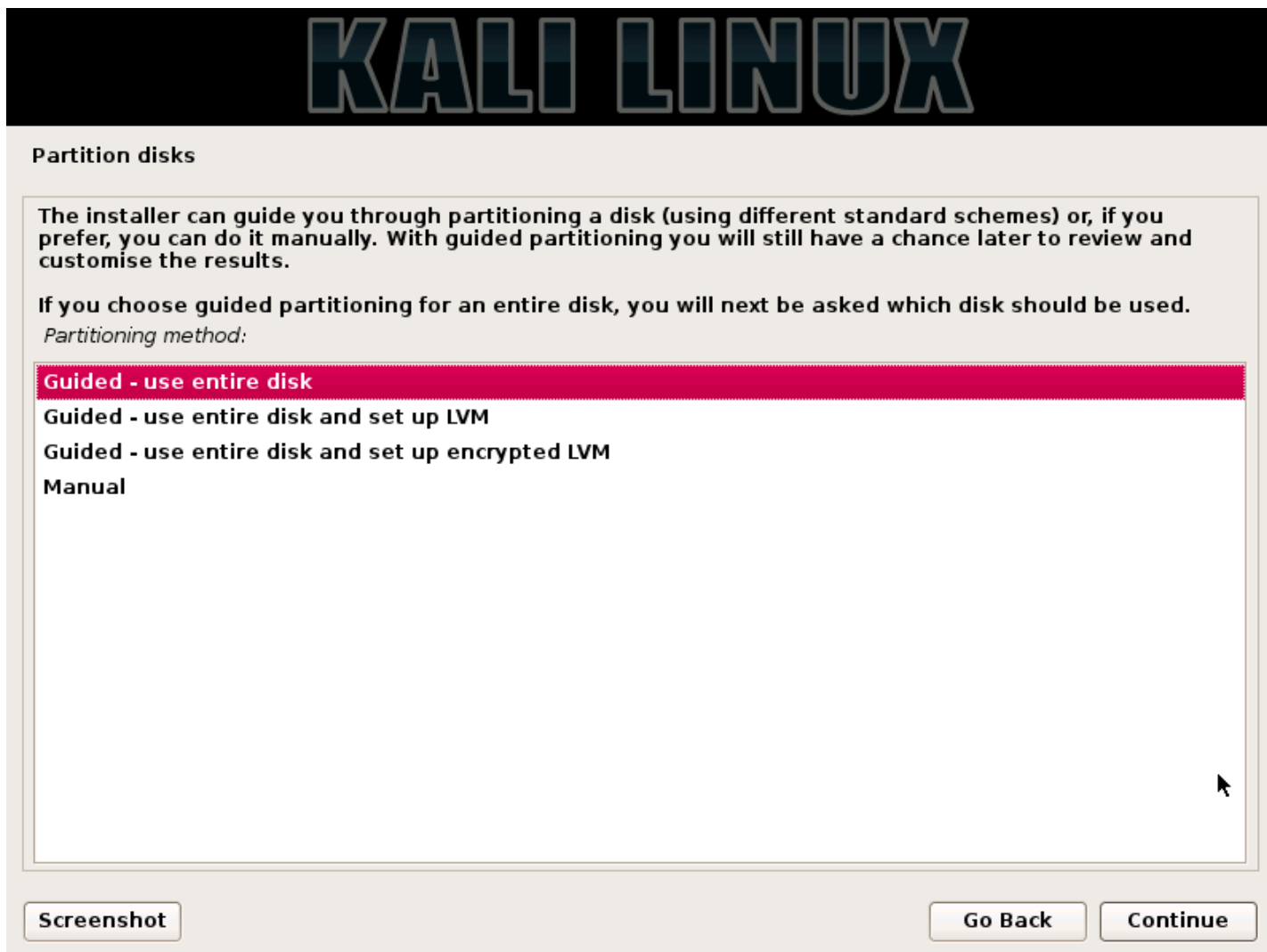
Re-enter password to verify:
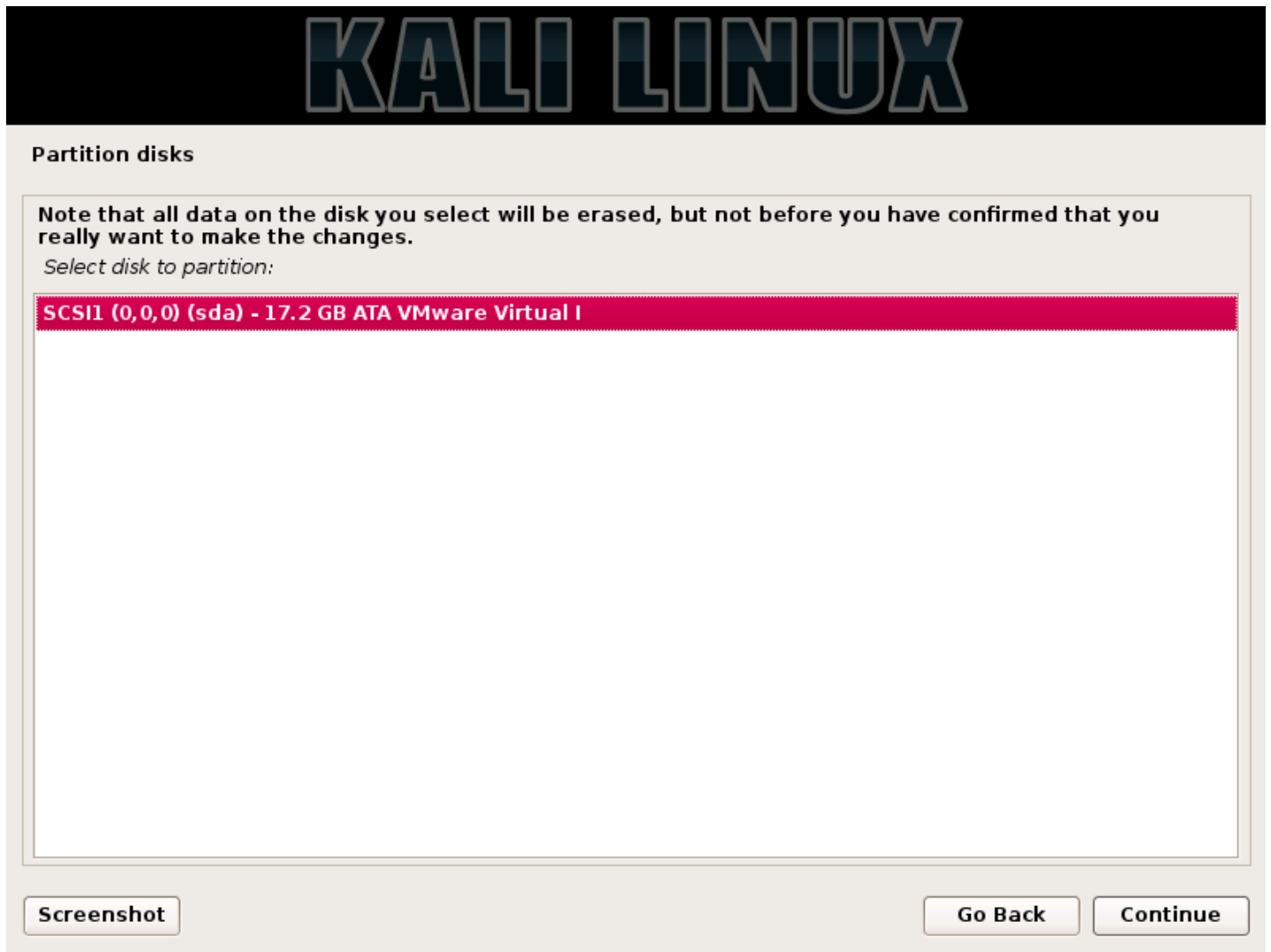
●●●●●●●

Screenshot   Go Back   Continue
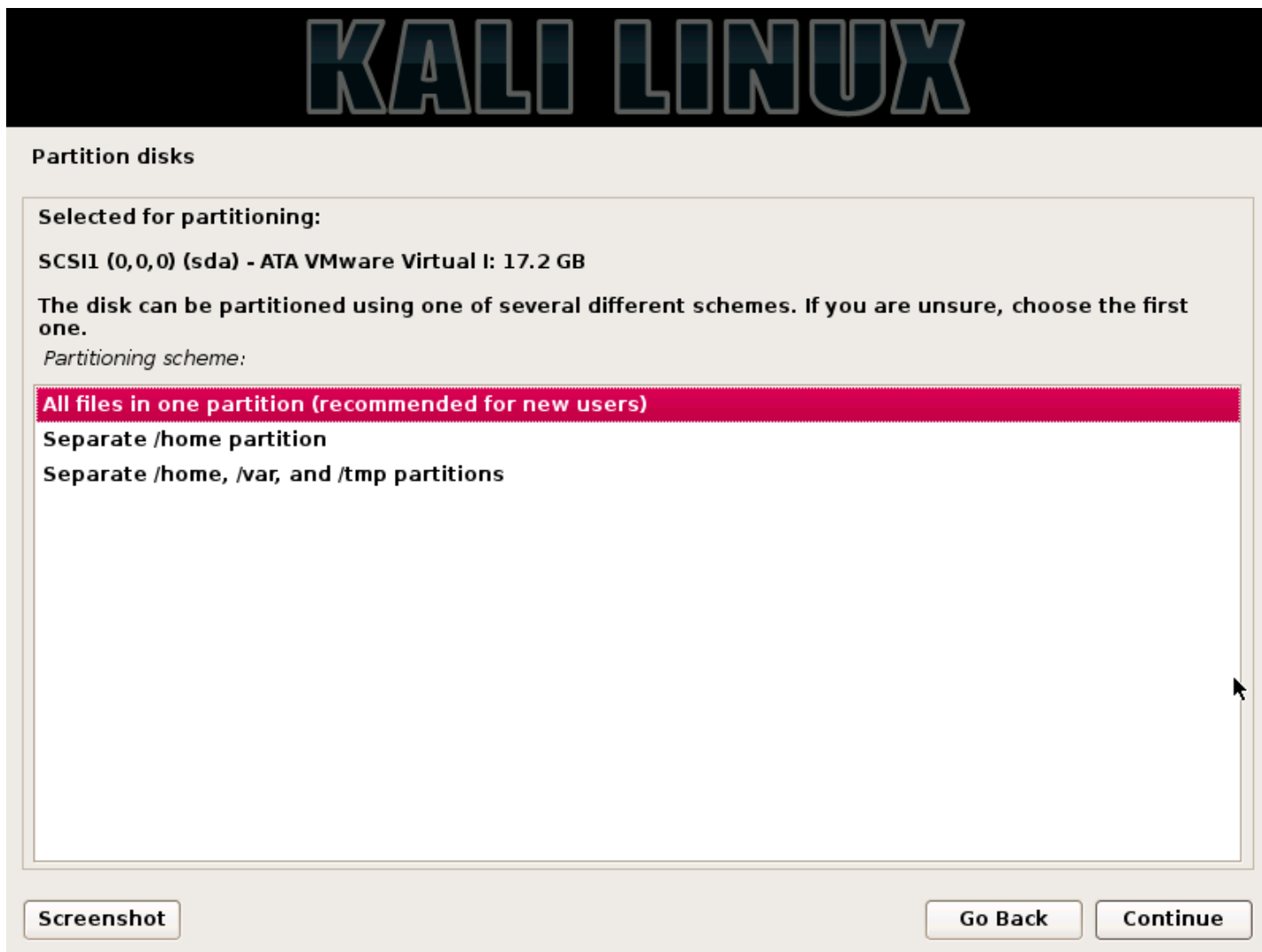
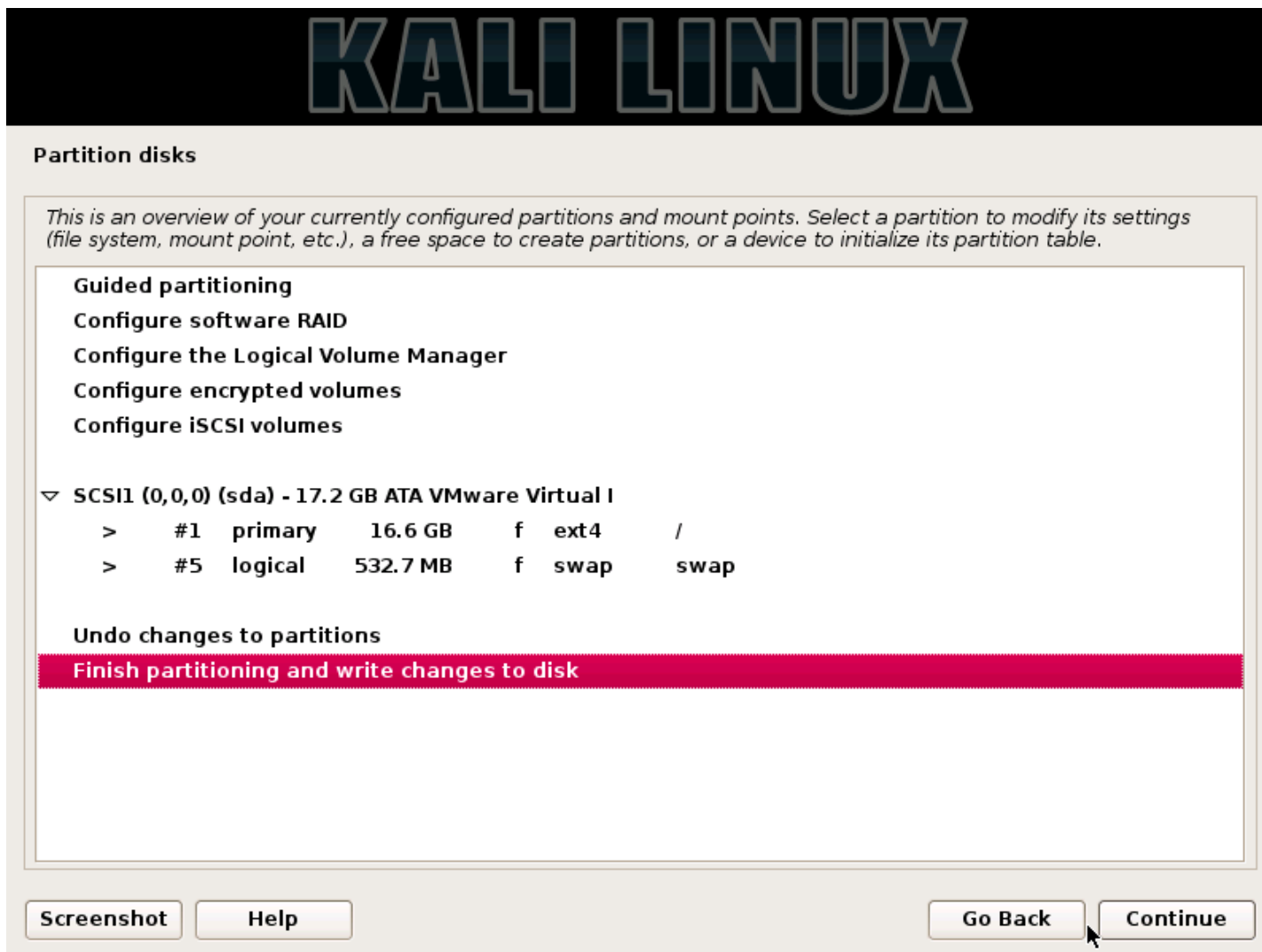- Select "**Guided- user entire disk**" and click on Continue

- You will get partition disk information that will data will be erased but that's ok because there is nothing at the moment. Click on continue
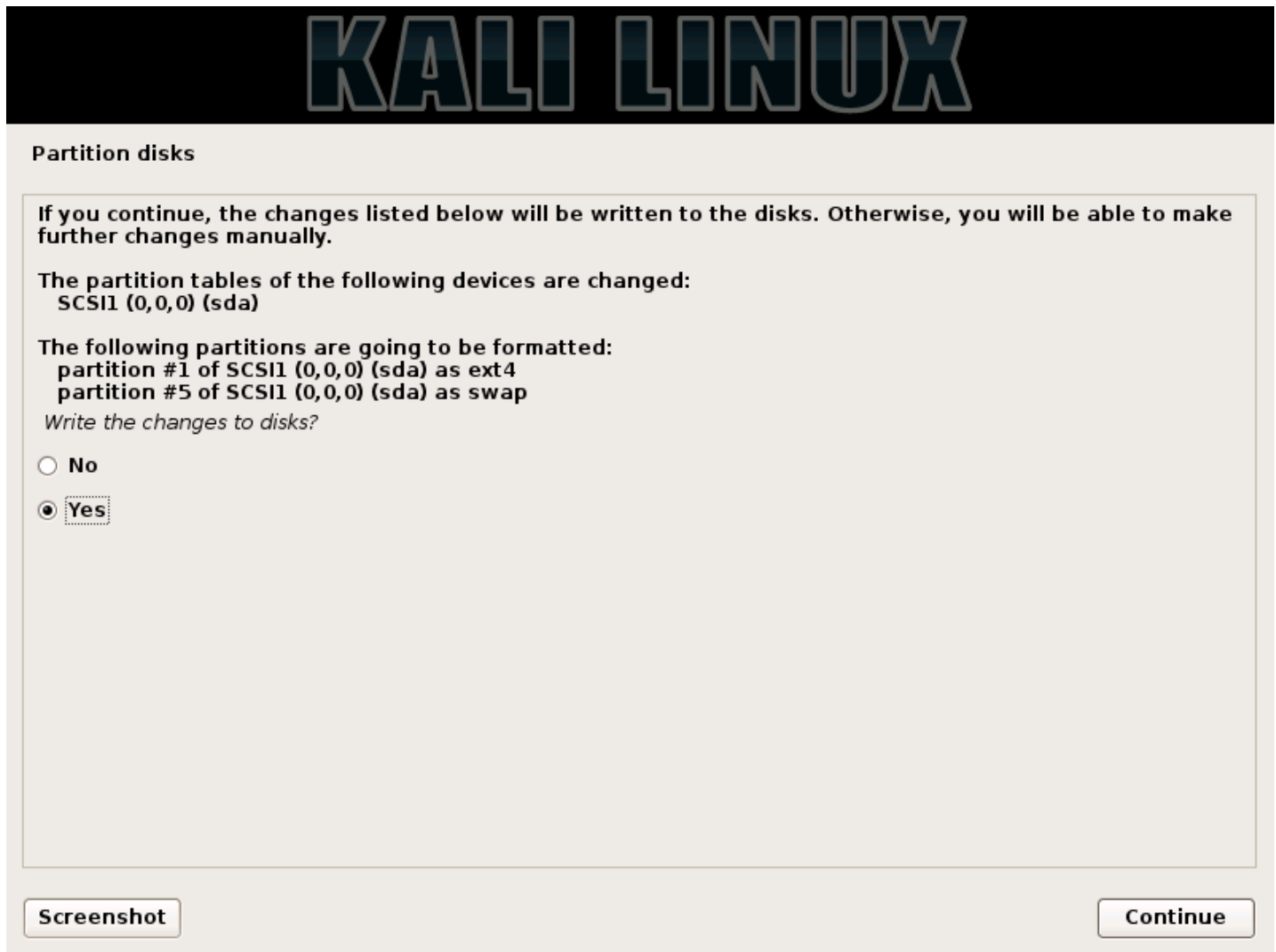
- Select the partition as "all files in one partition (recommended for new users) and continue

- Confirmation before installation start writing changes to disk, click on continue

Partition disks

This is an overview of your currently configured partitions and mount points. Select a partition to modify its settings (file system, mount point, etc.), a free space to create partitions, or a device to initialize its partition table.

Guided partitioning
Configure software RAID
Configure the Logical Volume Manager
Configure encrypted volumes
Configure iSCSI volumes

▽ SCSI1 (0,0,0) (sda) - 17.2 GB ATA VMware Virtual I
    >   #1   primary   16.6 GB   f   ext4   /
    >   #5   logical   532.7 MB   f   swap   swap

Undo changes to partitions
Finish partitioning and write changes to disk

Screenshot   Help   Go Back   Continue

- Select "Yes" on final confirmation and click on continue

Partition disks

If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.

The partition tables of the following devices are changed:
   SCSI1 (0,0,0) (sda)

The following partitions are going to be formatted:
   partition #1 of SCSI1 (0,0,0) (sda) as ext4
   partition #5 of SCSI1 (0,0,0) (sda) as swap
 Write the changes to disks?

○ **No**

◉ **Yes**

Screenshot   Continue

- It will take a few minutes to install the Kali Linux and during installation, you may see the following progress bar
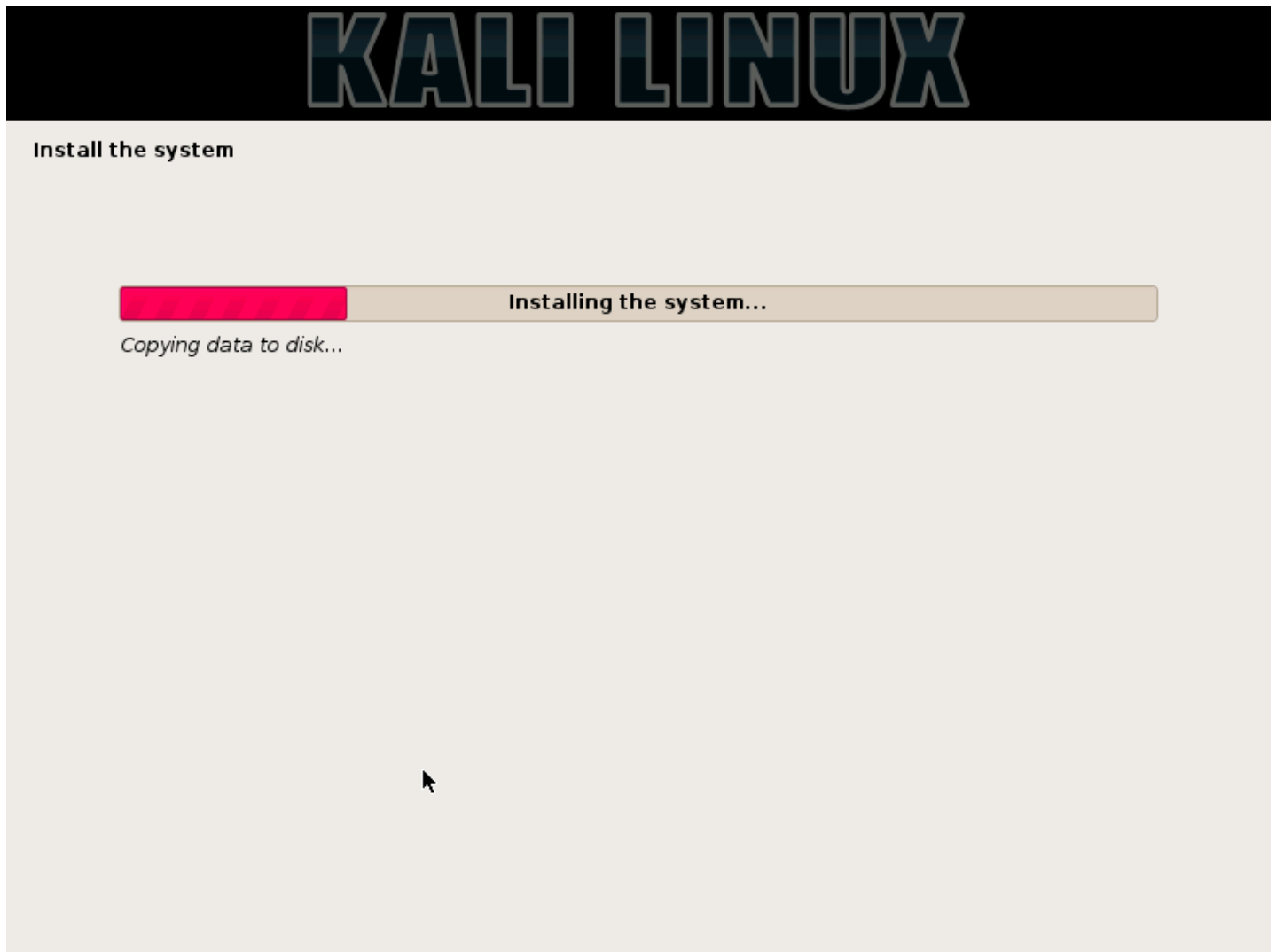
- It will prompt you to configure the package manager but I will proceed with no to keep the installation procedure simple.

KALI LINUX

Configure the package manager

A network mirror can be used to supplement the software that is included on the CD-ROM. This may also make newer versions of software available.

Use a network mirror?

◉ No

○ Yes

Screenshot   Go Back   Continue
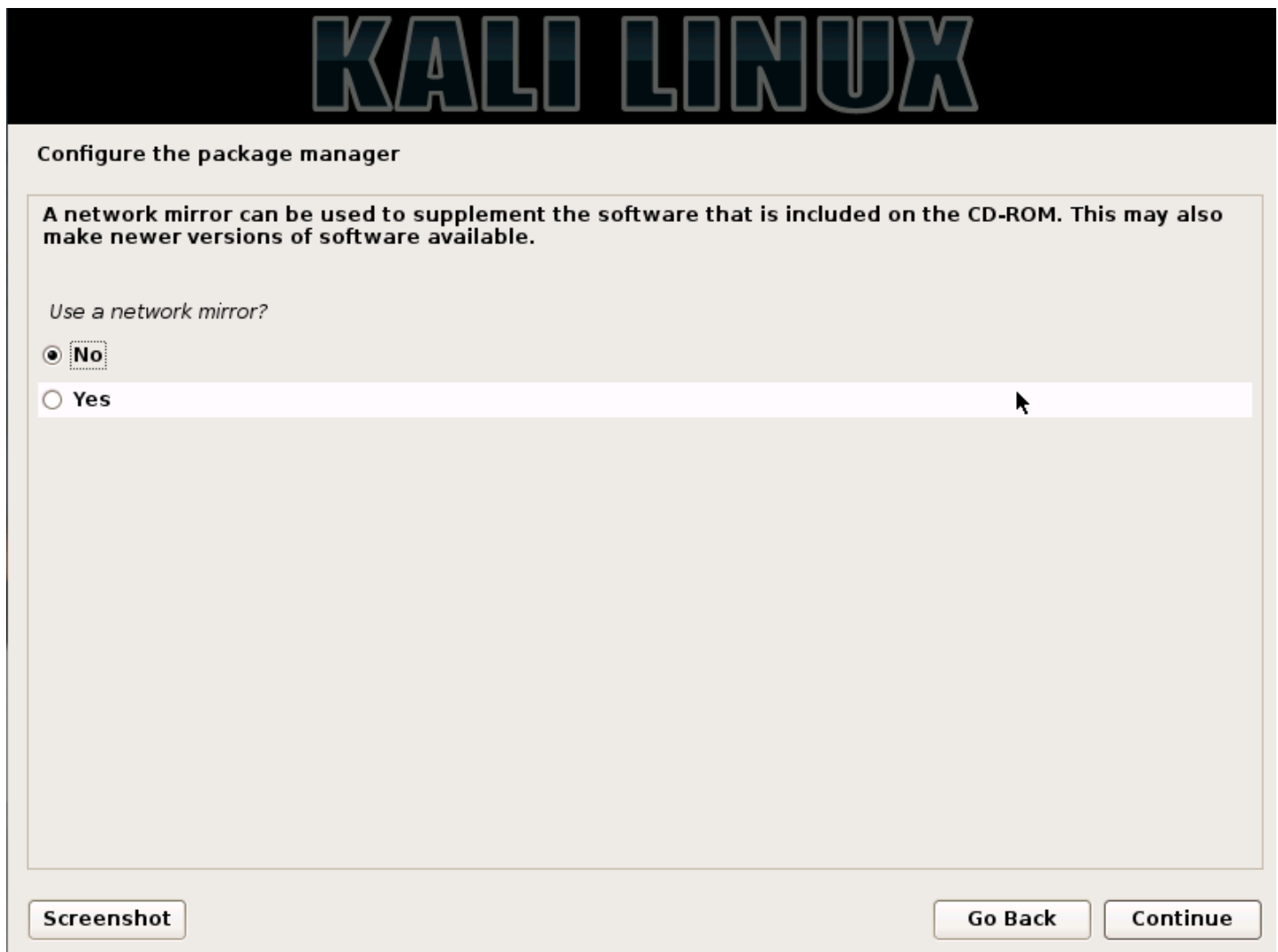
- Select **Yes** to install the GRUB boot loader on the hard disk and continue

KALI LINUX

Install the GRUB boot loader on a hard disk

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 the master boot record of your first hard drive.

Warning: If the installer failed to detect another operating system that is present on your computer, modifying the master boot record will make that operating system temporarily unbootable, though GRUB can be manually configured later to boot it.

Install the GRUB boot loader to the master boot record?

○ No

⦿ Yes

| Screenshot | | Go Back | Continue |

- Select the disk to make it bootable and click on Continue

- And finally, you will have an "**Installation Complete**" message. Click on continue

KALI LINUX

Finish the installation

Installation complete

Installation is complete, so it is time to boot into your new system. Make sure to remove the installation media (CD-ROM, floppies), so that you boot into the new system rather than restarting the installation.

Screenshot		Go Back	Continue
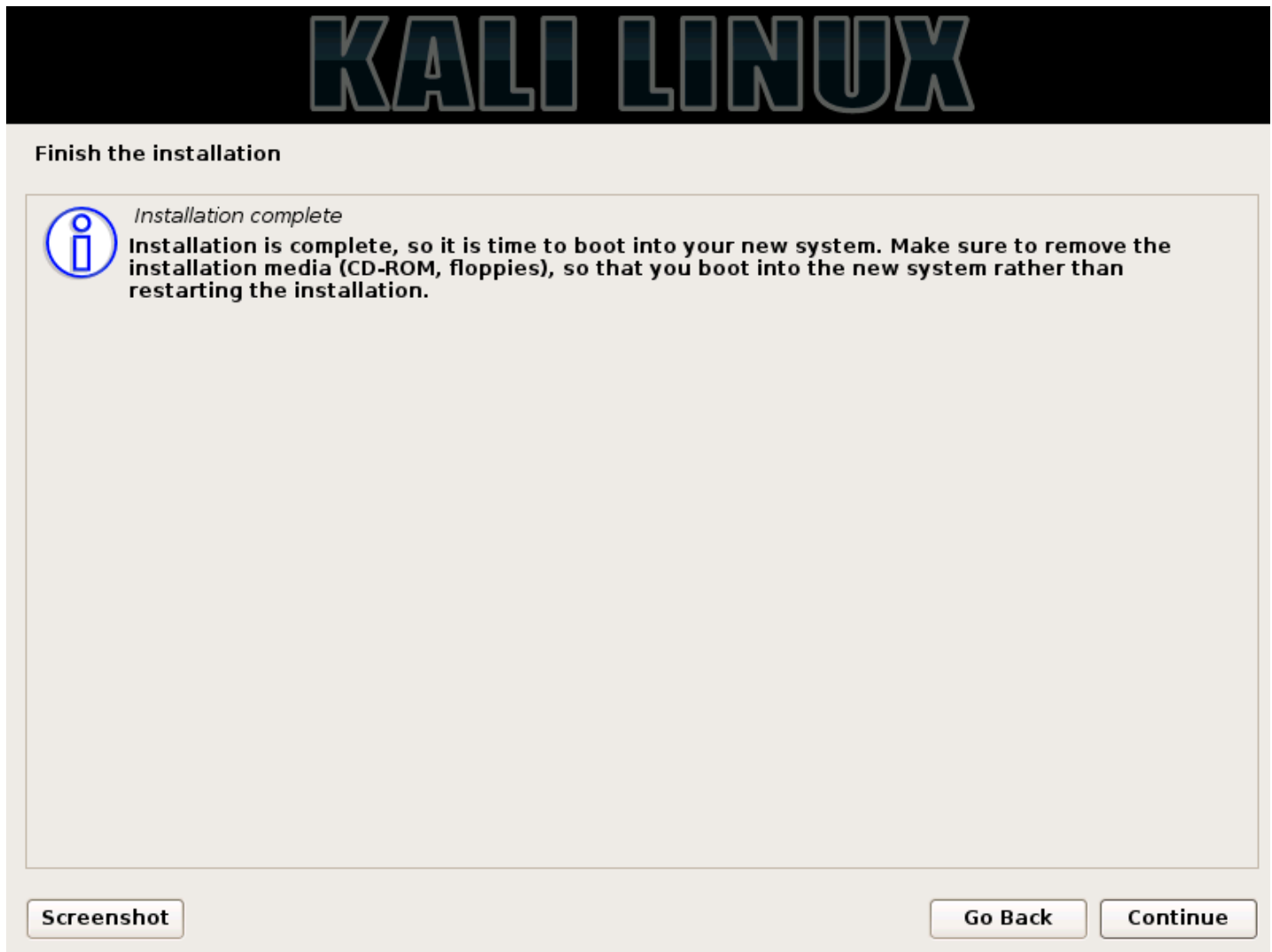
- It will take few seconds will boot the **Kali Linux** and give you a login screen as below.

- Enter the password, which you configured during installation and you will see the first screen as shown below.

Woah! It's a bit long, isn't it? Well, worth it!

So this was the installation guide, and I hope it helps you to install Kali Linux on PC or macOS using VMware fusion and all of you to explore. If you are a beginner, I would recommend taking this Kali Linux tutorial.

TAGS: Linux

Thanks to our sponsors.

UPTRENDS

More Great Reading on Geekflare

READ →

Manage Your Server and Site with CentOS Web Panel (CWP)

READ →

How to use find Command in Linux? [A Beginner's Guide]

READ →

Nmap installation on Linux with Real-time Usage Examples

READ →

BootHole Bug challenges Windows and Linux systems

READ →

perl: warning: Setting locale failed. – Fixed in CentOS 8

READ →

A Quick Guide to DNF Package Manager

Power Your Business

Choosing the right product and service is essential to run an online business. Here are some of the tools and services to help your business grow.

Netsparker

Netsparker uses the Proof-Based Scanning™ to automatically verify the identified vulnerabilities with proof of exploit, thus making it possible to scan thousands of web applications and generate actionable results within just hours.

Try Netsparker

Kinsta

Probably the best managed WordPress cloud platform to host small to enterprise sites. Kinsta leverages Google's low latency network infrastructure to deliver content faster. Free SSL, CDN, backup and a lot more with outstanding support. You'll love it.

Try Kinsta

Sucuri

A global CDN and cloud-based web application firewall for your website to supercharge the performance and secure from online threats. SUCURI WAF protects from OWASP top 10 vulnerabilities, brute force, DDoS, malware, and more.

Try Sucuri

+65 More Awesome Resources

Explore site tools

Browse articles

Discover trusted resources

🇬🇧 English   🇫🇷 Français   🇪🇸 Español   🇩🇪 Deutsch

© 2020 · Geekflare

Advertise	Authors
Write	Terms

Privacy

Disclosure

Sitemap

RSS Feed