

Apoorva s
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Freenas installation in ubuntu

step 1: Download vm-palyer 17 pro

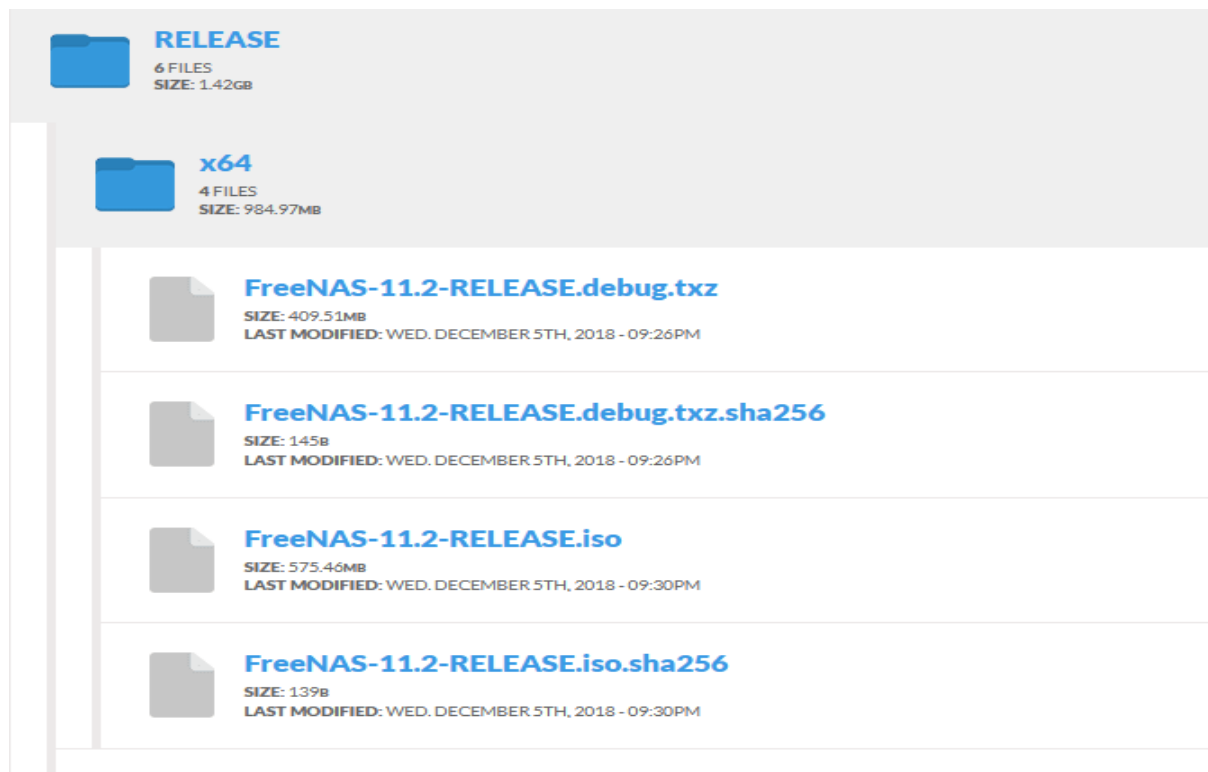
Downloads Virtual machine form <https://www.techspot.com/downloads/4481-virtualbox.html>.

After download go to downloads select the downloaded vm thenk right click give permission.



Step 2: Download freenas i.e freenNAS-11.2-RELEASE.iso

Download frees for linux in <https://download.freenas.org/11.2/STABLE/RELEASE/x64/FreeNAS-11.2-RELEASE.iso>



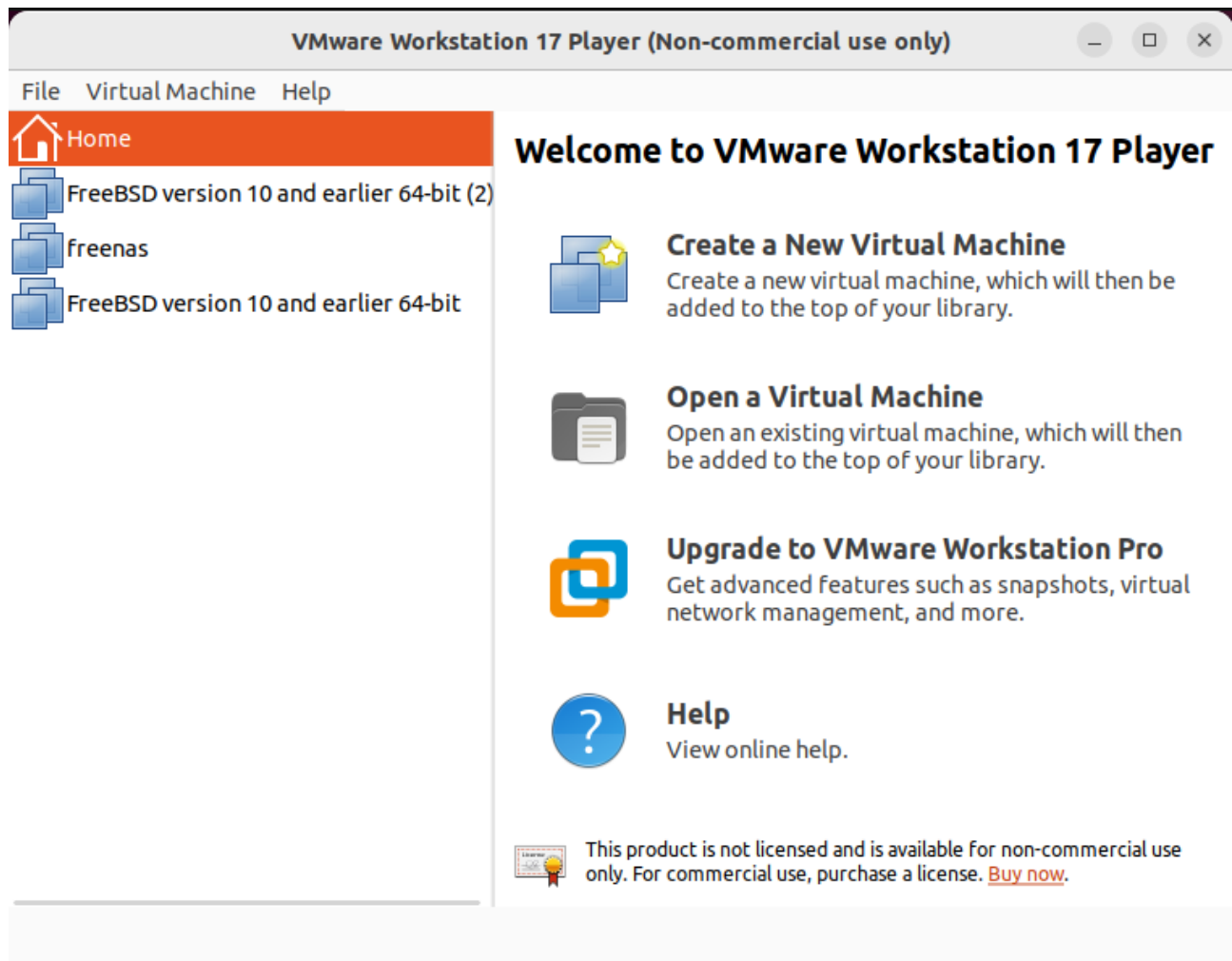
Step 3: go to terminal and install virtual machine

-sudo ~/Downloads/Vmware-Player*

```
msis@k8worker2:~$ sudo ~/Downloads/VMware-Player*
Extracting VMware Installer...done.

[#####] 100%
The system is up to date. Nothing has been modified.
```

step 4: Go to vmware and click on the create a new virtual machine



Then select the Installer disc image file i.e. freenas file. After choosing click on next.

vmware
WORKSTATION
PLAYER™

17

New Virtual Machine Wizard

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Welcome to the New Virtual Machine Wizard

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install operating system from:

☐ Use a physical drive:

Device:

☒ Use ISO image:

FreeBSD version 10 and earlier 64-bit detected.

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Give name and add location and the click on next.

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New Virtual Machine Wizard

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Name the Virtual Machine

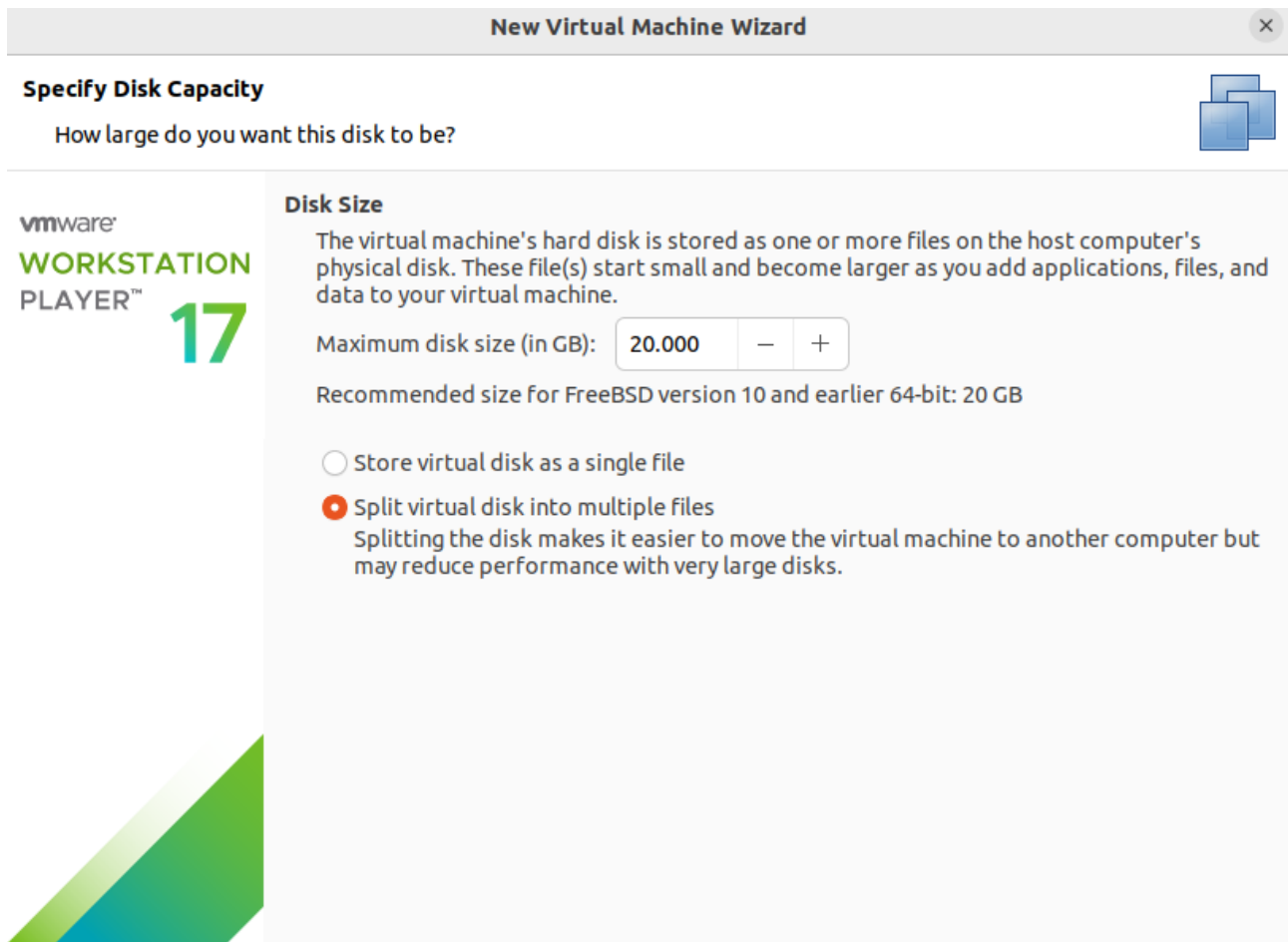
What name would you like to use for this virtual machine?

Virtual Machine Name

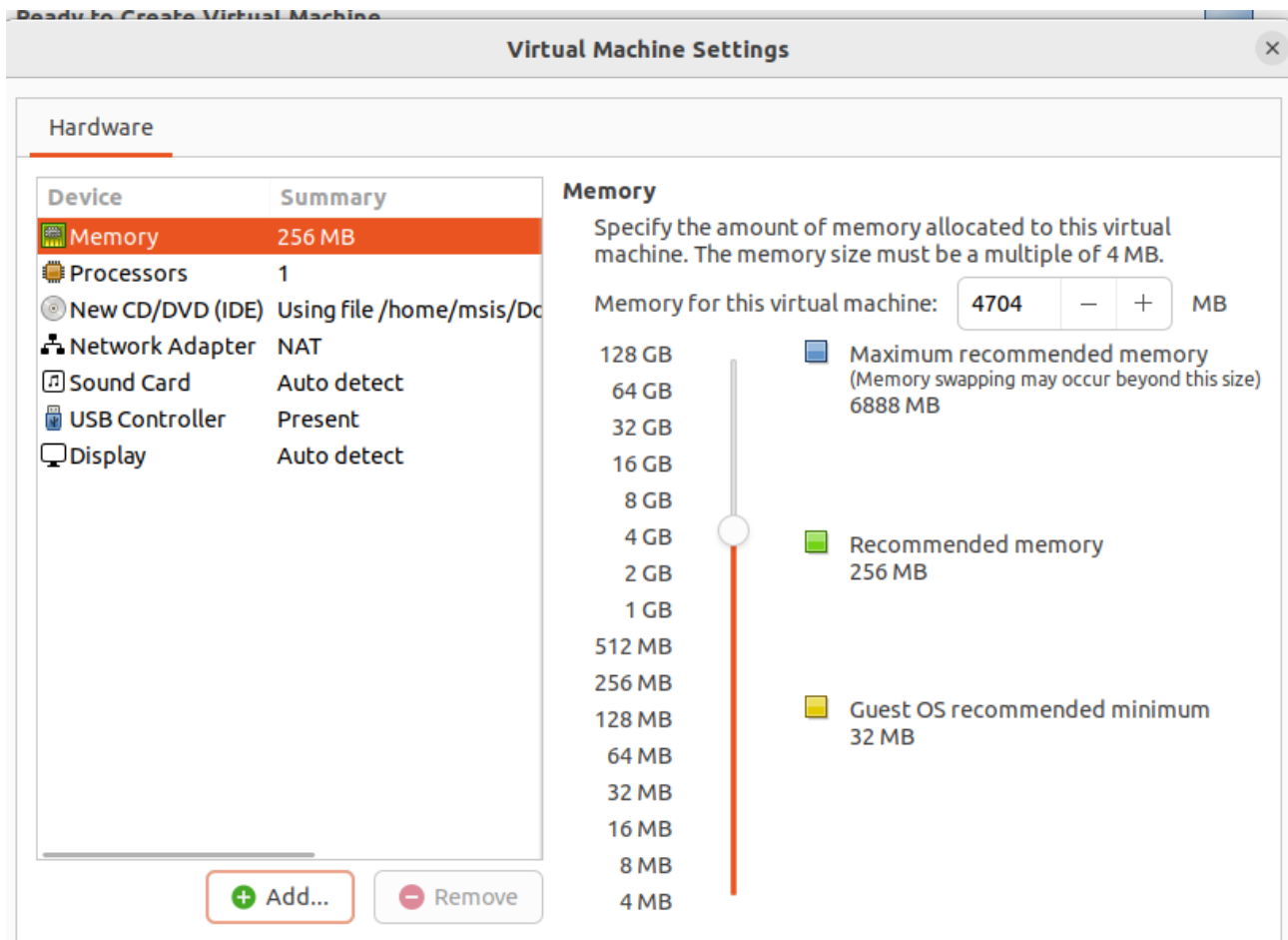
Name:

Location:

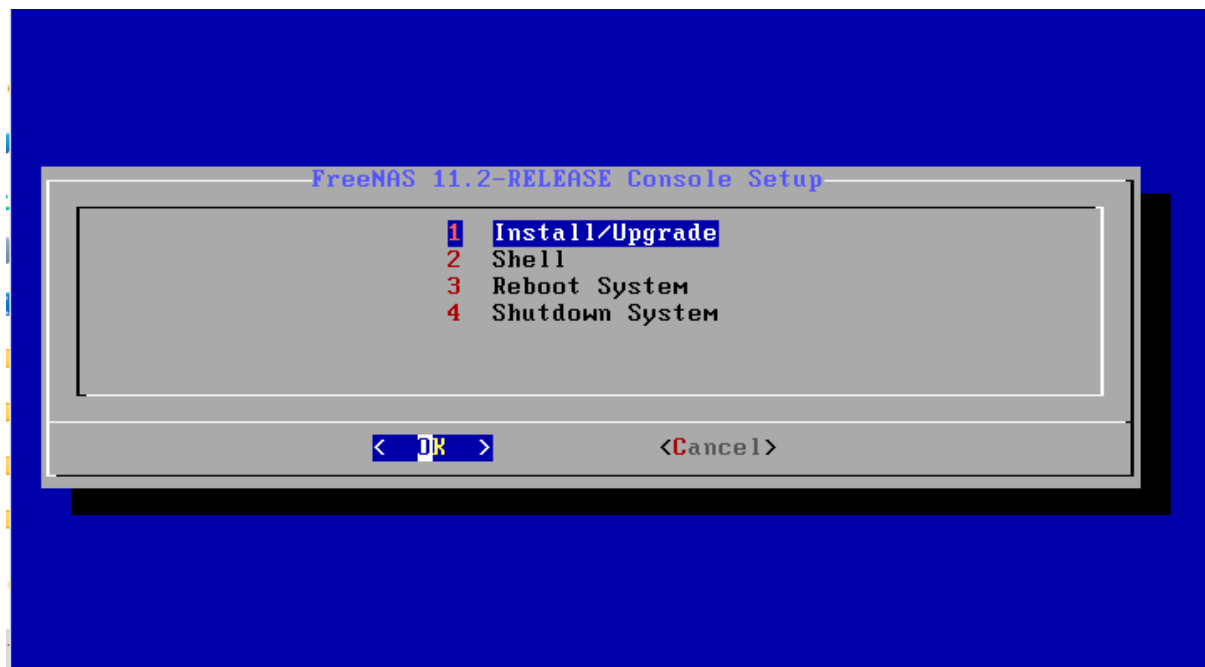
Then give 20GB to memory.



Then click on the customized hardware
Then add 4GB to memory



After this give finish then you will get the install and upgrade page

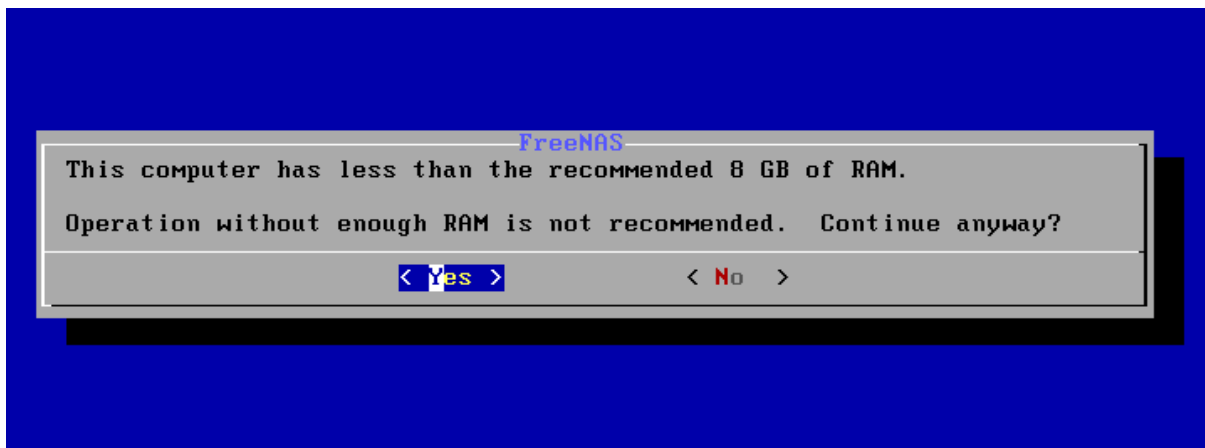


Click on the Install and Upgrade then click ok

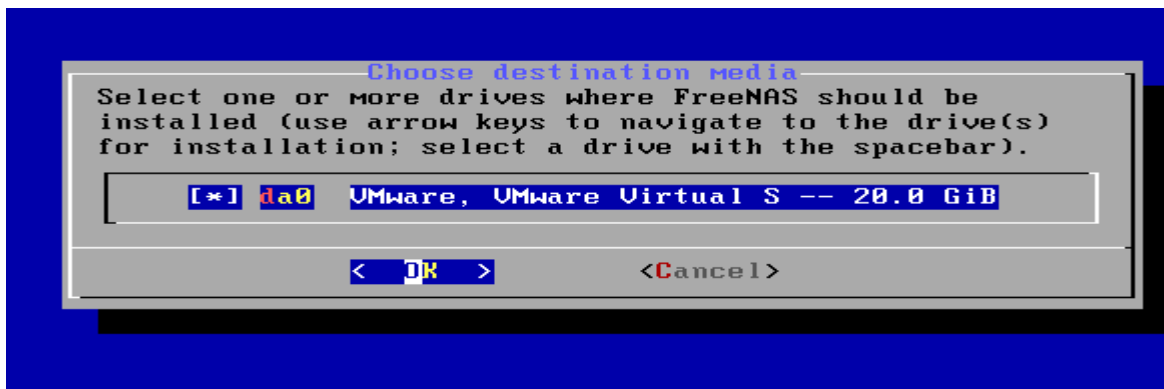
For inside work click ctrl+g

For outside the vm click ctrl+alt

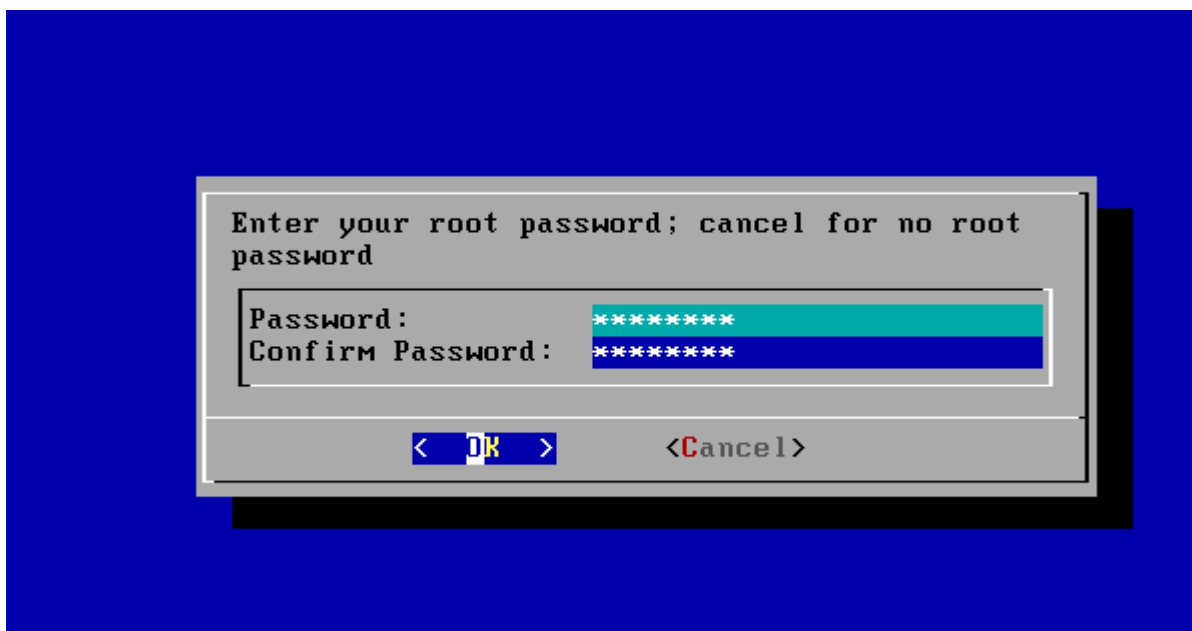
Give yes



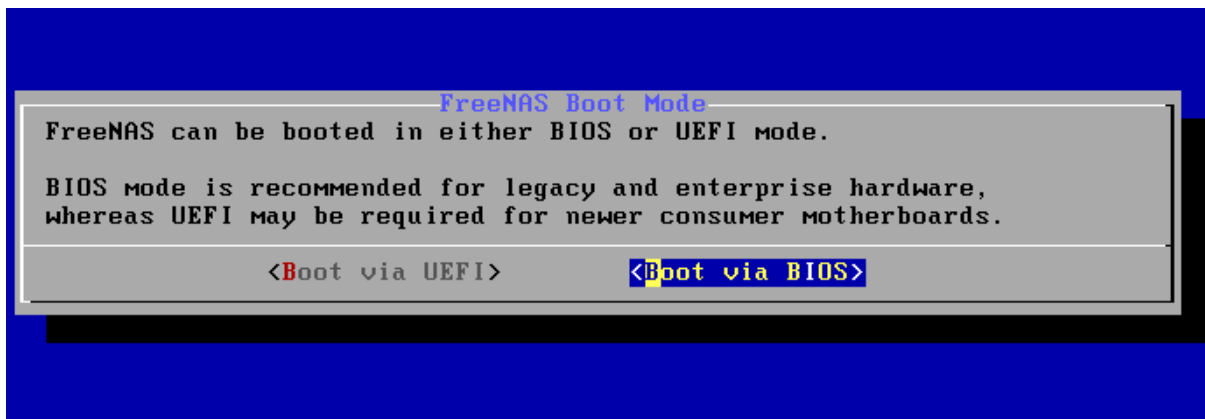
Then press space in the keyboard for apply * on the blank space thenk click ok



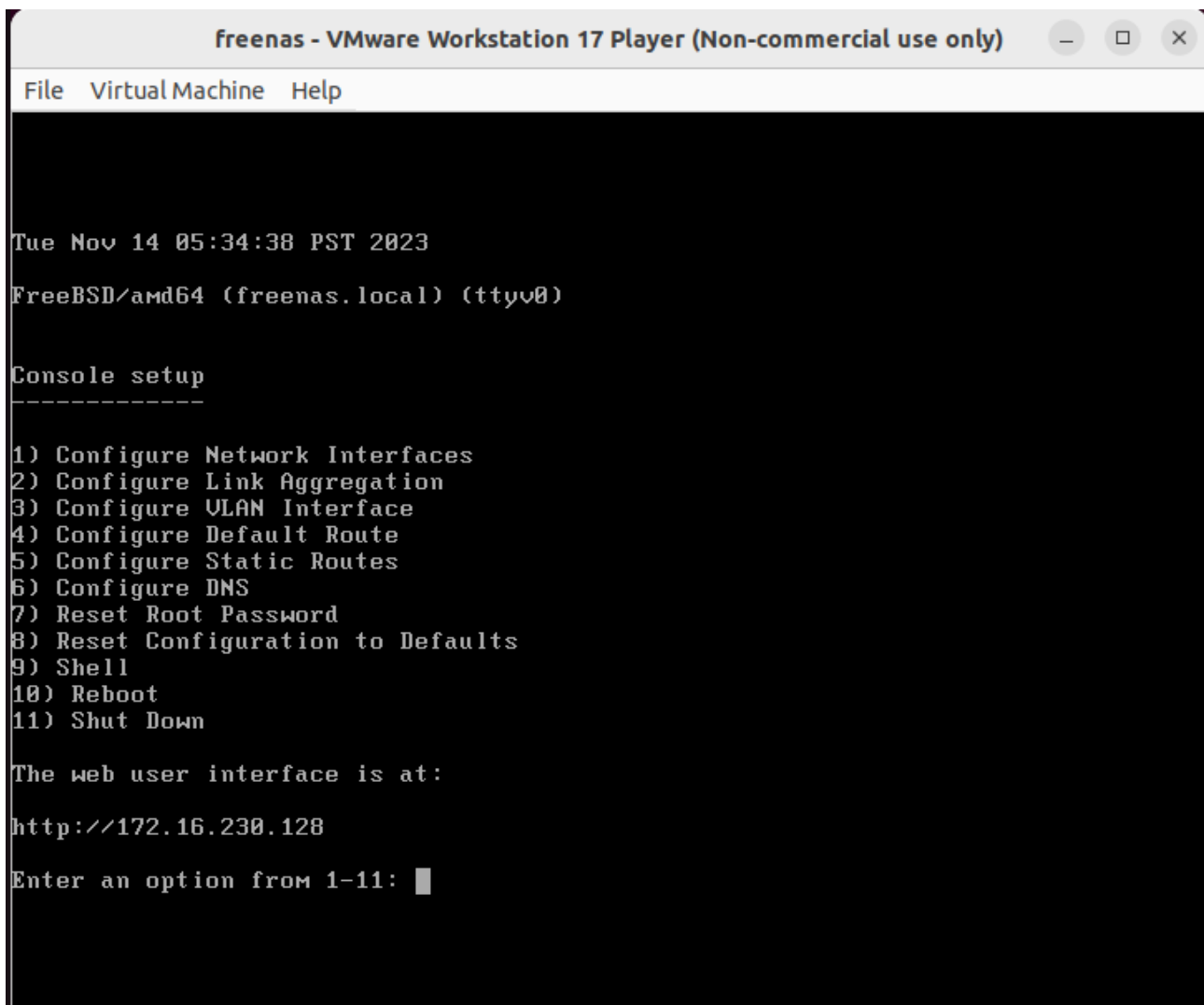
Then give the password(sois@123)-> ok



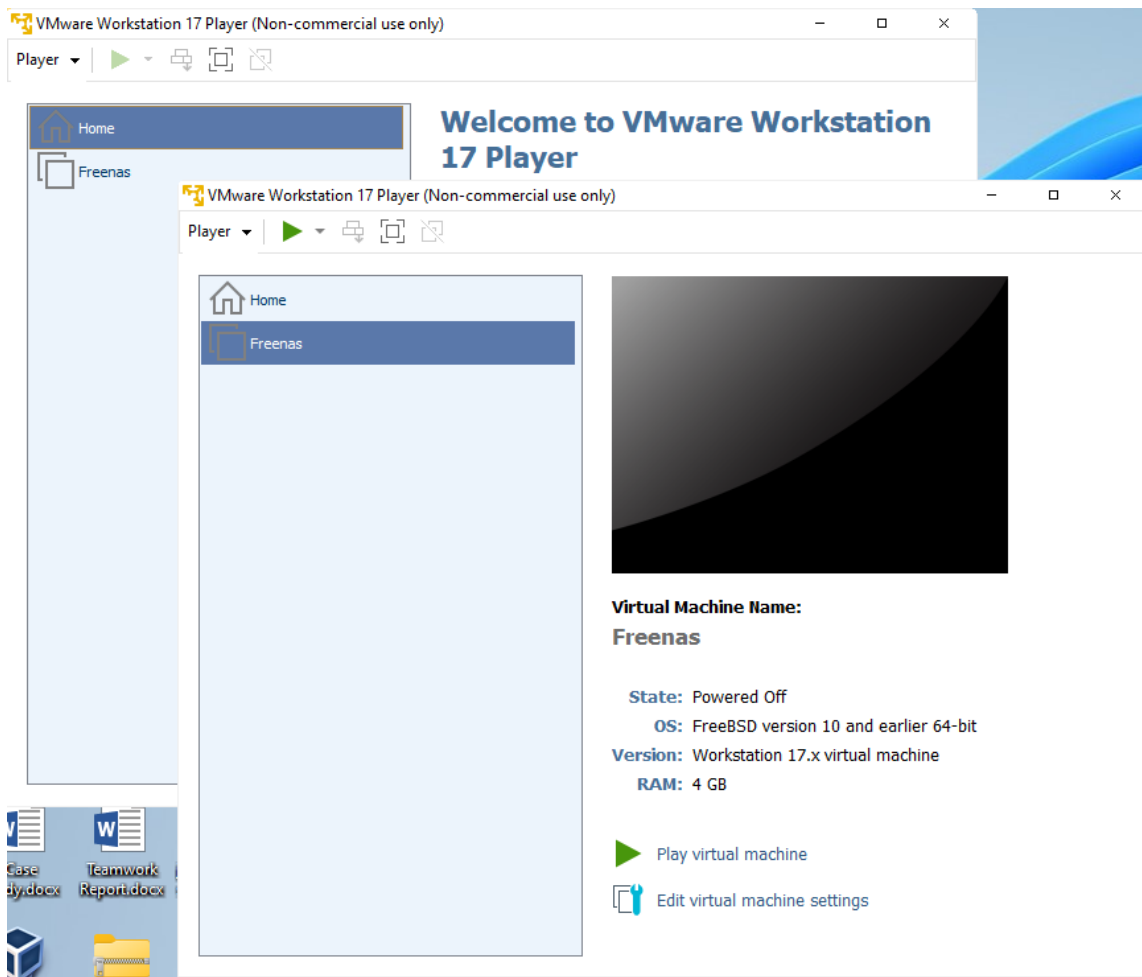
Then click on the Boot via BIOS



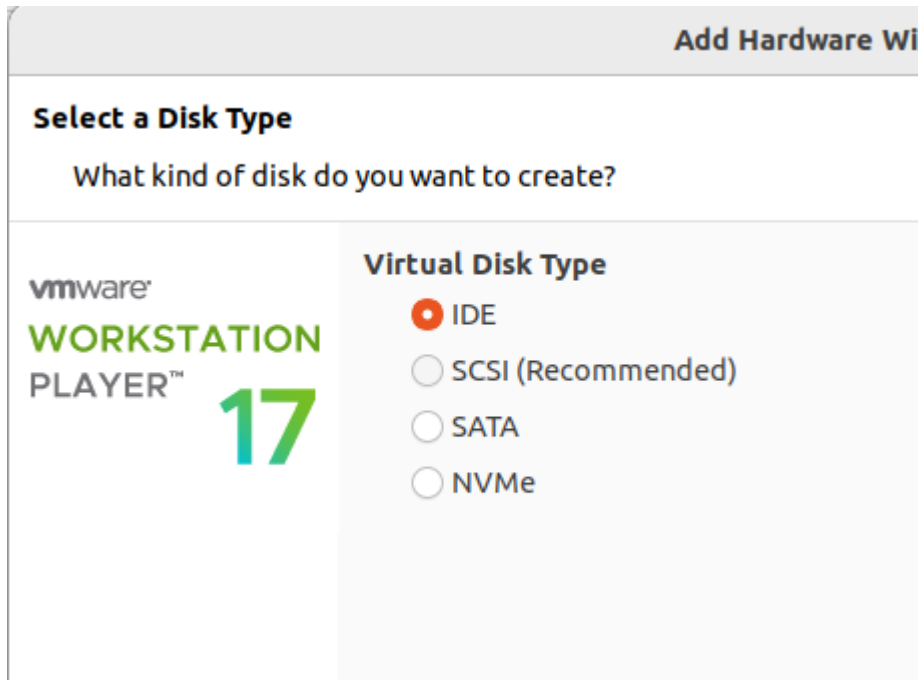
Then it will boot the you will get the ip address



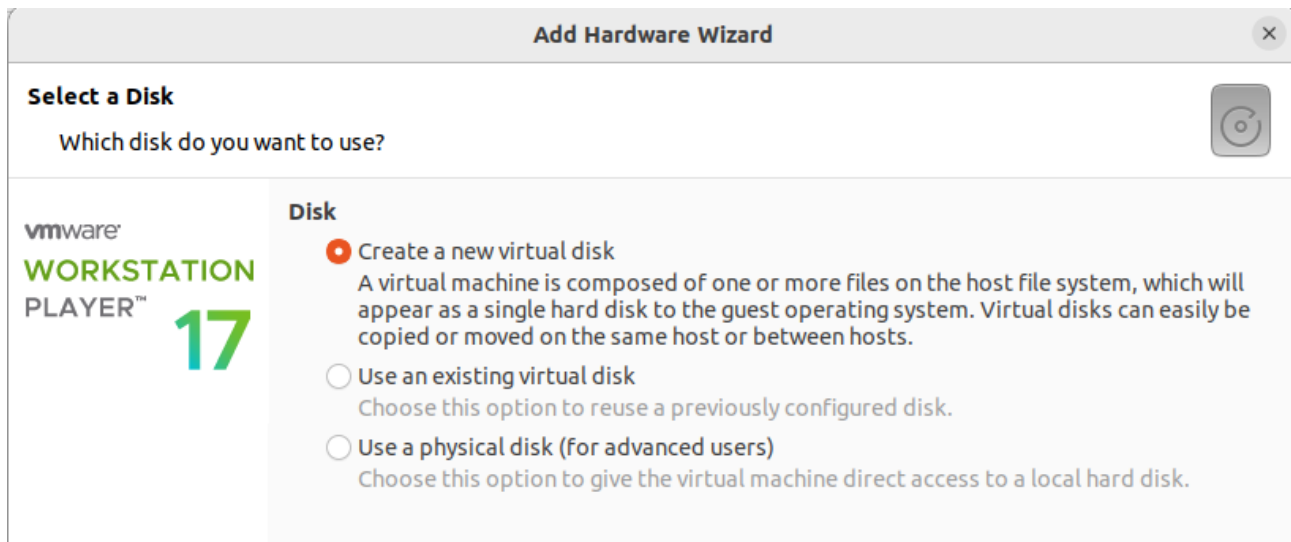
For that go to edit vm settings



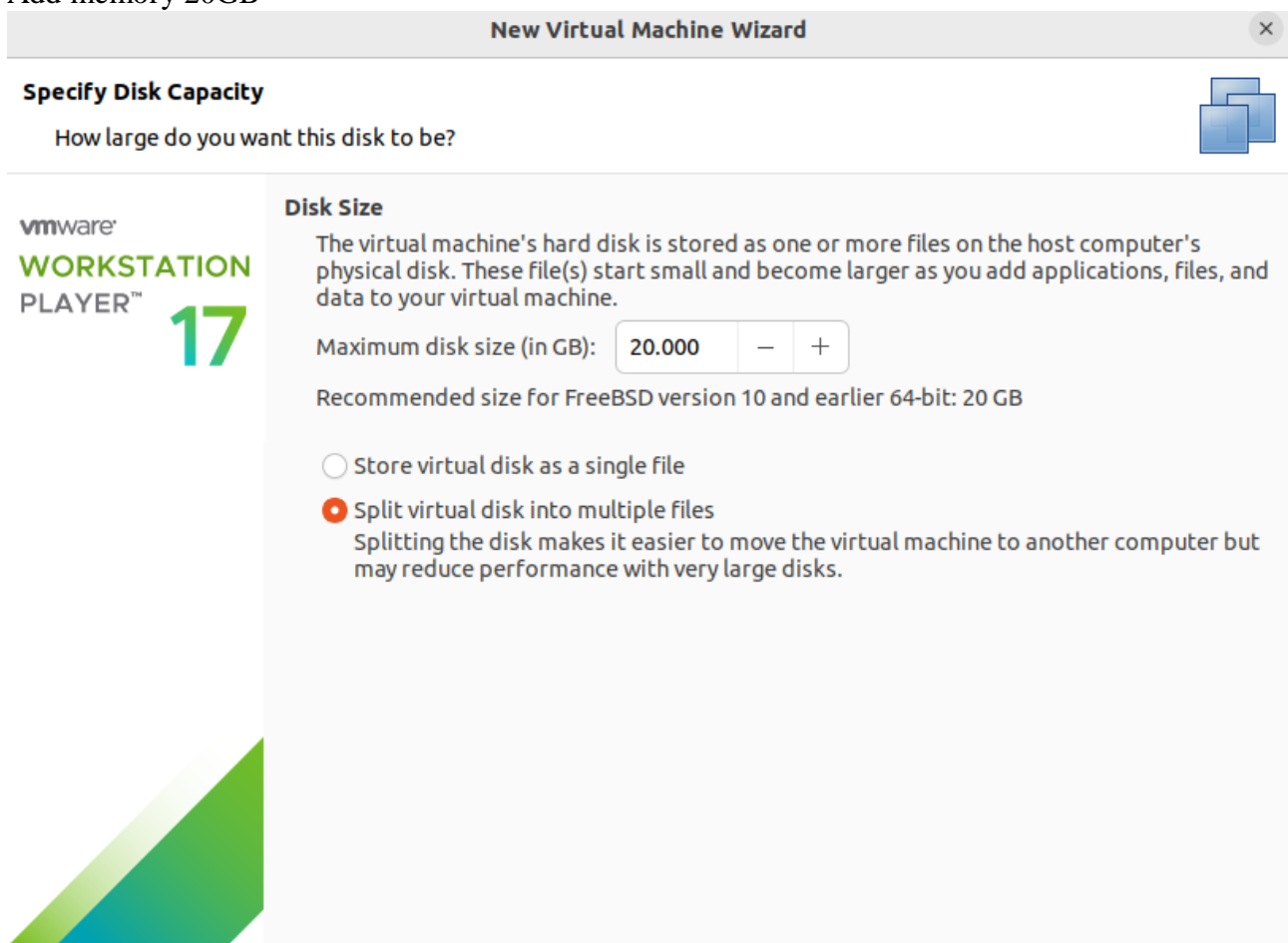
And select IDE then click on next



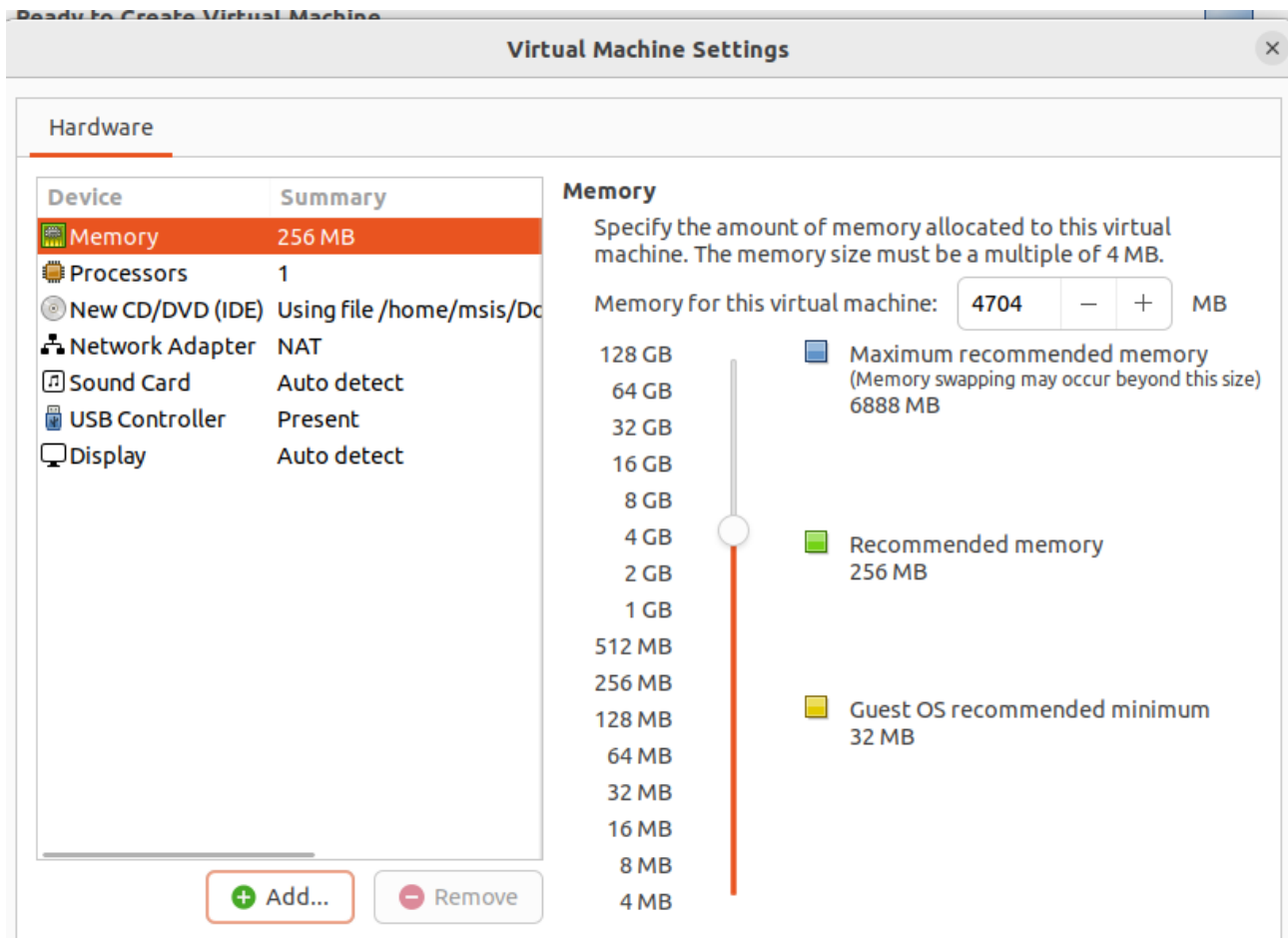
Then click on the create a new virtual disk.



Add memory 20GB



And keep hard disk to 4GB

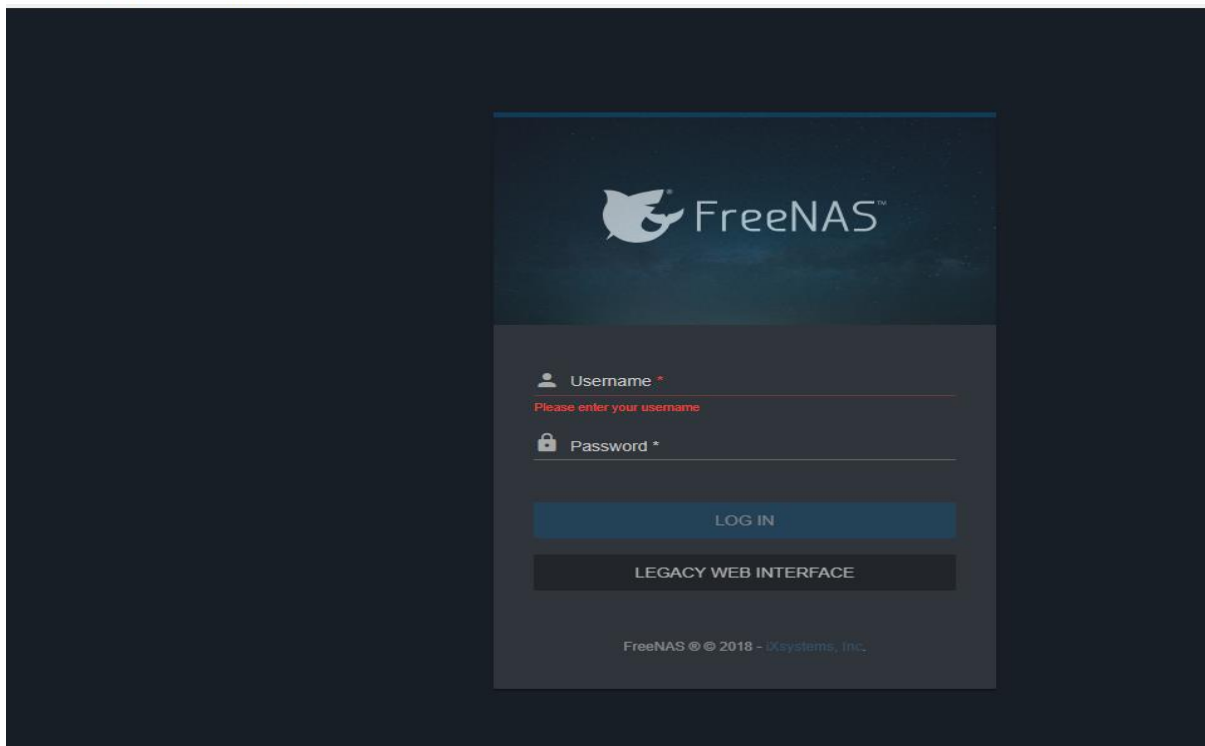


Then click on the finish button it will reboot the system.

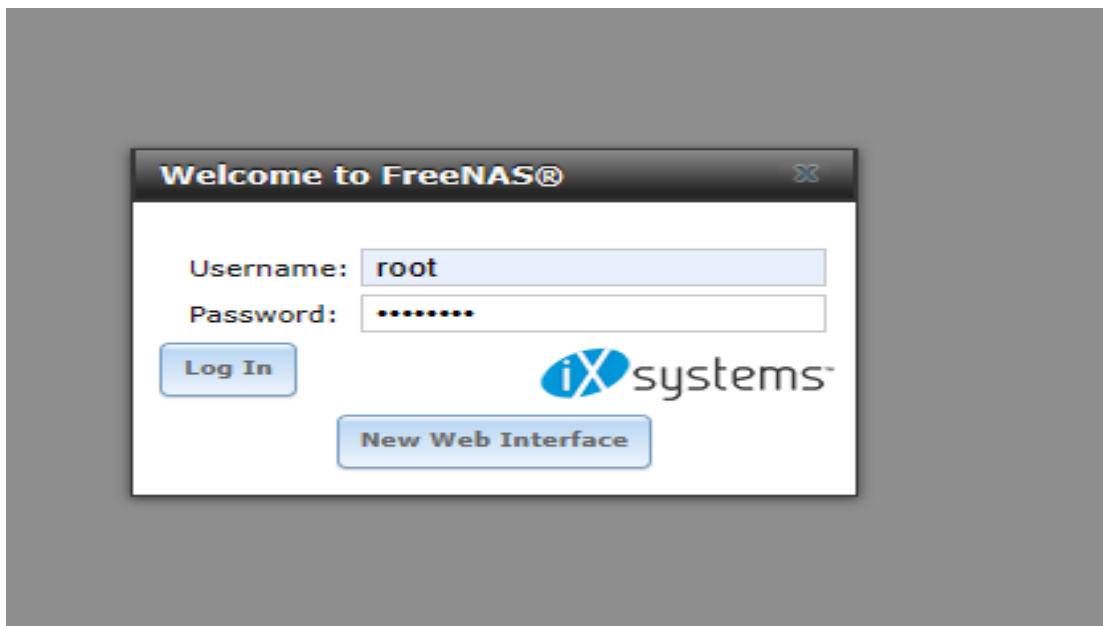
Then click on the power on button

Then take the ip address of freenas and past it in the browser you will get the freenas page.

| 192.168.10.131/ui/sessions/signin



Click on the legacy web interface and you need to give username(root) and password(sois@123)->login

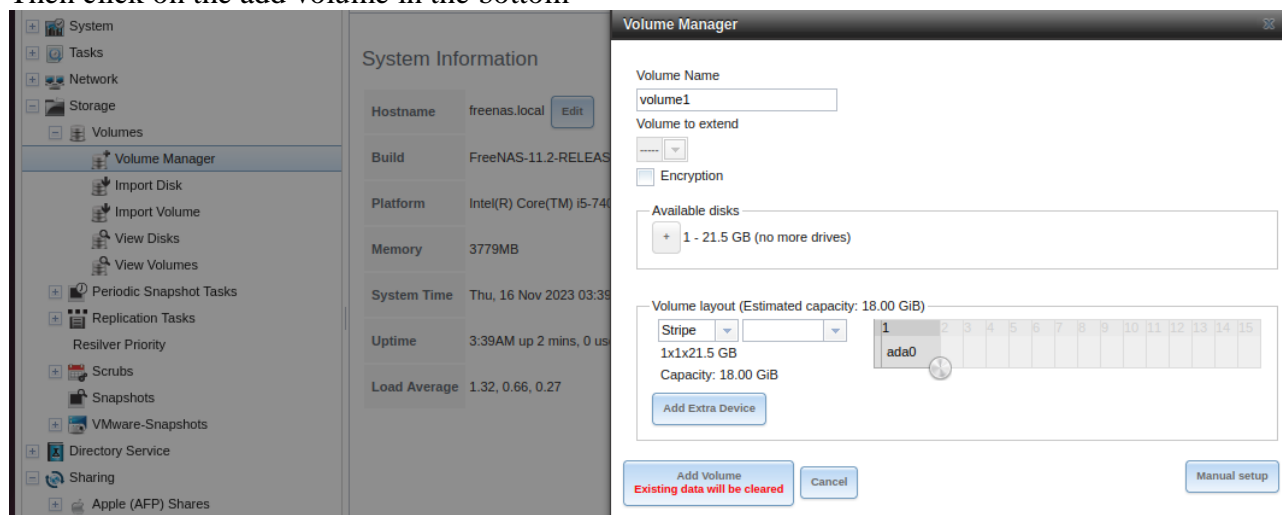


Then goto storages

Storages->volume->manage volume

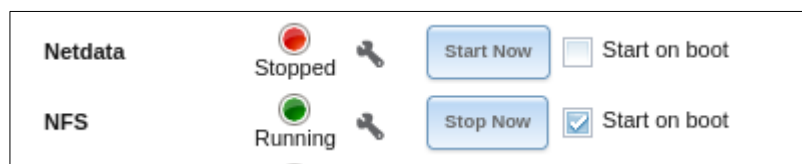
Give volume name(volume1) and then click on available disk(it will work only when you add extra memory in the freenas after installation)

Then click on the add volume in the bottom

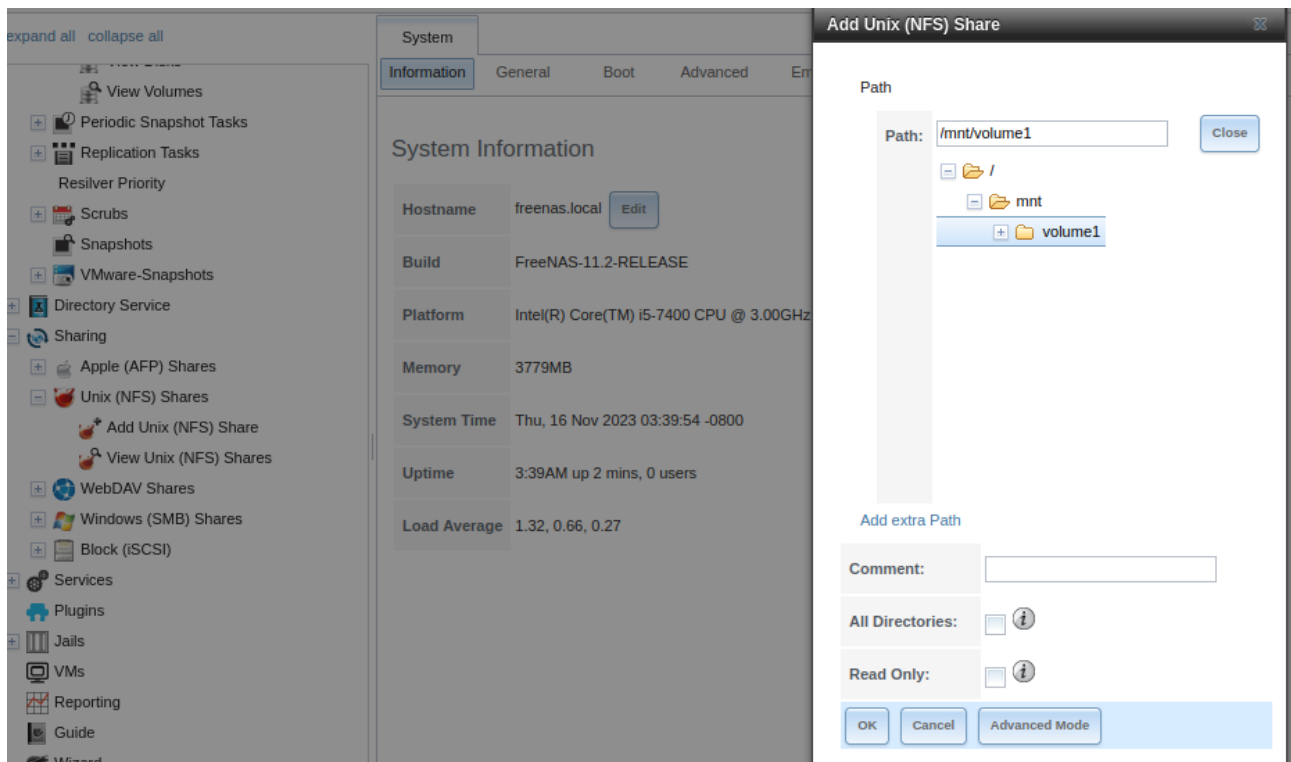


Go to services

Activate the linux NFS

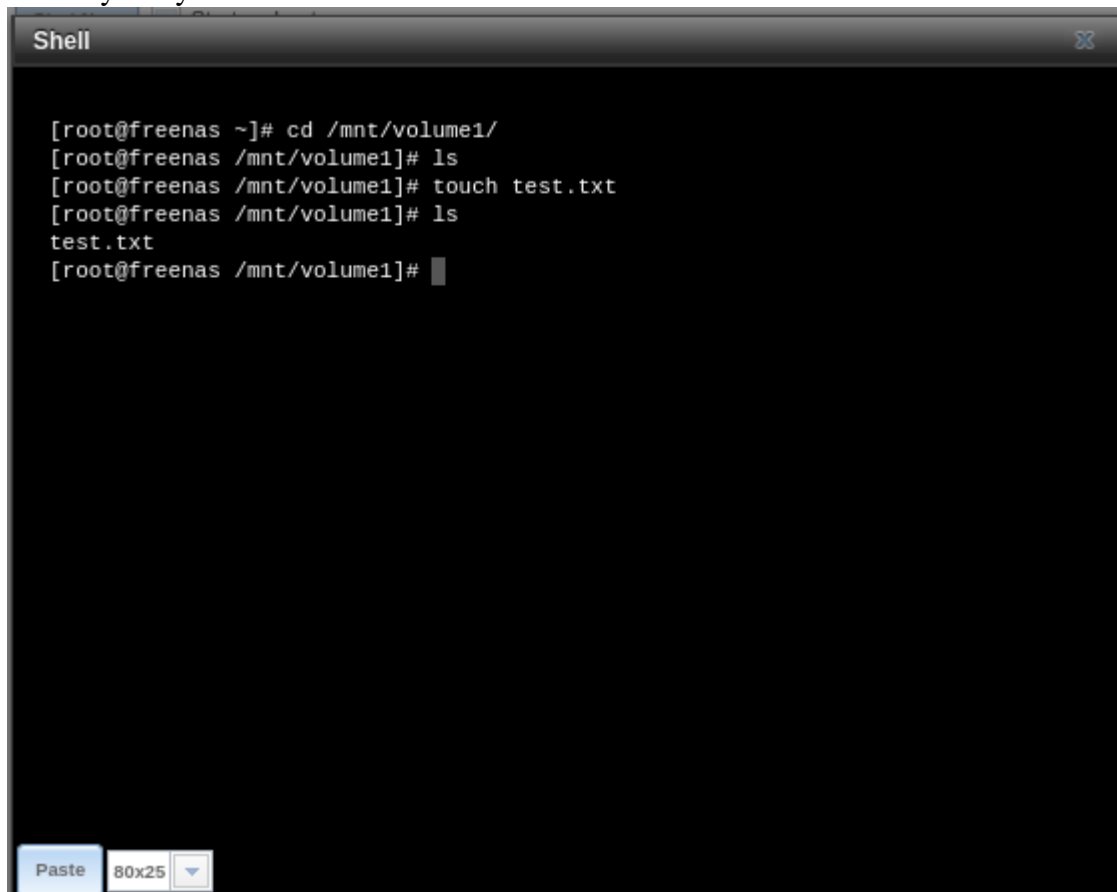


Service->Linux nfs->give password(sois@123)



Go to shell

Add any file you want to add



Then go to terminal

Create a directory i.e

-mkdir cam

-cd cam

-pwd(ckeck the directory) /home/msis/cam

-sudo mount 172.16.159.129:/mnt/volum1 /home/msis/cam (this command is used for mounding the file from freenas to our local repository).

```
msis@msis:~$ mkdir cam
msis@msis:~$ sudo mount 172.16.159.129:/mnt/vol/freenas /home/msis/cam
msis@msis:~$ cd cam
msis@msis:~/cam$ ls
file.txt
msis@msis:~/cam$ df -h
```

Filesystem	Size	Used	Avail	Use%	Mounted on
tmpfs	785M	2.3M	783M	1%	/run
/dev/sda6	183G	53G	121G	31%	/
tmpfs	3.9G	28K	3.9G	1%	/dev/shm
tmpfs	5.0M	4.0K	5.0M	1%	/run/lock
/dev/sda1	96M	34M	63M	35%	/boot/efi
tmpfs	785M	112K	785M	1%	/run/user/1000
172.16.159.129:/mnt/vol/freenas	7.3G	128K	7.3G	1%	/home/msis/cam

```
msis@msis:~/cam$
```