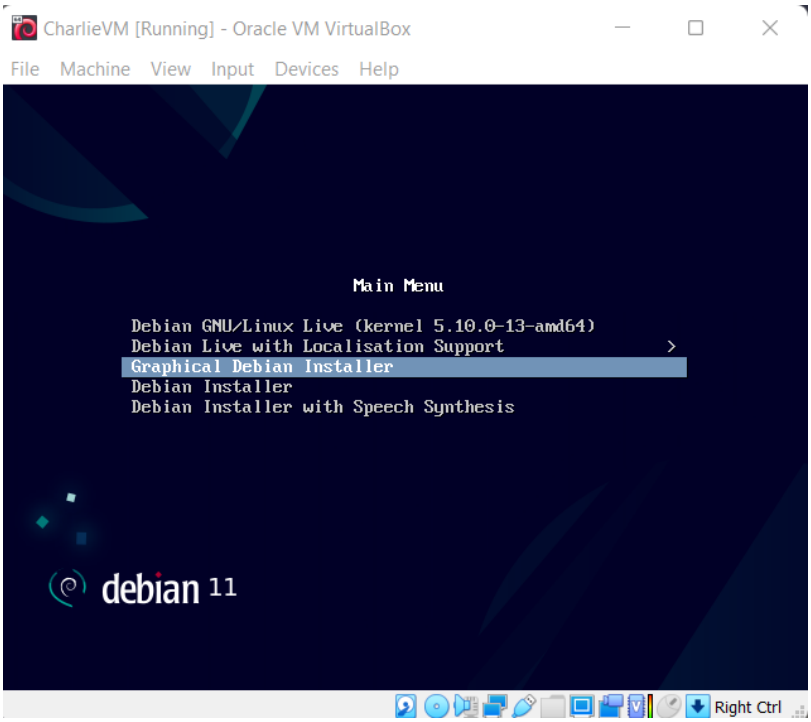
# Debian Bullseye 11 Installation Guide

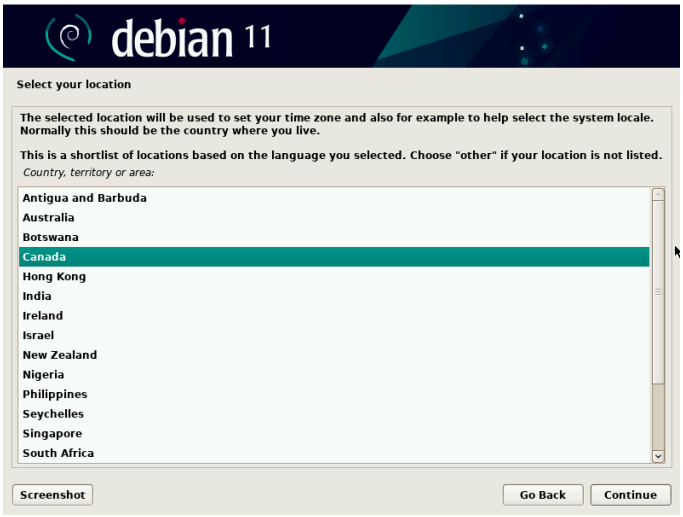
By Dinal Patel & Emmy Ea

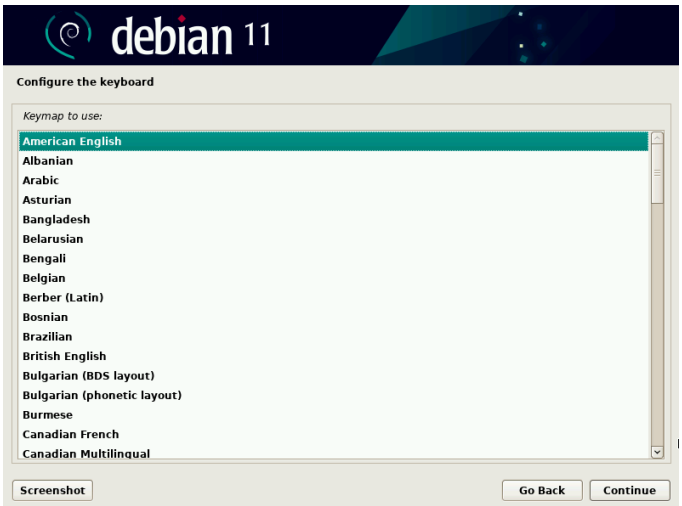


1. Start your virtual machine. Once booted you will be greeted with the main menu. Scroll down using your down key until you have reached Graphical Debian Installer. Press enter. Select your language of choice.



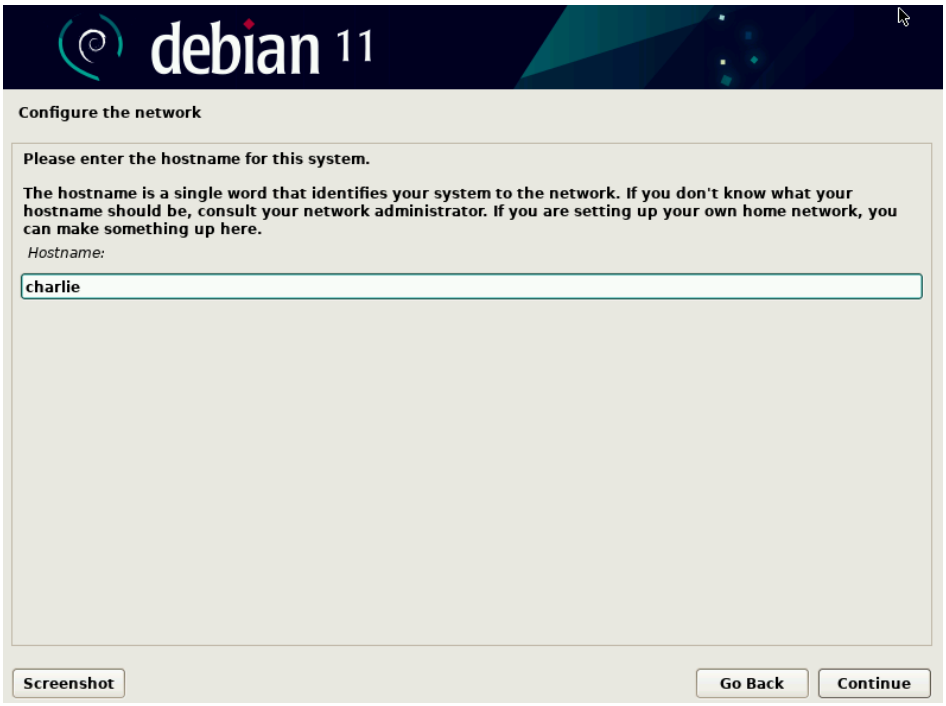

Press continue and  select your location. And then your keyboard layout.

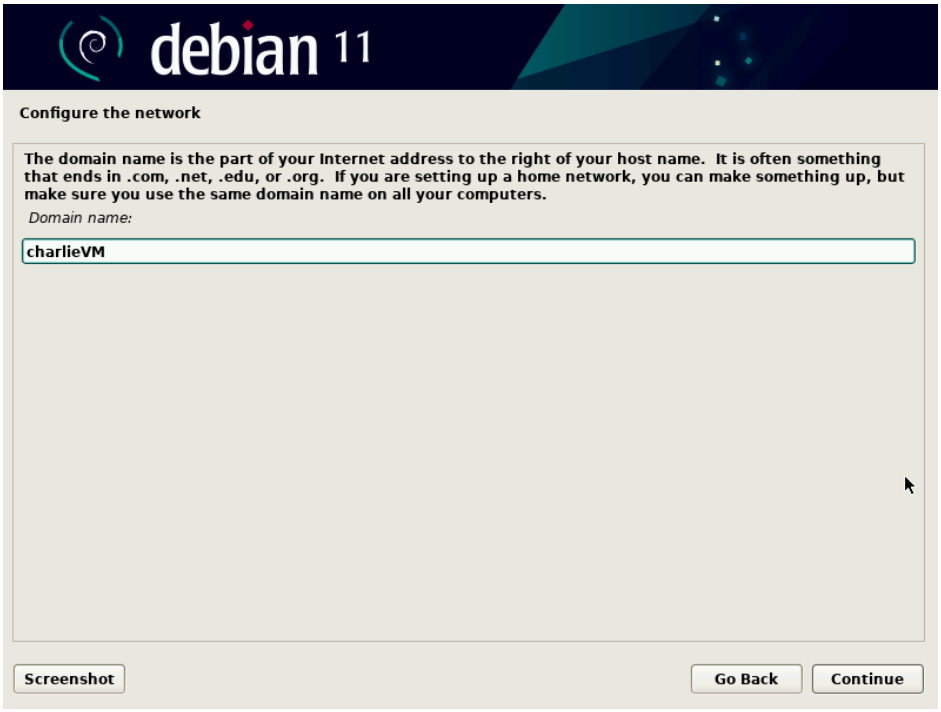




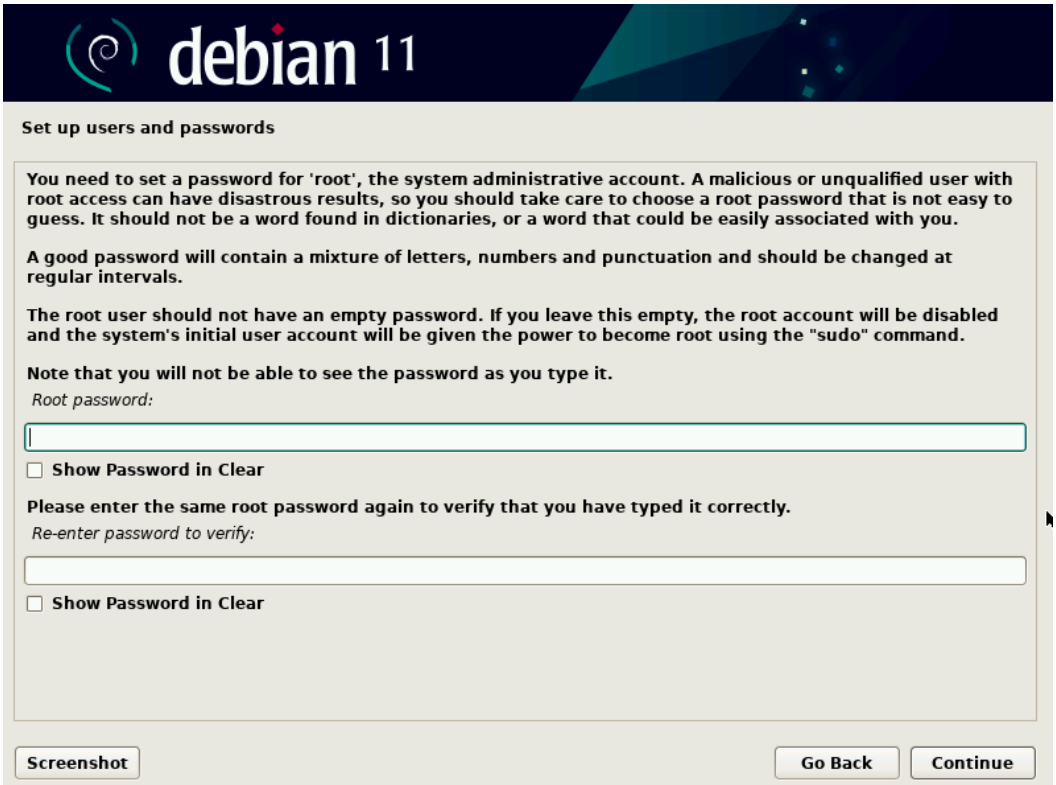


2. Configure the network. Enter a hostname and domain name. In this case the main user is Charlie.



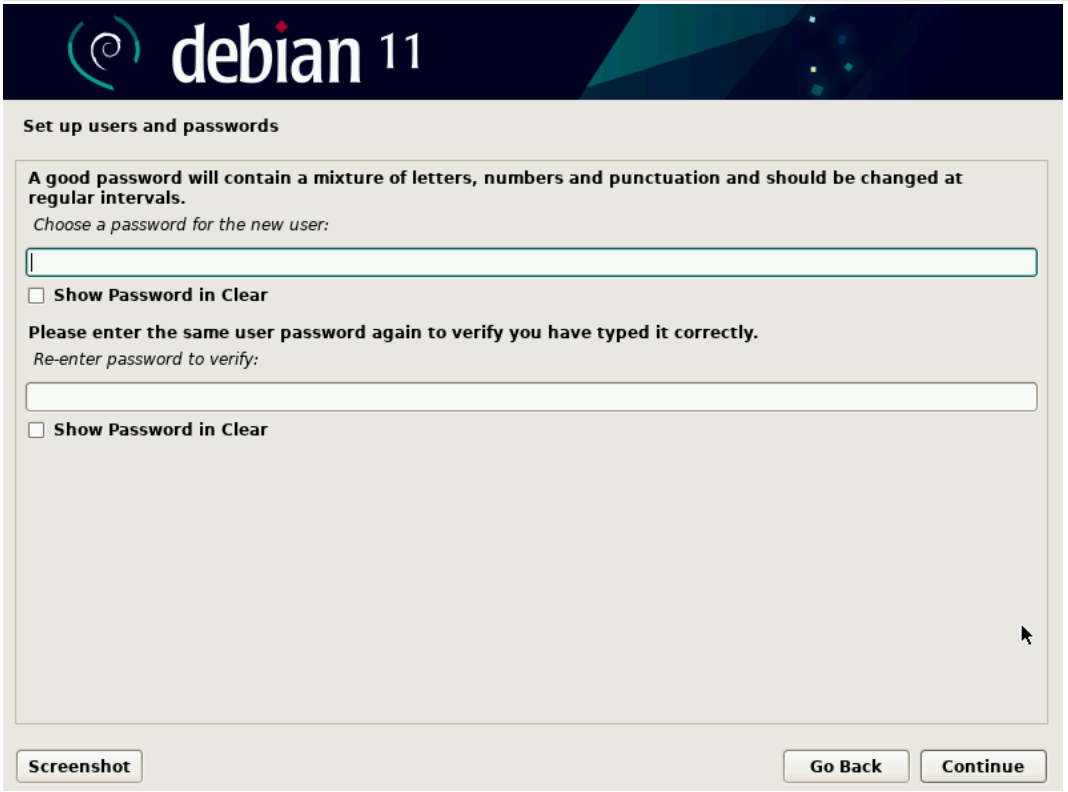

3. Setup root password and user. For the sake of this project all passwords are the same: music. We will provide ways for Charlie and the band to change the root passwords and user passwords once the installation is completed and they have access to the terminal.



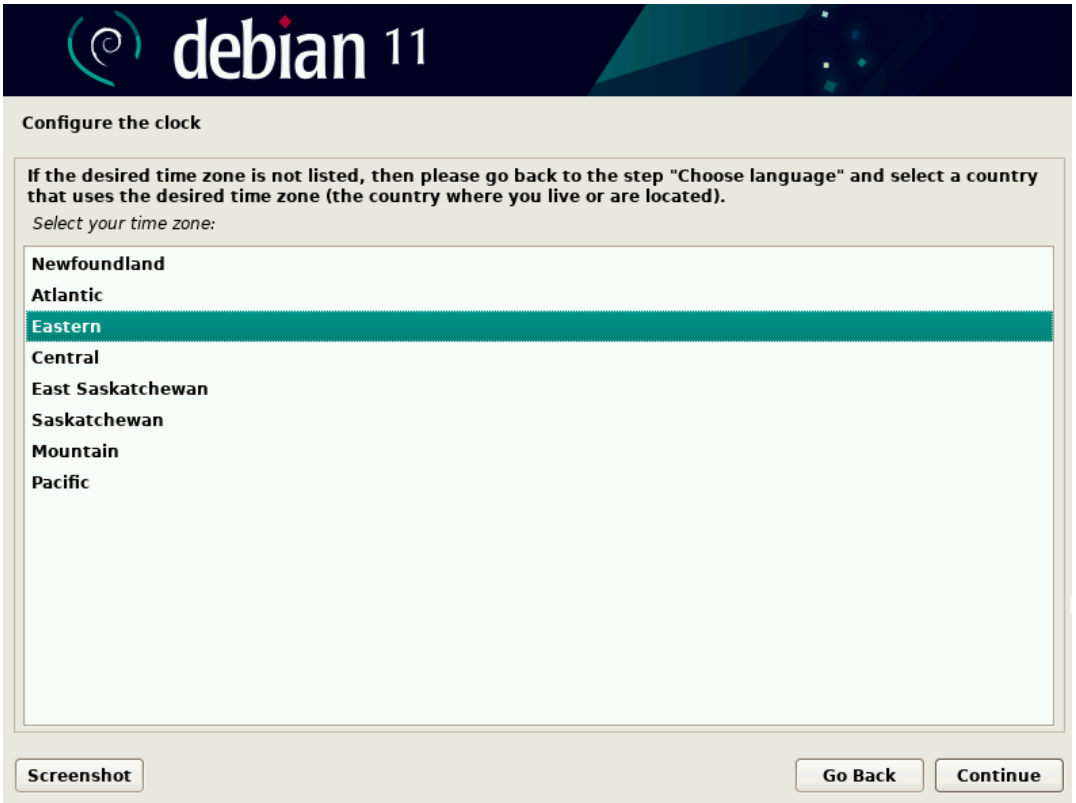


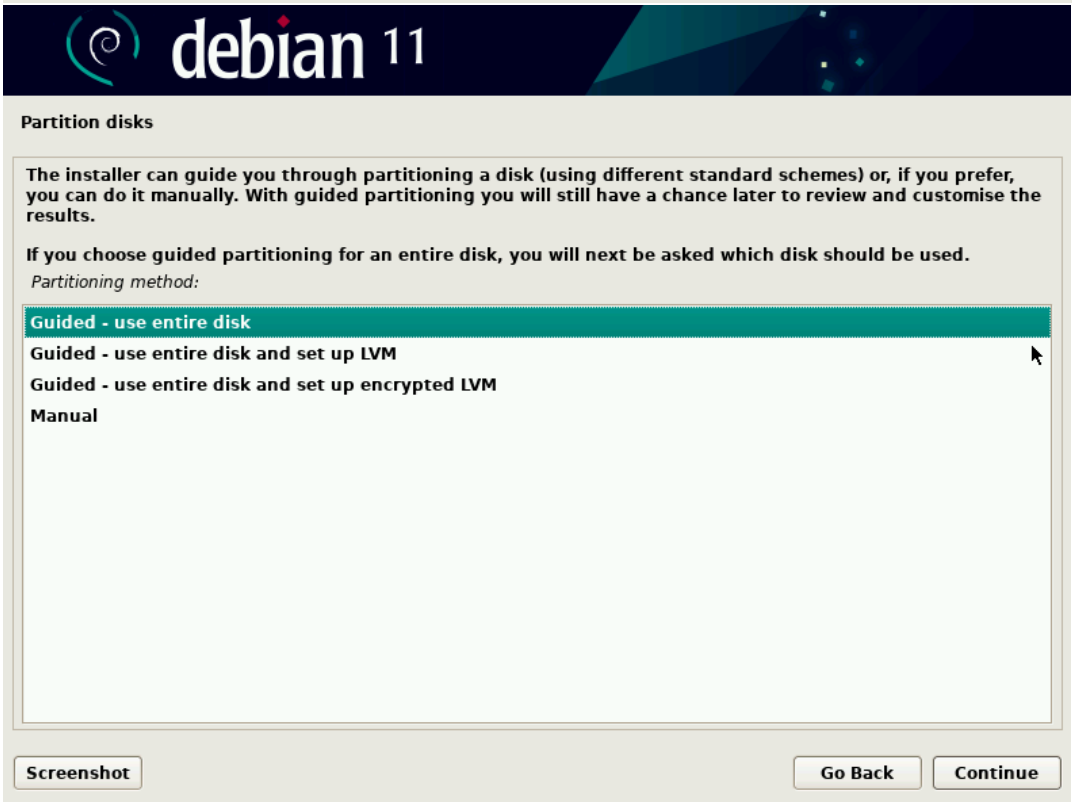
Here we are setting up Charlie as the main user. User: charlie, Password: music.


debian 11
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:
charlie
Screenshot
Go Back
Continue

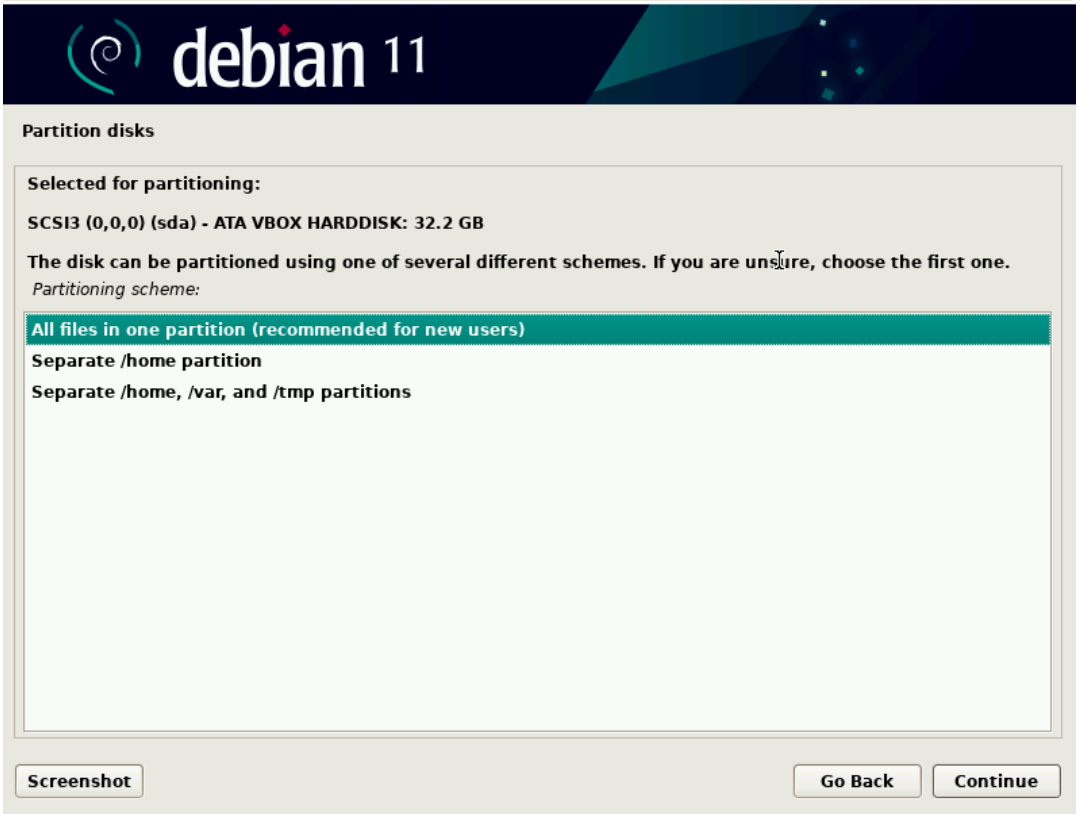

debian 11
Set up users and passwords
A good password will contain a mixture of letters, numbers and punctuation and should be changed at regular intervals.
Choose a password for the new user:
Show Password in Clear
Please enter the same user password again to verify you have typed it correctly.
Re-enter password to verify:
Show Password in Clear
Screenshot
Go Back
Continue

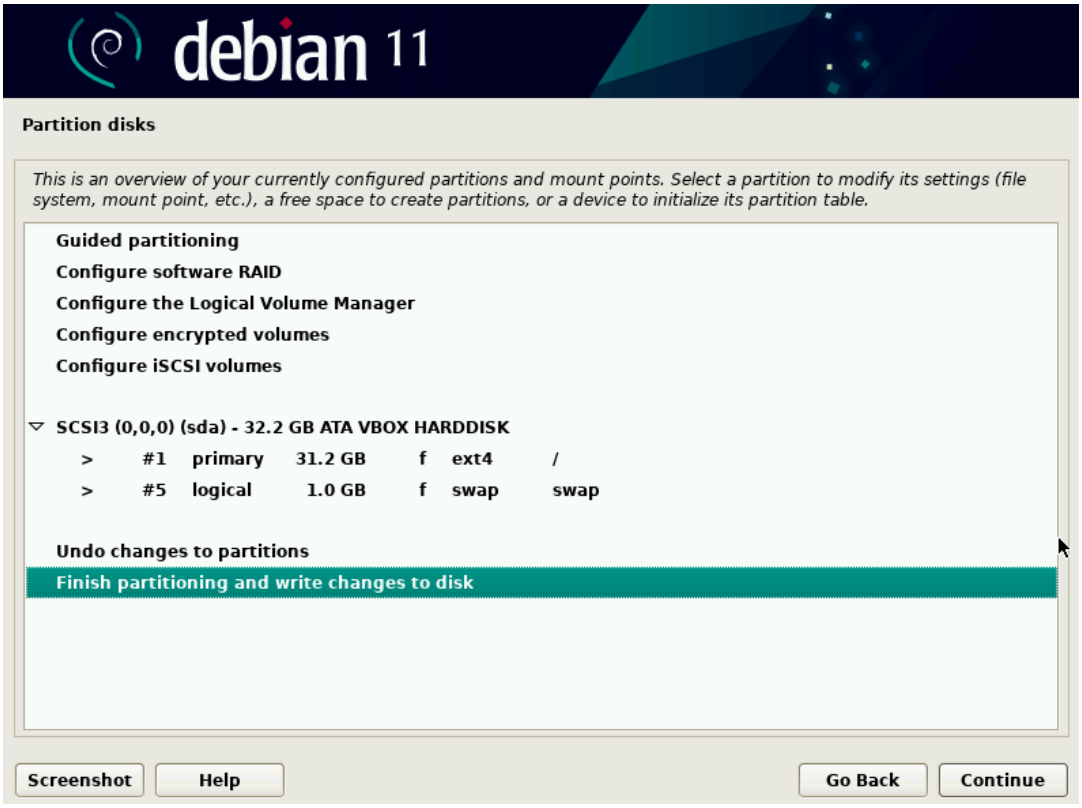
Configure the clock to your region. For partition disk, use entire disks since this is installed unto a virtual machine.

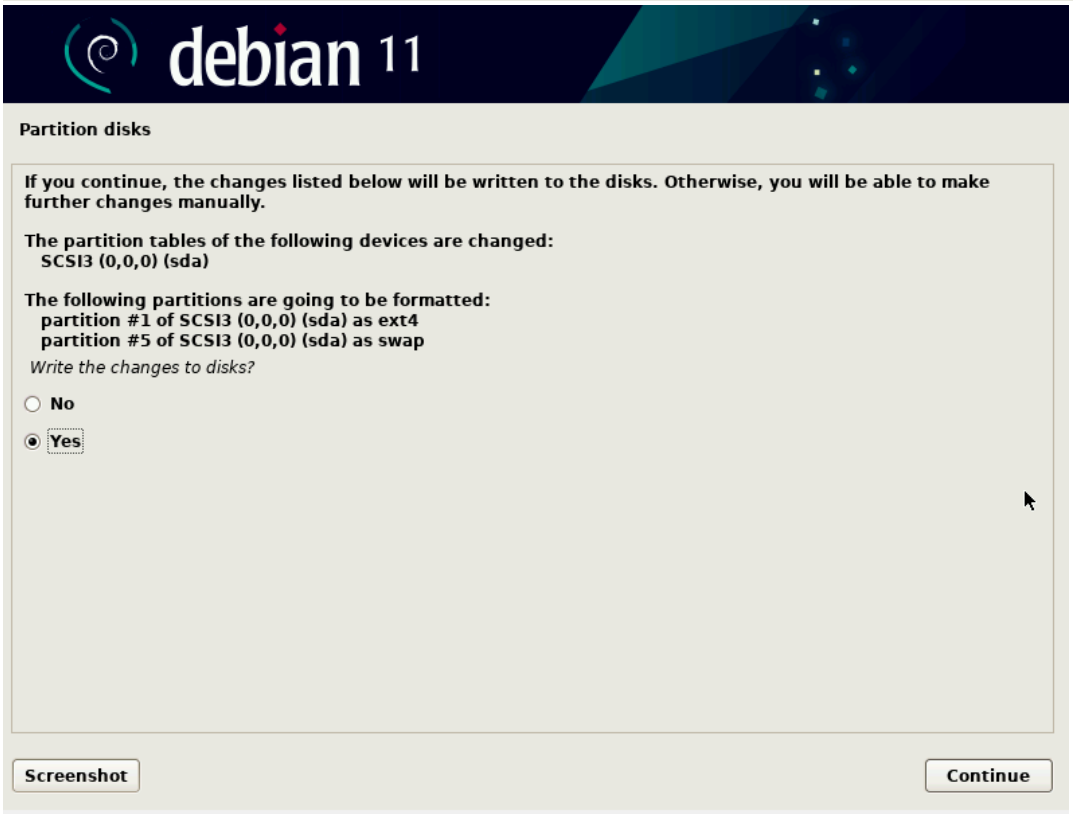


Select the hard disk and have all files in one partition. Finish you partition settings and save them.


debian 11
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
SCSI3 (0,0,0) (sda) - 32.2 GB ATA VBOX HARDDISK
> #1 primary 31.2 GB f ext4 /
> #5 logical 1.0 GB f swap swap
Undo changes to partitions
Finish partitioning and write changes to disk
Screenshot
Help
Go Back
Continue


debian 11
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:
SCSI3 (0,0,0) (sda)
The following partitions are going to be formatted:
partition #1 of SCSI3 (0,0,0) (sda) as ext4
partition #5 of SCSI3 (0,0,0) (sda) as swap
Write the changes to disks?
No
Yes
Screenshot
Continue

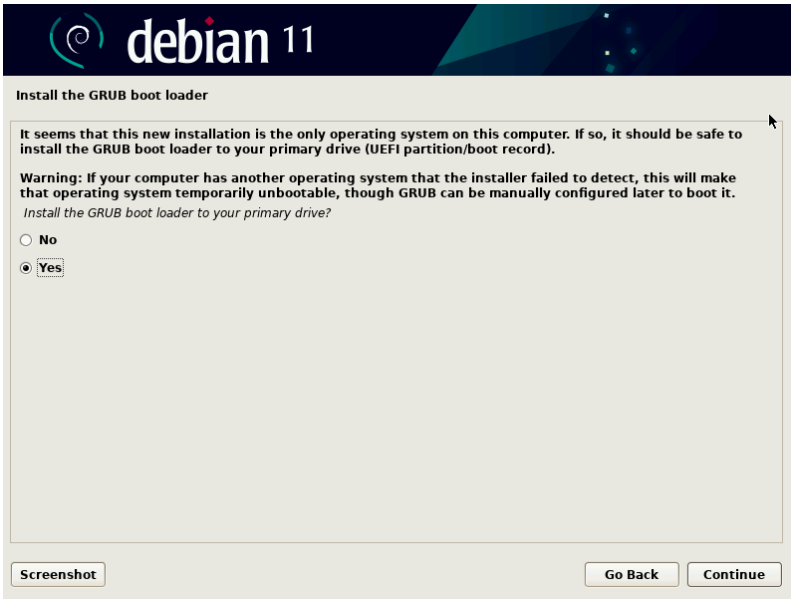
Set a network mirror and continue the installation.

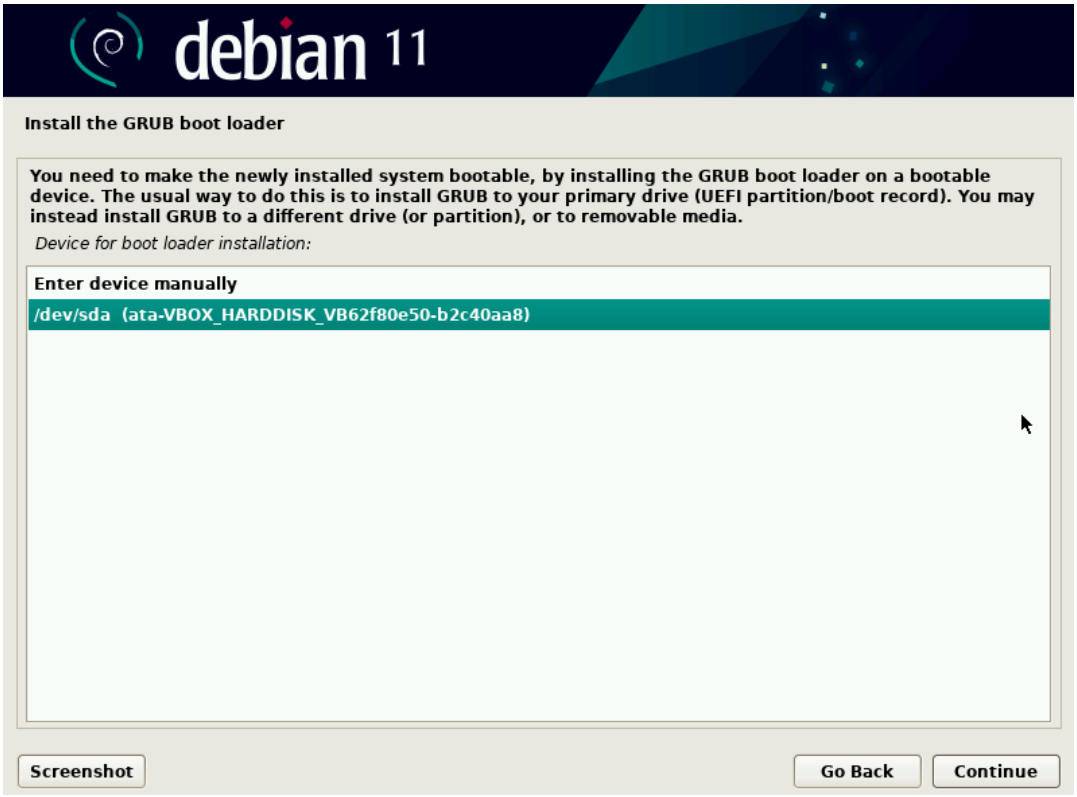



debian 11
Configure the package manager
Please select a Debian archive mirror. You should use a mirror in your country or region if you do not know which mirror has the best Internet connection to you.
Usually, deb.debian.org is a good choice.
Debian archive mirror:
debian.mirror.rafal.ca
debian.mirror.iweb.ca
ftp.ca.debian.org
mirror.it.ubc.ca
deb.debian.org
debian-archive.trafficmanager.net
debian.mirror.globo.tech
debian.mirror.estruxture.net
mirror.csclub.uwaterloo.ca
debian.ca-west.mirror.fullhost.com
Screenshot
Go Back
Continue

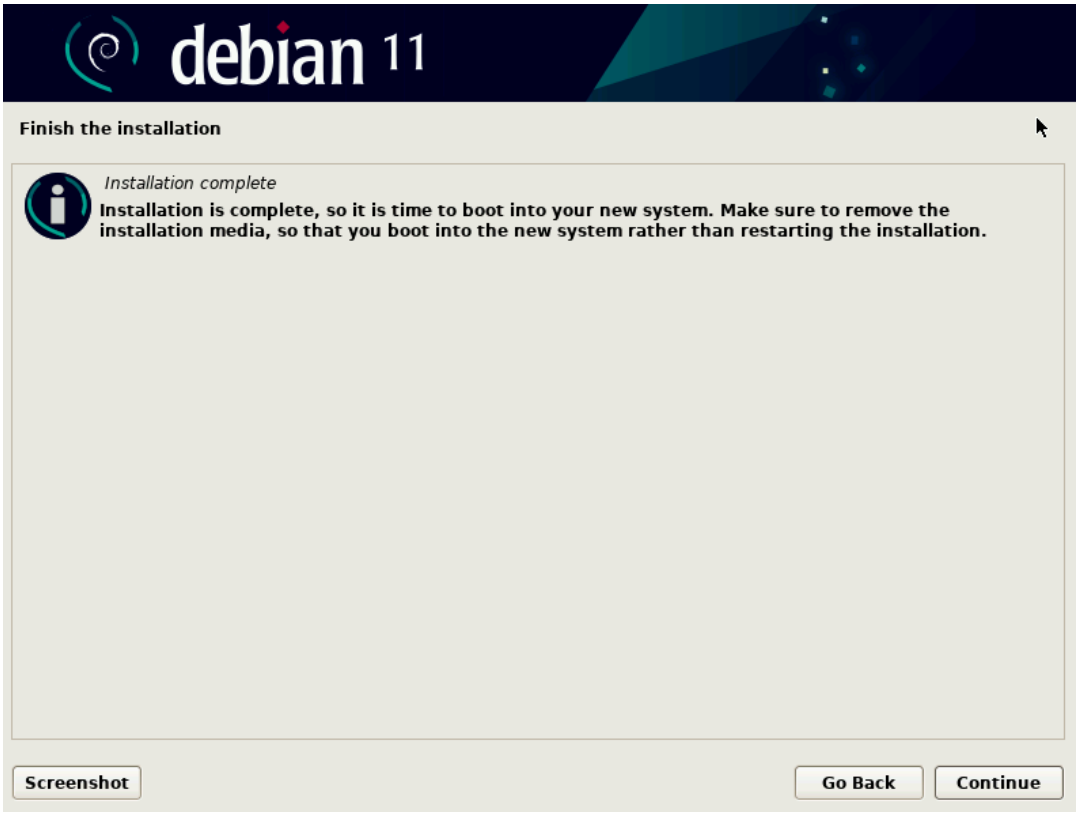

debian 11
Configure the package manager
If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.
The proxy information should be given in the standard form of "http://[[user][:pass]@]host[:port]/".
HTTP proxy information (blank for none):
Screenshot
Go Back
Continue

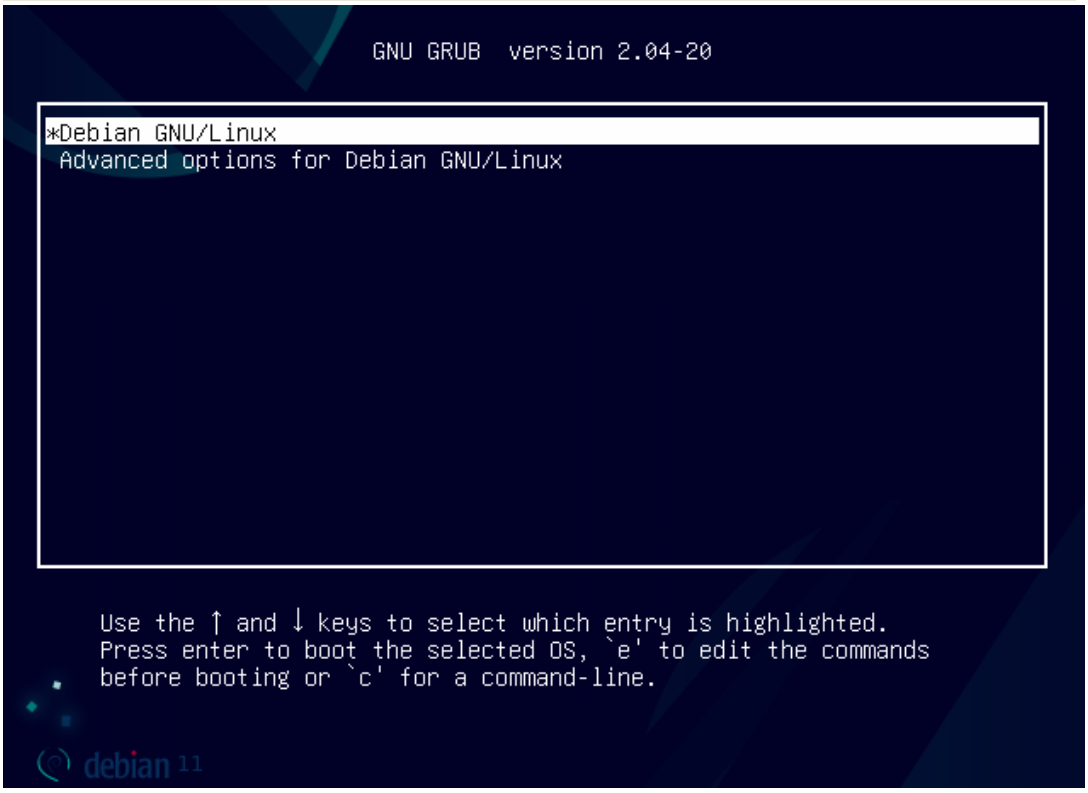
Install the GRUB boot loader and select the device.



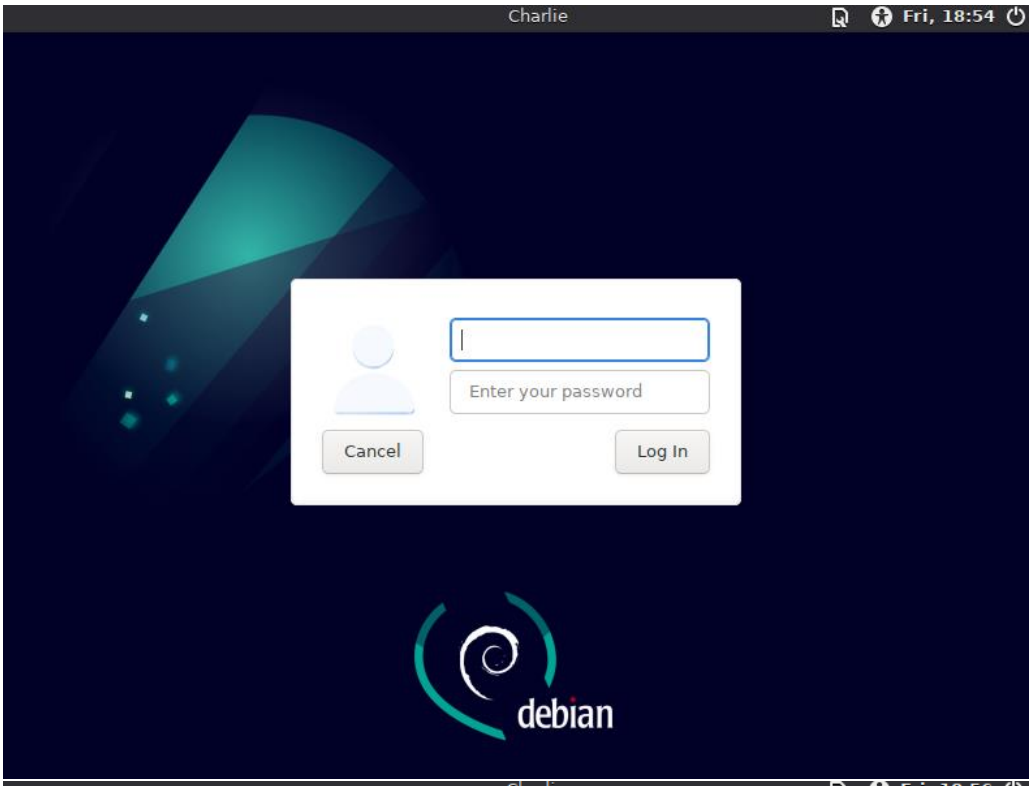



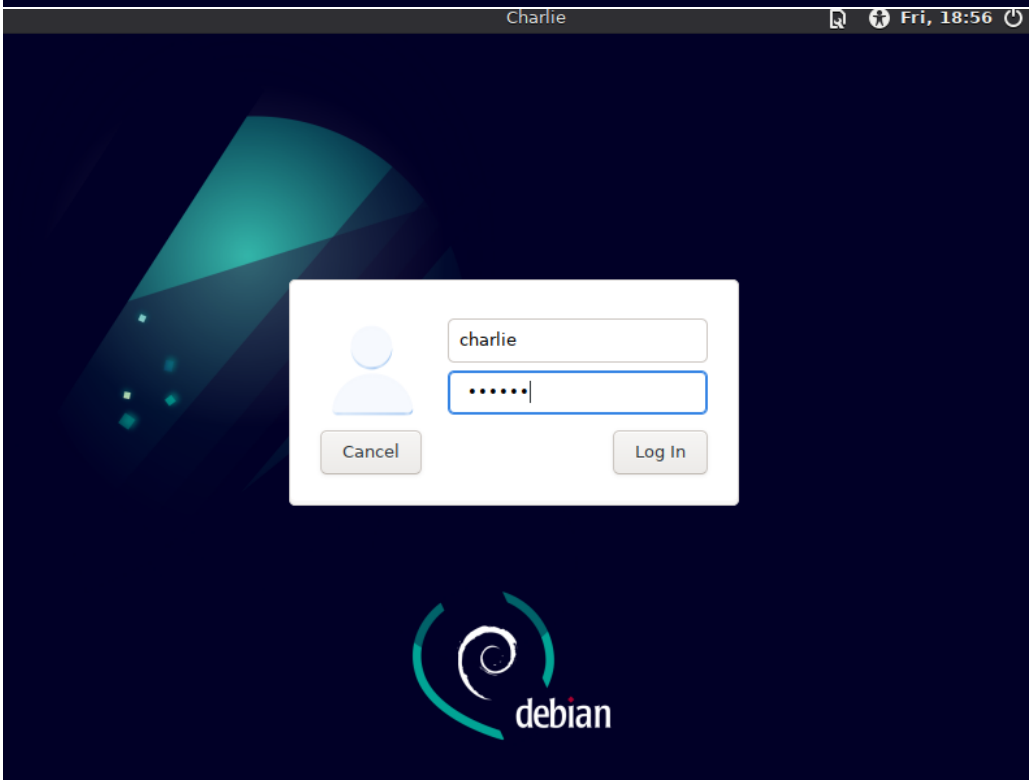

Once the installation is complete you can now restart your virtual machine. You will be greeted by the GNU GRUB menu when you reboot. Select Debian GNU/Linux to start Cinnamon.



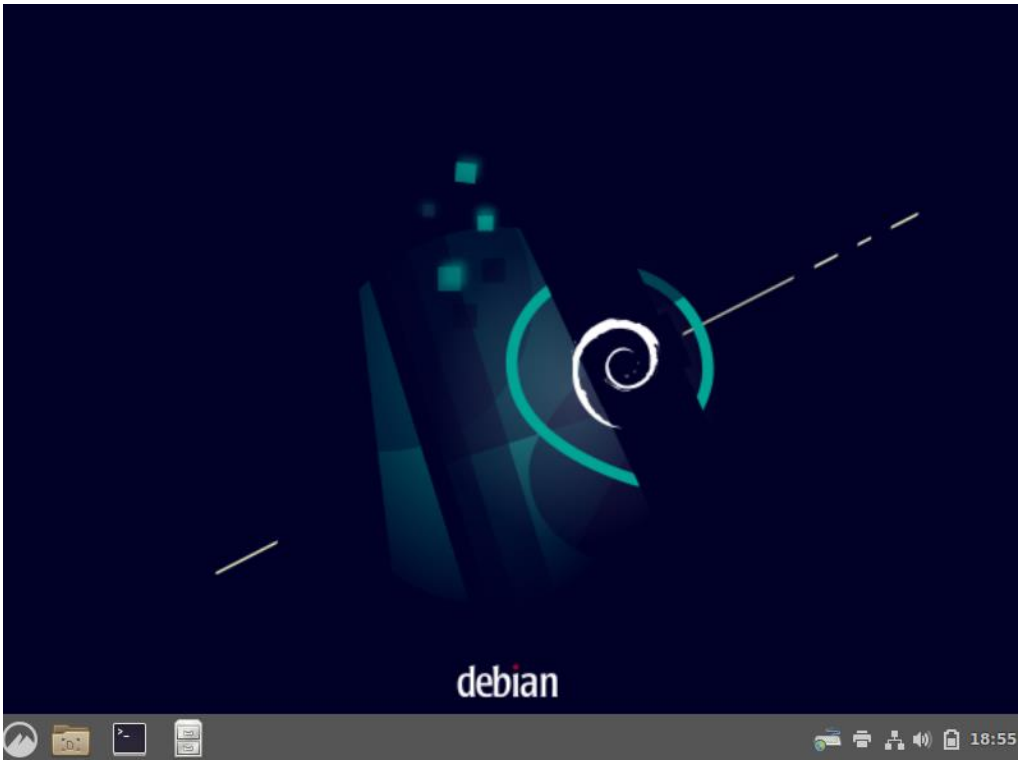




Username: charlie, Password: music

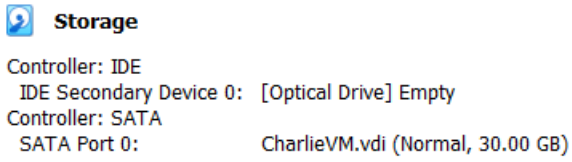

Charlie
Fri, 18:54
Enter your password
Cancel
Log In
debian


Charlie
Fri, 18:56
charlie
Cancel
Log In
debian

Congratulations! You made it to your music desktop!




IMPORTANT: REMEMBER TO REMOVE YOUR ISO FROM THE OPTICAL DRIVE IF YOU DON'T WANT TO REINSTALL. This should automatically be removed but just in case, it always prudent to verify.




** Desktop shown is a prototype and does not reflect the final project.