

# CMSC389R

## Kali VM Installation Instructions



**COMPUTER SCIENCE**  
UNIVERSITY OF MARYLAND



## Step 0

- Download Kali Linux ISO 64 bit ISO
  - Or 32 bit depending on your host OS
- <https://www.kali.org/downloads/>

### Download Kali Linux Images

We generate fresh Kali Linux image files every few months, which we make available for download. This page provides the links to **download Kali Linux** in its latest official release. For a release history, check our [Kali Linux Releases](#) page. Please note: You can find unofficial, untested weekly releases at <http://cdimage.kali.org/kali-weekly/>.

Image Name	Download	Size	Version	sha256sum
Kali 64 bit	<a href="#">HTTP</a>   <a href="#">Torrent</a>	2.8G	2017.3	395bc0af107806e5bf06edc6ac4af1f96caaf04f465831abf2f33ce51b73968d
Kali 32 bit	<a href="#">HTTP</a>   <a href="#">Torrent</a>	2.9G	2017.3	1d2453d552c984a93b8e2ceca73a02e8ad9680d69f971482703dfc3b85f2424a

# Step 1

- Download VirtualBox
  - <https://www.virtualbox.org/wiki/Downloads>

## VirtualBox binaries

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

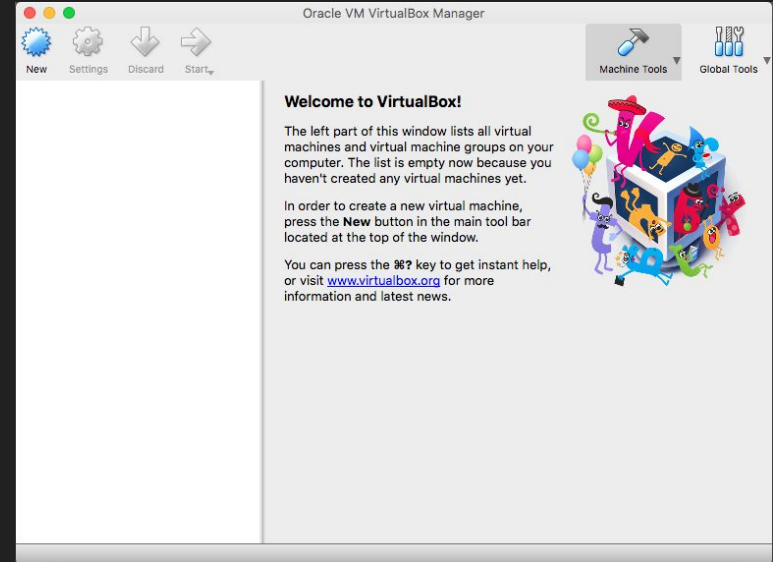
If you're looking for the VirtualBox 5.1.32 packages, see [VirtualBox 5.1 builds](#). Consider upgrading.

**Important:** The Guest Additions which come with VirtualBox 5.2.6 and 5.1.32 do not work properly on Linux guests with 3D enabled. Here are updated versions for [5.2.6](#) and [5.1.32](#).

- **VirtualBox 5.2.6 platform packages.** The binaries are released under the terms of the GPL version 2.
  - [Windows hosts](#)
  - [OS X hosts](#)
  - [Linux distributions](#)
  - [Solaris hosts](#)
- **VirtualBox 5.2.6 Oracle VM VirtualBox Extension Pack** [All supported platforms](#)  
Support for USB 2.0 and USB 3.0 devices, VirtualBox RDP, disk encryption, NVMe and PXE boot for Intel cards. See [this chapter from the User Manual](#) for an introduction to this Extension Pack.  
The Extension Pack binaries are released under the [VirtualBox Personal Use and Evaluation License \(PUEL\)](#).  
*Please install the extension pack with the same version as your installed version of VirtualBox:*
- **VirtualBox 5.2.6 Software Developer Kit (SDK)** [All platforms](#)

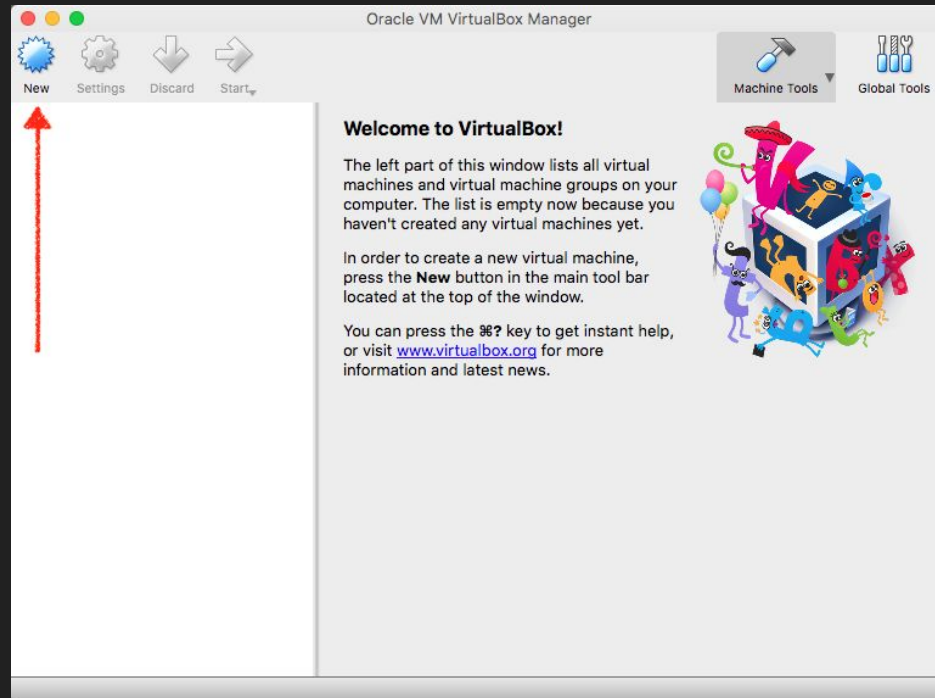
## Step 2

- Open VirtualBox
  - If you already have VMs loaded in there, that's fine
  - Or if it's blank, that's fine too



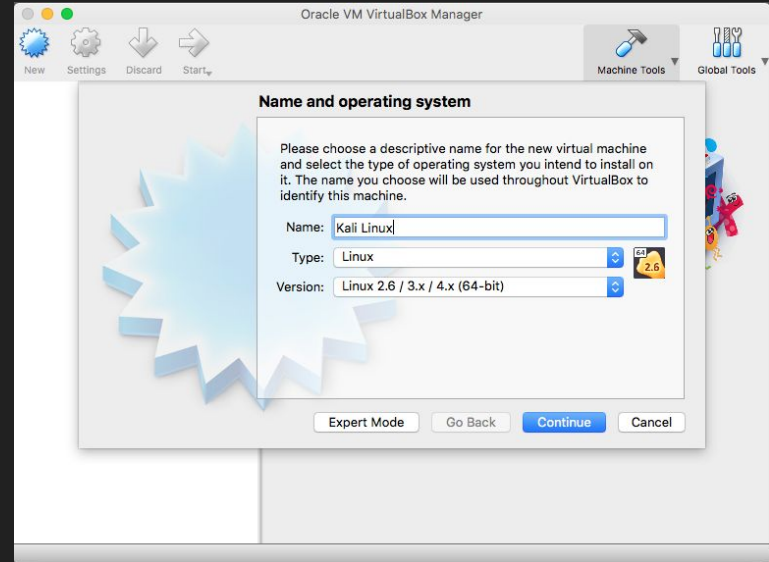
## Step 3

- Click “New”



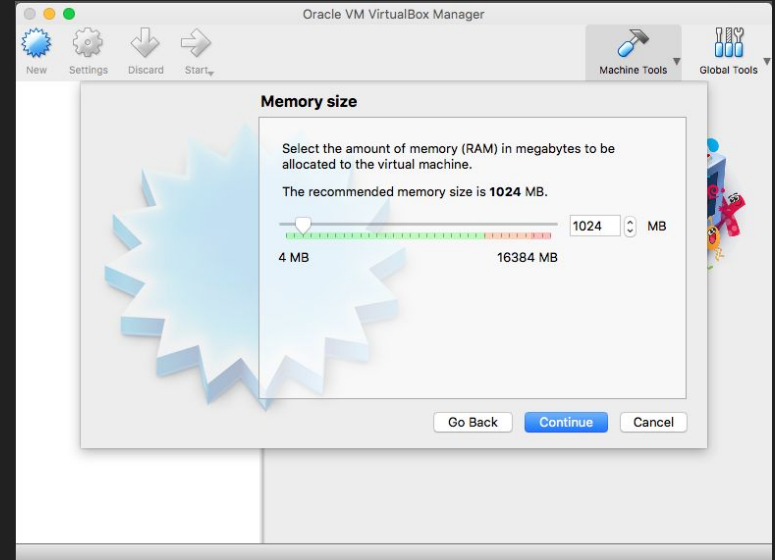
## Step 4

- Enter...
  - Name: Kali Linux (or something you can remember)
  - Type: Linux
  - Version: Linux 2.6/3.x/4.x (64-bit)
    - Or (32-bit)
- Click “Continue”



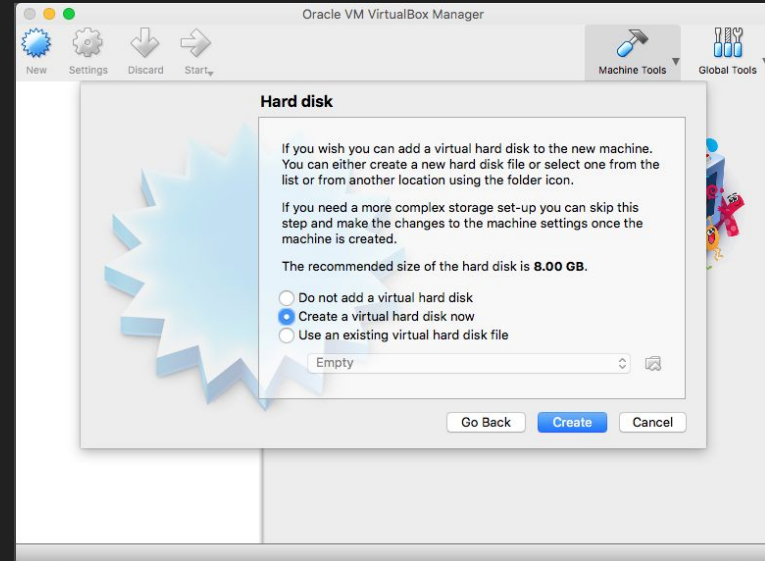
## Step 5

- Set “Memory size”
  - Either use the recommended memory size
  - Or choose yourself



## Step 6

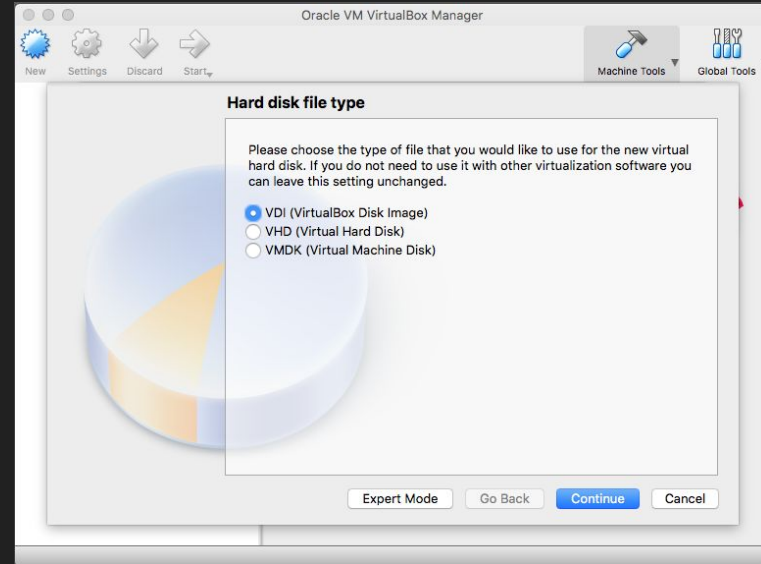
- Set “Hard disk”
  - Assure that “Create a virtual hard disk now” is selected
- Click “Continue”





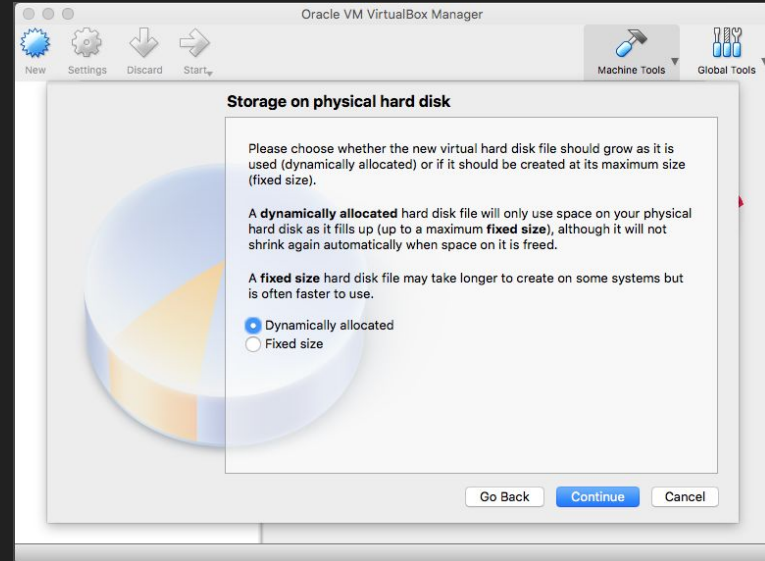
## Step 7

- Set “Hard disk file type”
  - Assure that “VDI (VirtualBox Disk Image)” is selected
- Click “Continue”



## Step 8

- Set “Storage on physical hard disk”
  - Assure that “Dynamically allocated” is selected
- Click “Continue”



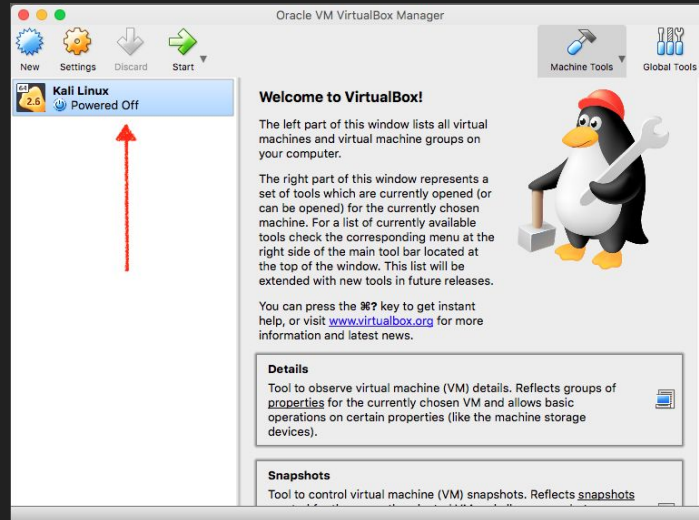
## Step 9

- Set “File location and size”
  - Either use the default hard disk size
  - Or choose yourself
- Click “Create”



# Check

- Your Oracle VM VirtualBox Manager should now have your VM listed on the side panel



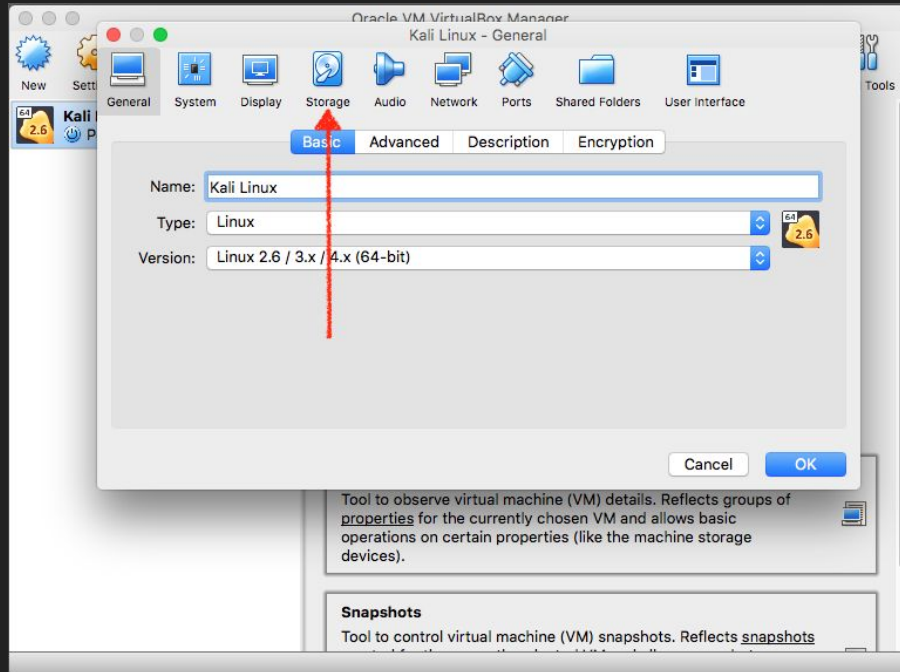
## Step 10

- Now, we will install the Kali Linux ISO
- Click “Settings”



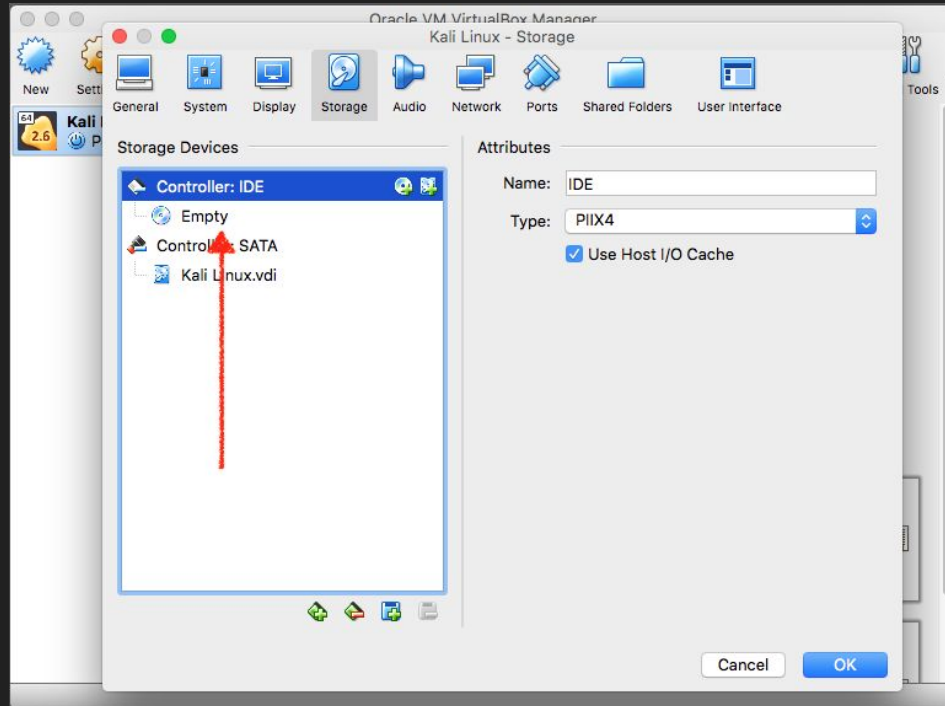
# Step 11

- Click “Storage”



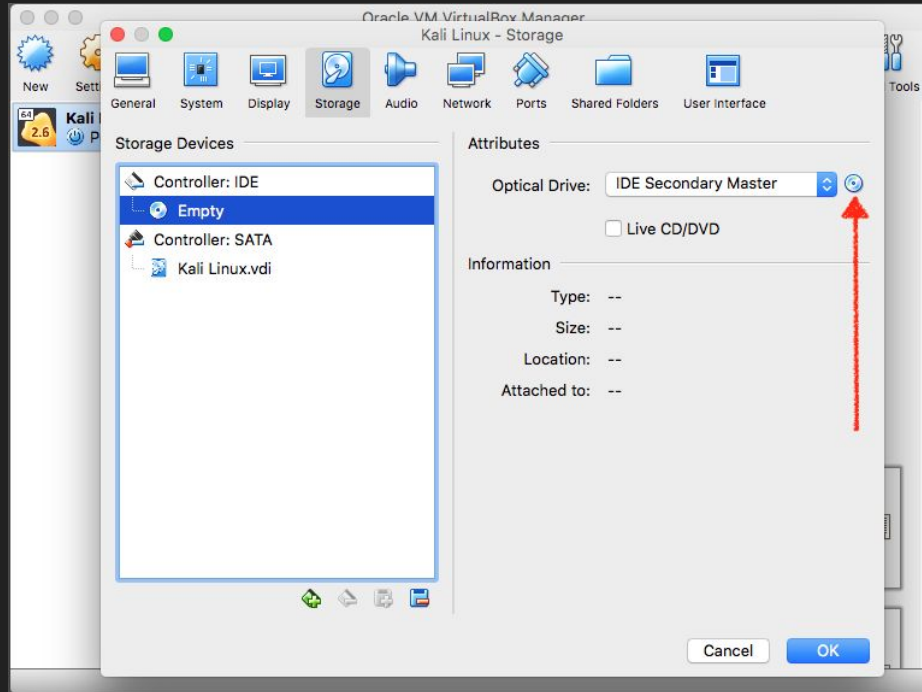
## Step 12

- Click “Empty” under “Controller: IDE”



## Step 13

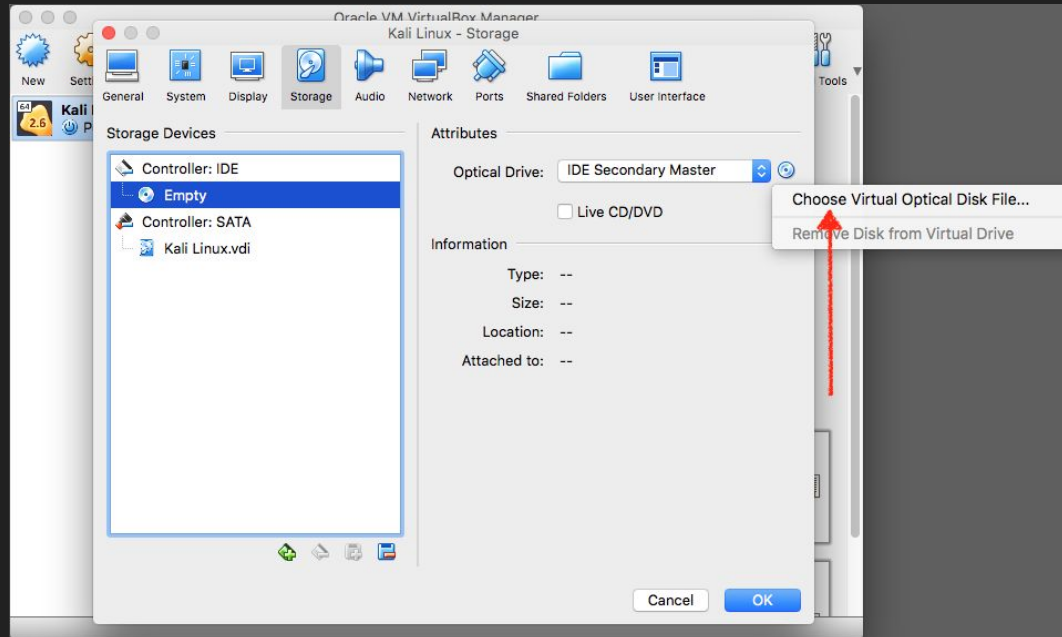
- Click on the disc icon





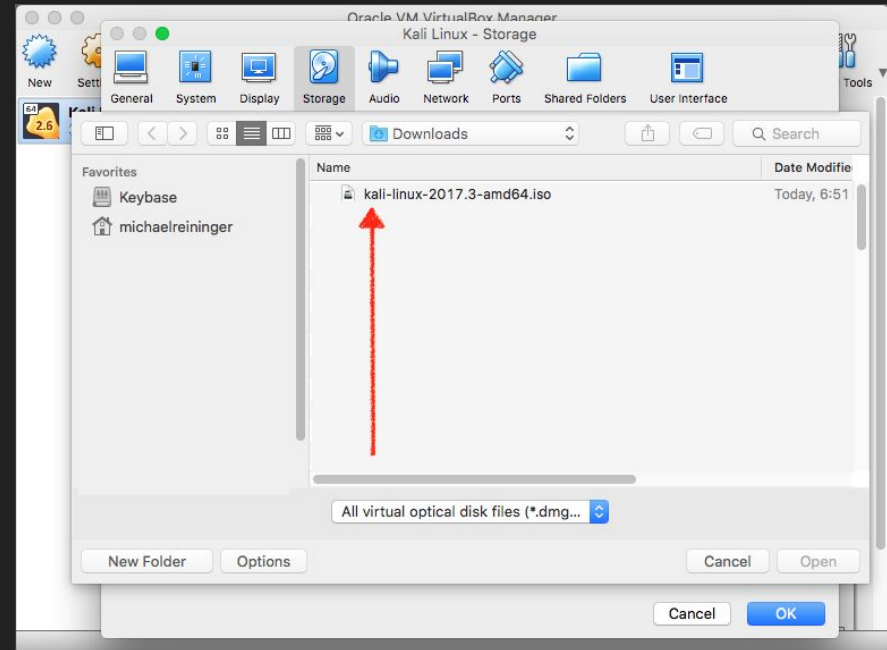
## Step 14

- Click “Choose Virtual Optical Disk File...”



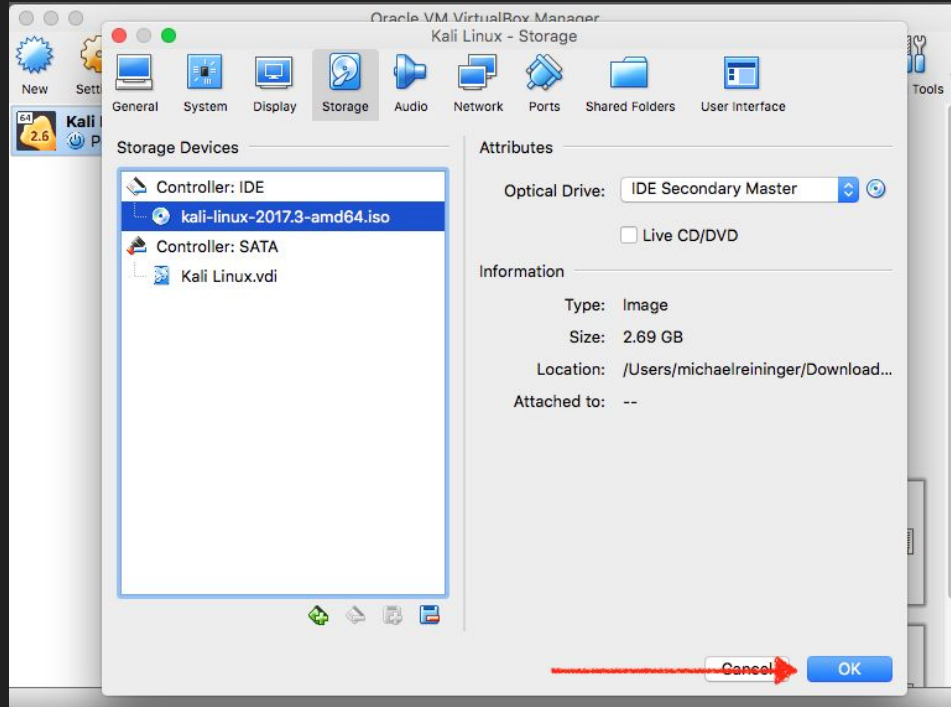
## Step 15

- Point the file chooser to the Kali Linux ISO download file
- Click “Open”



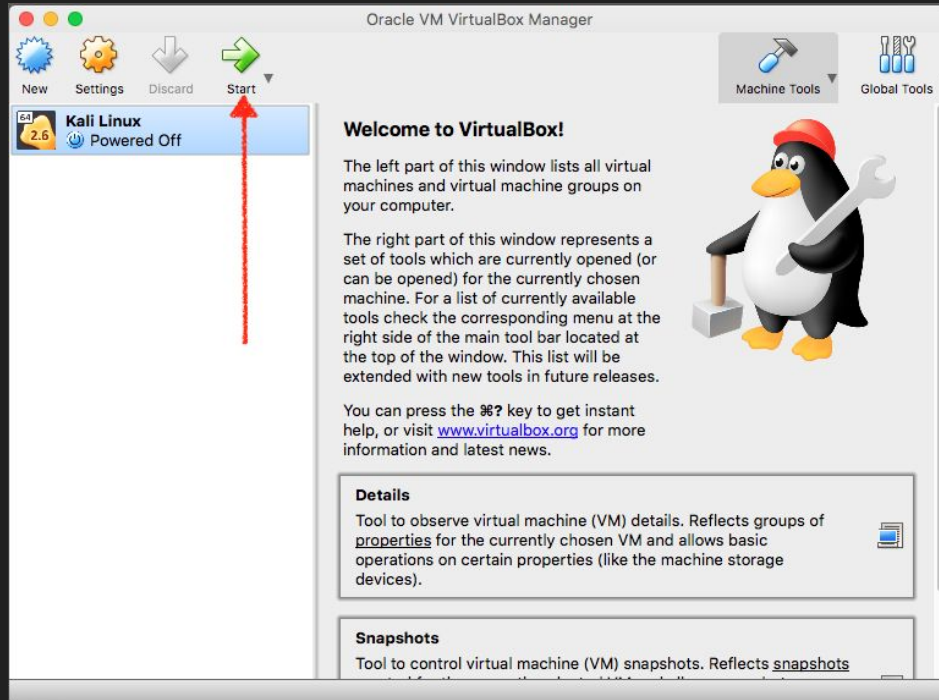
## Step 16

- Click “OK”



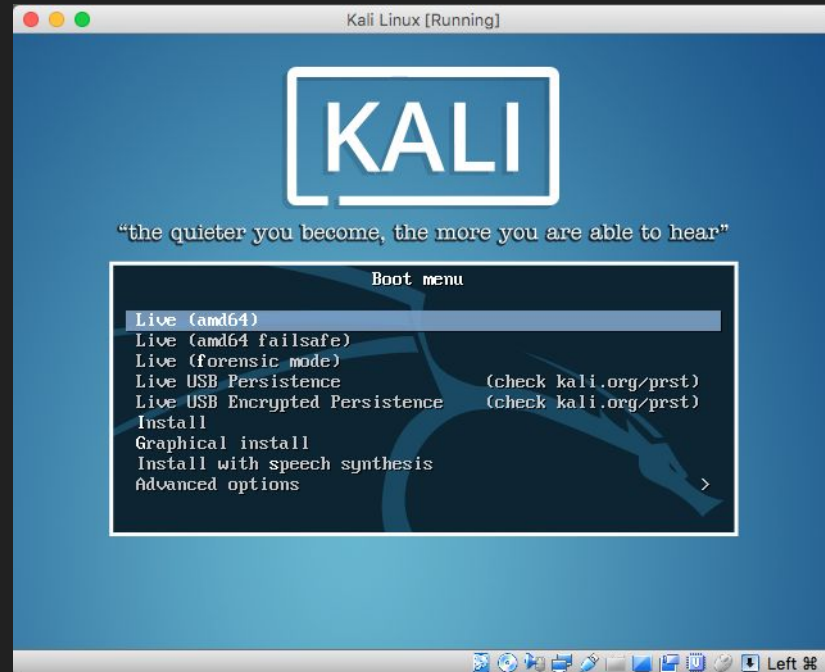
# Step 17

- Click “Start”



# Check

- The Kali Linux boot should load



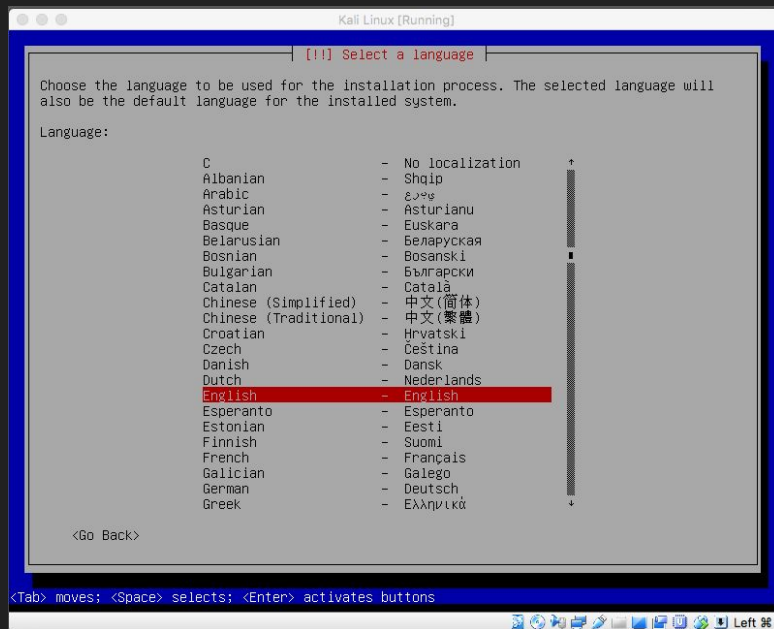
## Step 18

- Use the down arrow key on your keyboard to select “Install”
- Press “Enter” on your keyboard



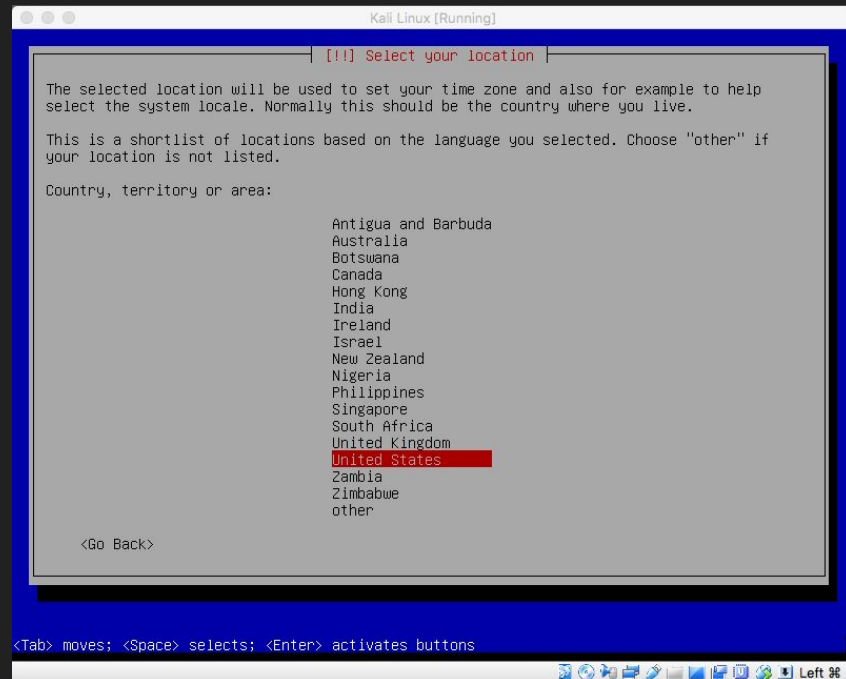
## Step 19

- Press “Enter” to select “English” as the language used for the installation process



## Step 20

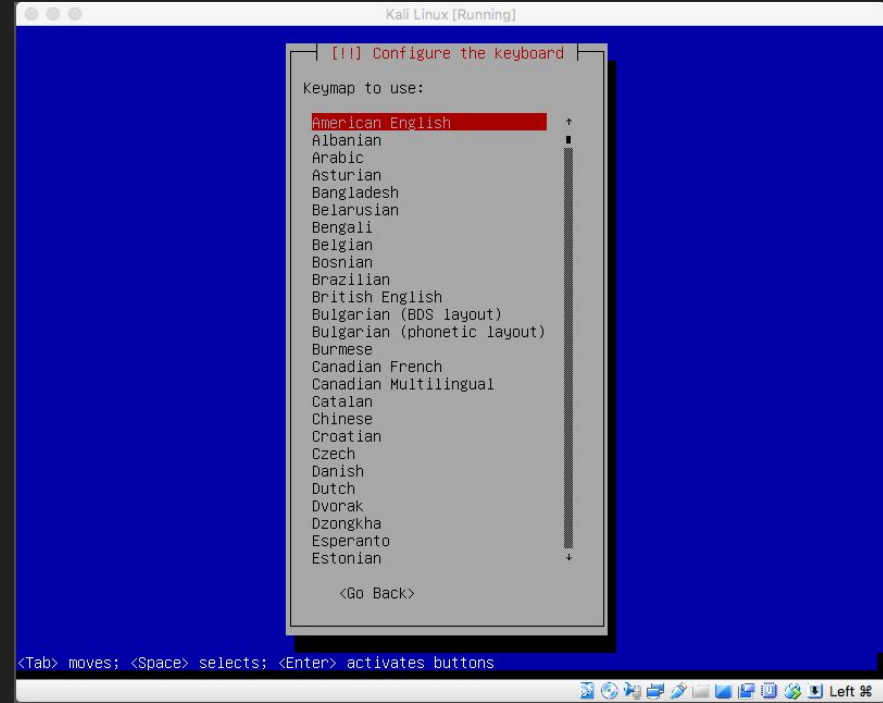
- Press “Enter” to select “United States” as the selected location for time zone and system locale





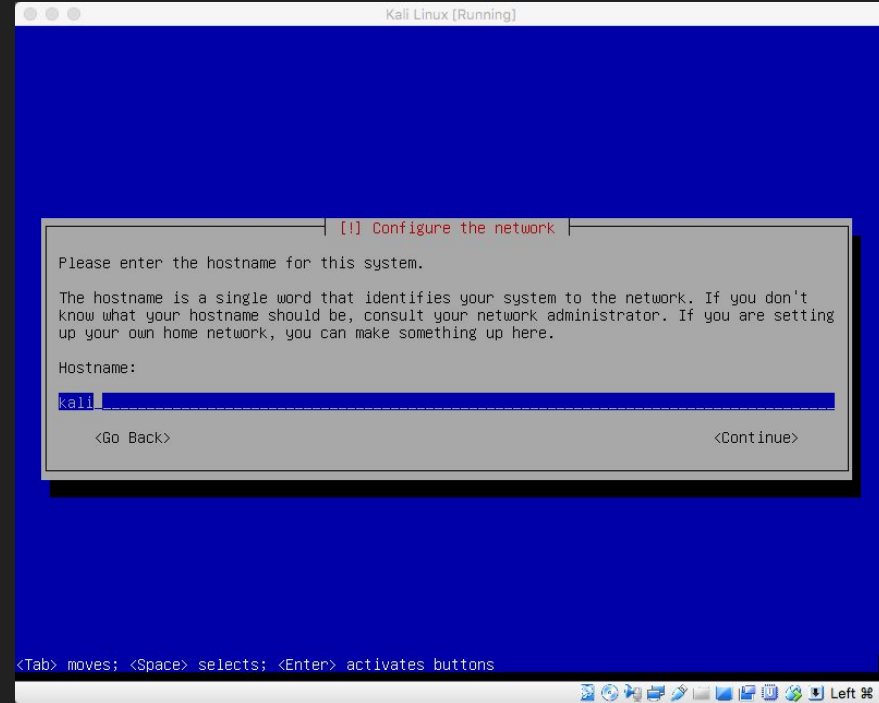
## Step 21

- Press “Enter” to select “American English” as the selected keymap



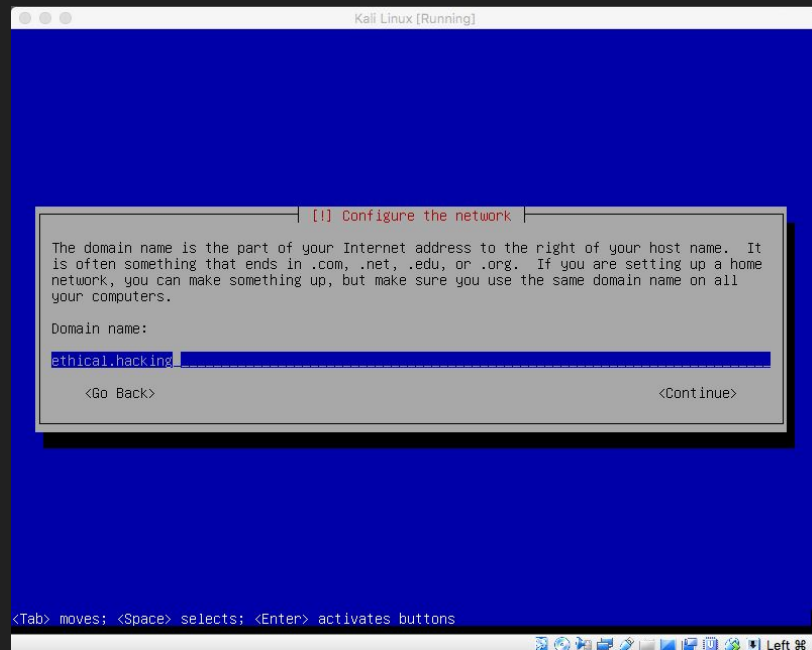
## Step 22

- Press “Tab” to highlight the “Continue” option and then press “Enter” to select the kali hostname



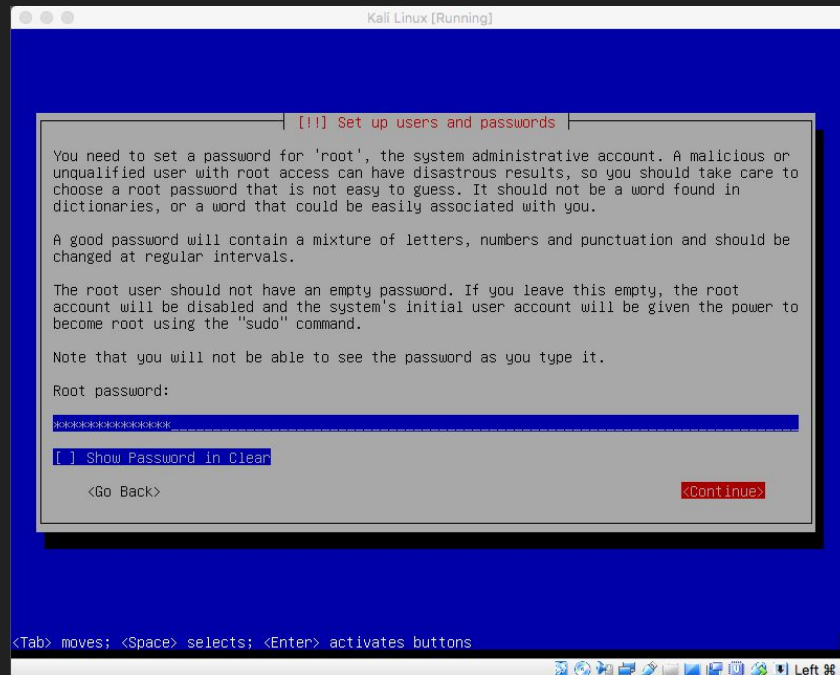
## Step 23

- Type “ethical.hacking” as your hostname
- Press “Tab” to select “Continue”
- Press “Enter”



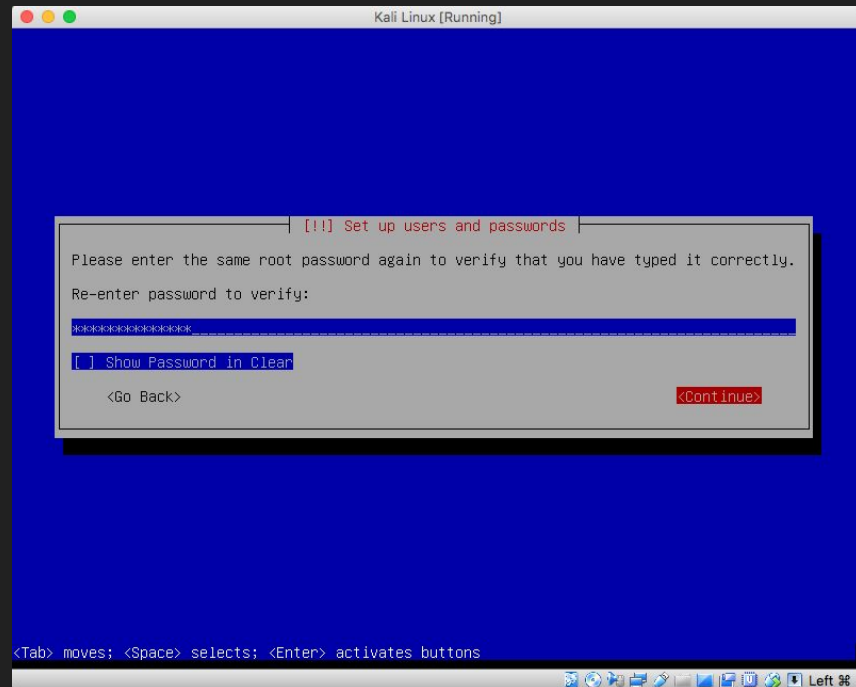
## Step 24

- Type a password for the “root” (admin) user account
- Press “Tab” until “Continue” is selected
- Press “Enter”



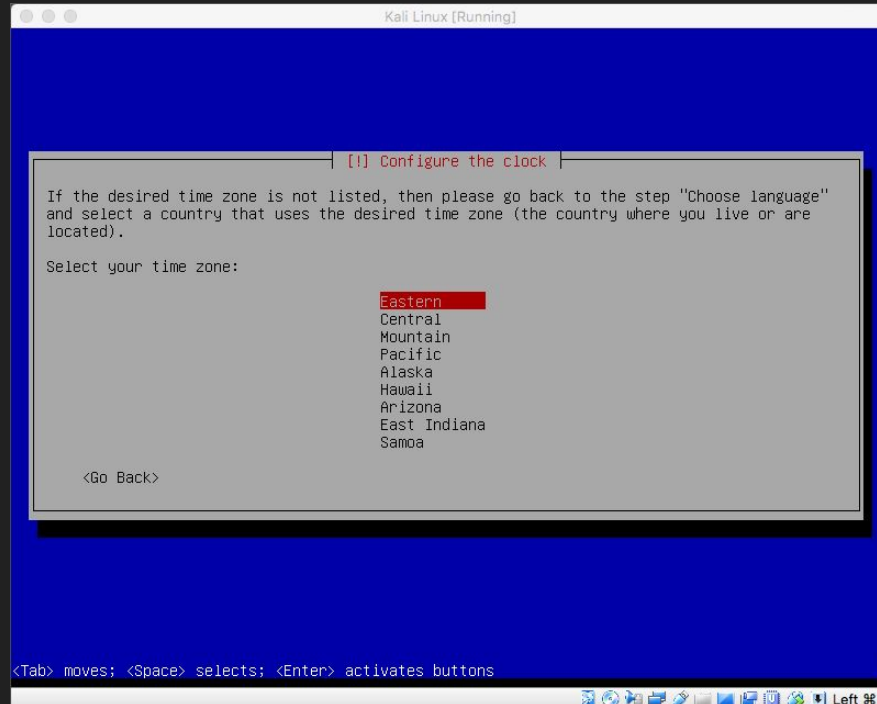
## Step 25

- Retype the password for the “root” (admin) user account to verify
- Press “Tab” until “Continue” is selected
- Press “Enter”



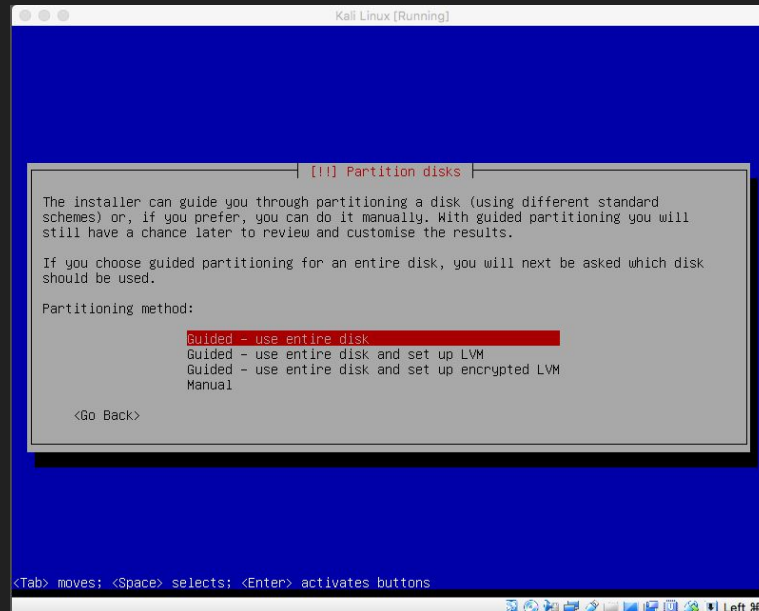
## Step 26

- Press “Enter” to select “Eastern” time zone



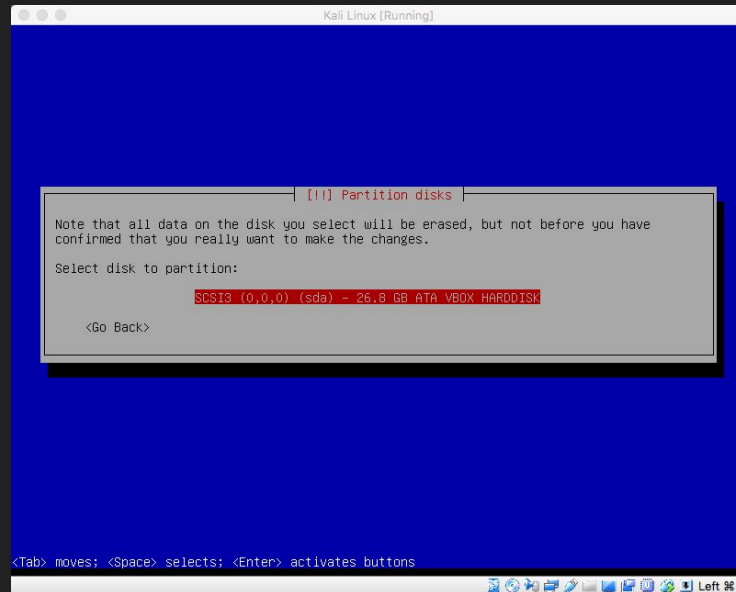
## Step 27

- Press “Enter” to select “Guided - use entire disk” for disk partitioning



## Step 28

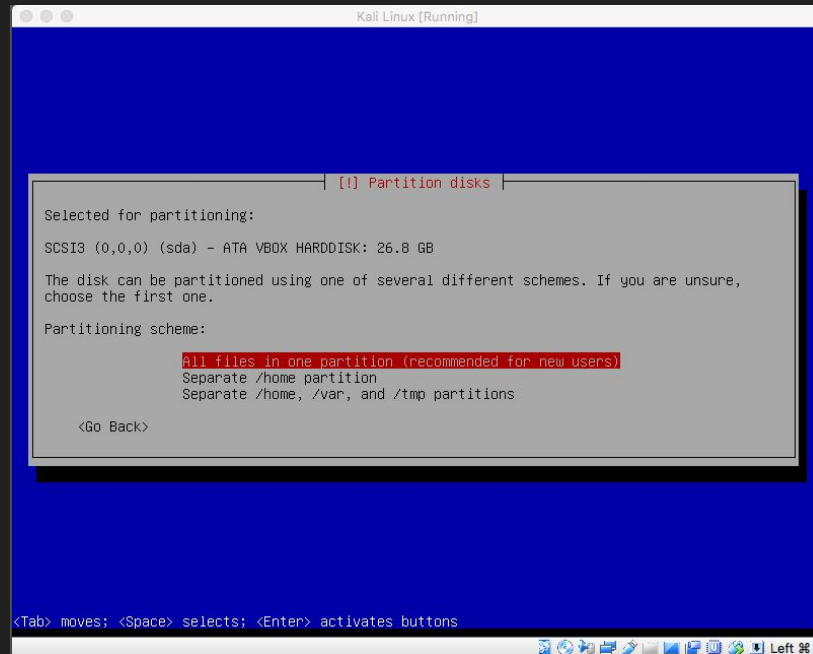
- Press “Enter” to select “SCSI3 ... VBOX HARDDISK” as the disk to be erased





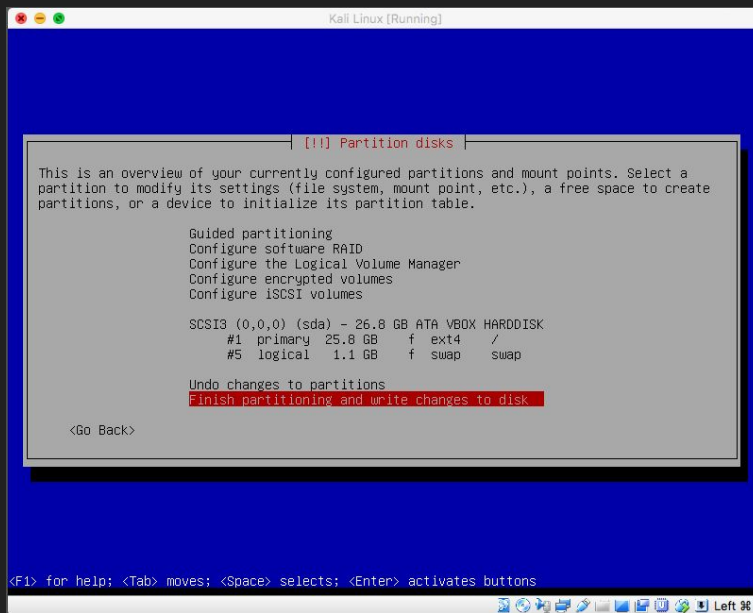
## Step 29

- Press “Enter” to select “All files in one partition”



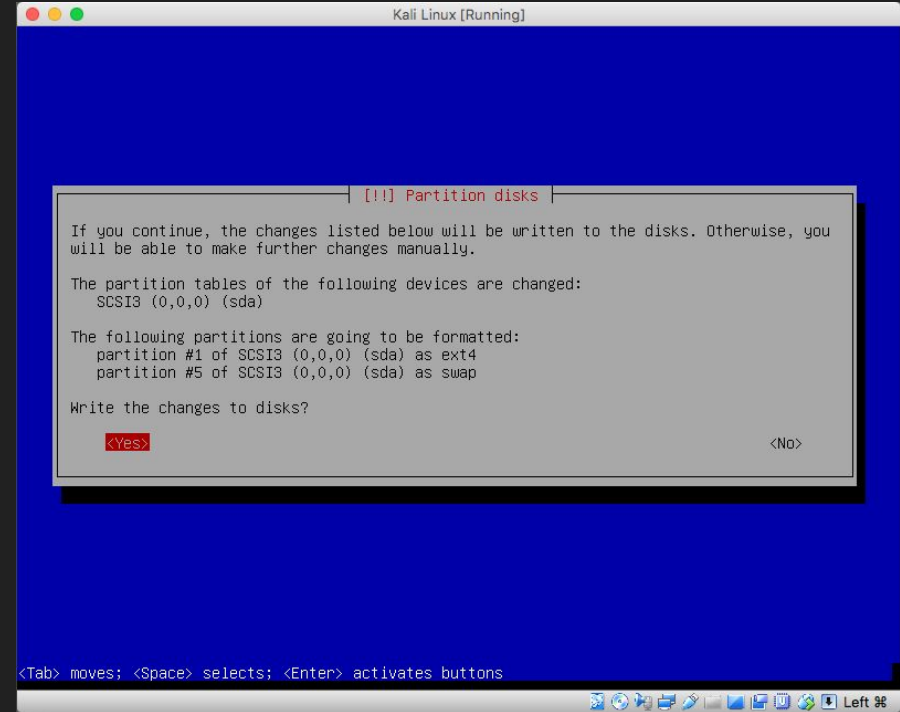
## Step 30

- Press “Enter” to select “Finish partitioning and write changes to disk”



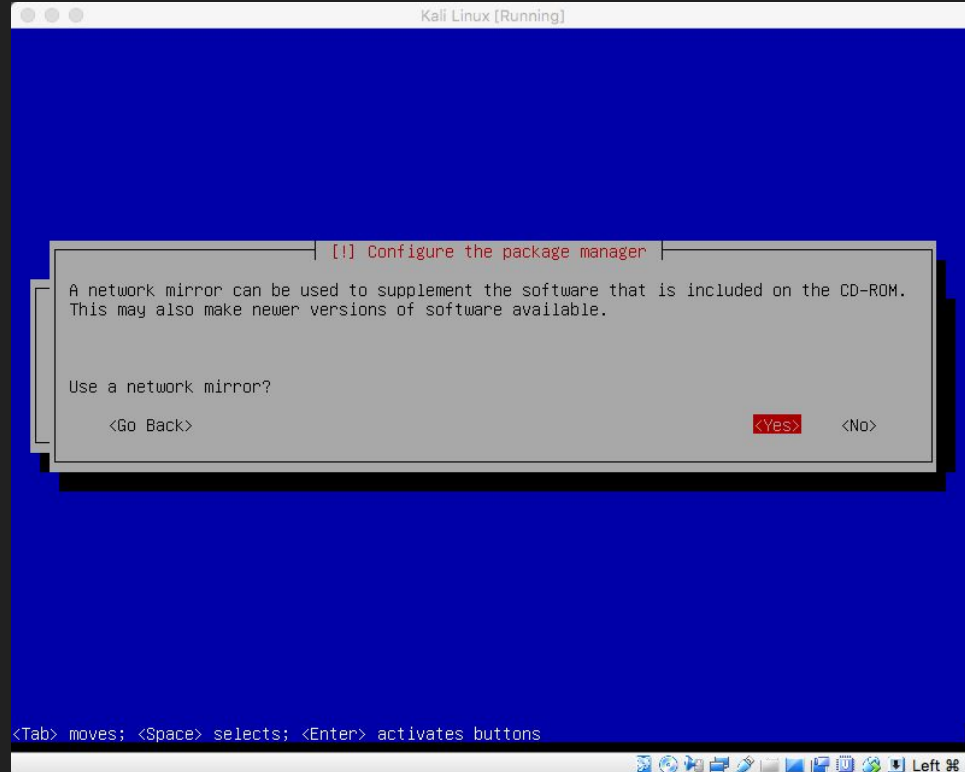
## Step 31

- Press “Tab” to select “Yes”
- Press “Enter”



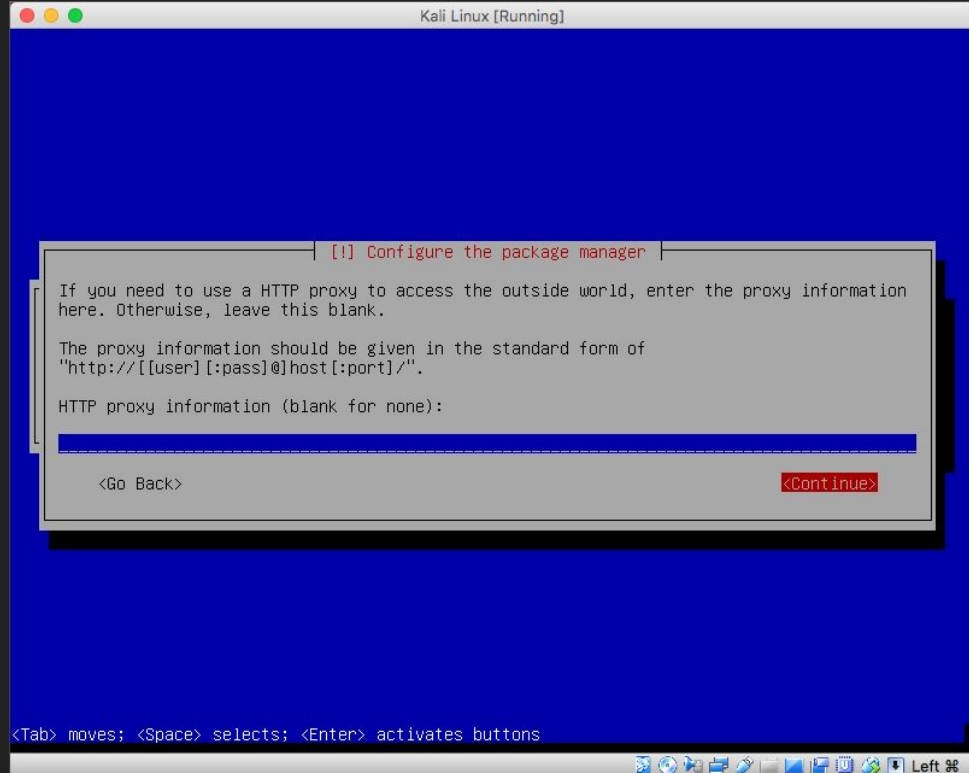
## Step 32

- Press “Tab” to select “Yes”
- Press “Enter”



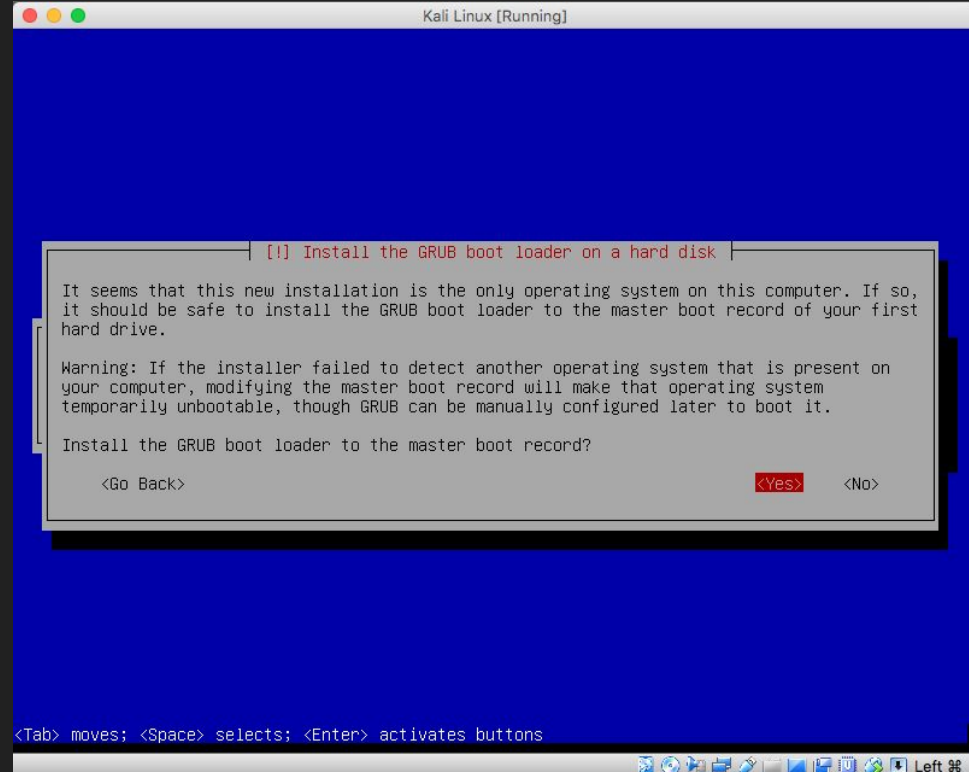
## Step 33

- Press “Tab” to select “Continue”
- Press “Enter”



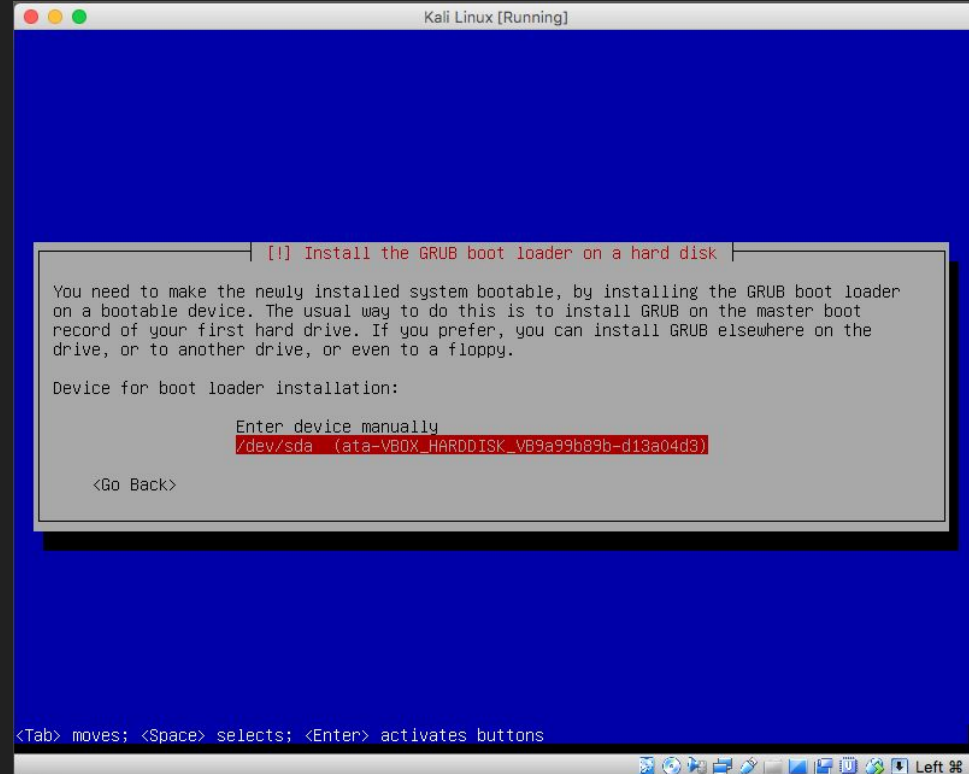
## Step 34

- Press “Enter” to select “Continue”



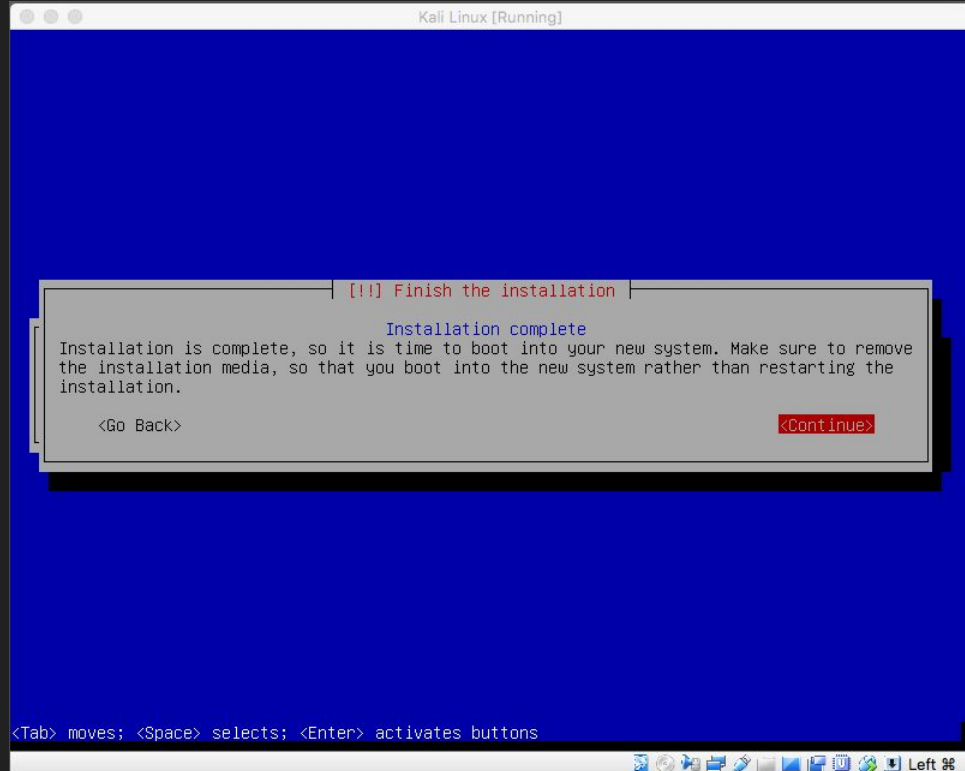
## Step 35

- Press the down arrow key to select “/dev/sda”
- Press “Enter”



## Step 36

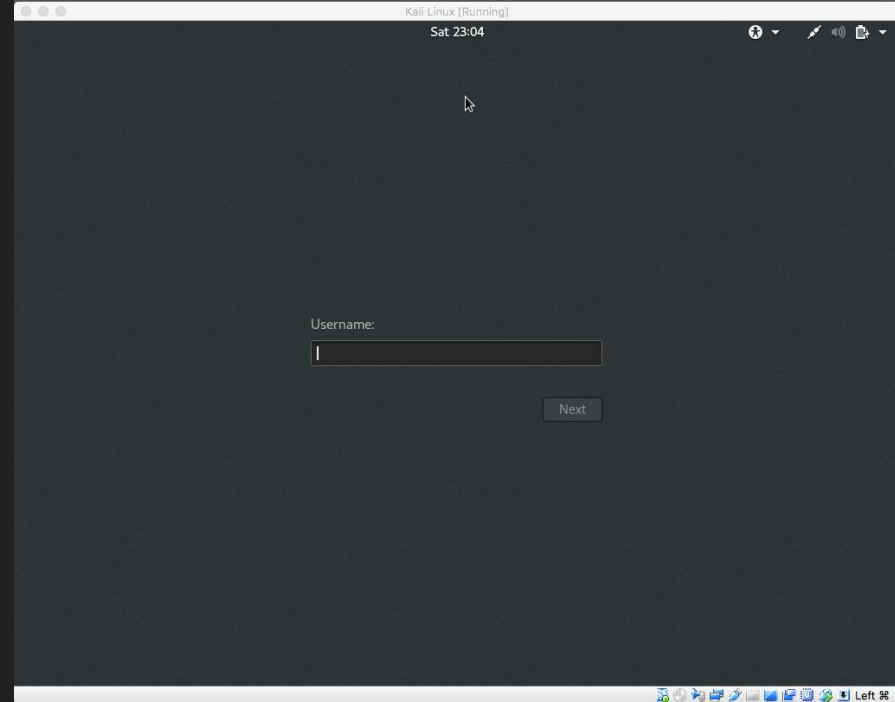
- Press “Enter” to complete the installation





# Check

- You should now see the login prompt
- Type: root
- Press “Enter”
- Type your password
- Press “Enter”



# Success!

