Ubuntu VM setup

Download the ubuntu from the official ubuntu website.

https://ubuntu.com/download/server#system-requirements-lts   OR

https://www.osboxes.org/ubuntu-server/#ubuntu-server-22-10-vmware

It is the .iso file.

If you get zip file then unzip it and you get a file for vmware.

Ubuntu installation process is different from others.

In my case I will using 2nd link.

The installation process is below:

- The above image download button, will start downloading from sourceforge website.
- Don't forget to hit the vmware button before click the download button.

- The info and details are given below:

Ubuntu Server 25.04 Plucky Puffin

VirtualBox	VMware	Info

Username: osboxes
Password: osboxes.org
VM Tools: Installed
Keyboard Layout: US (Qwerty)
VMware Compatibility: Version 14+

- the file that you download first unzip it and you will get a file .vmdk.
- go to the VM and select new virtual machine.
- You select the custom for this machine

WORKSTATION PRO 17

New Virtual Machine Wizard

vmware
WORKSTATION
PRO
17

Welcome to the New Virtual Machine Wizard

What type of configuration do you want?

○ Typical (recommended)
Create a Workstation 17.x virtual machine in a few easy steps.
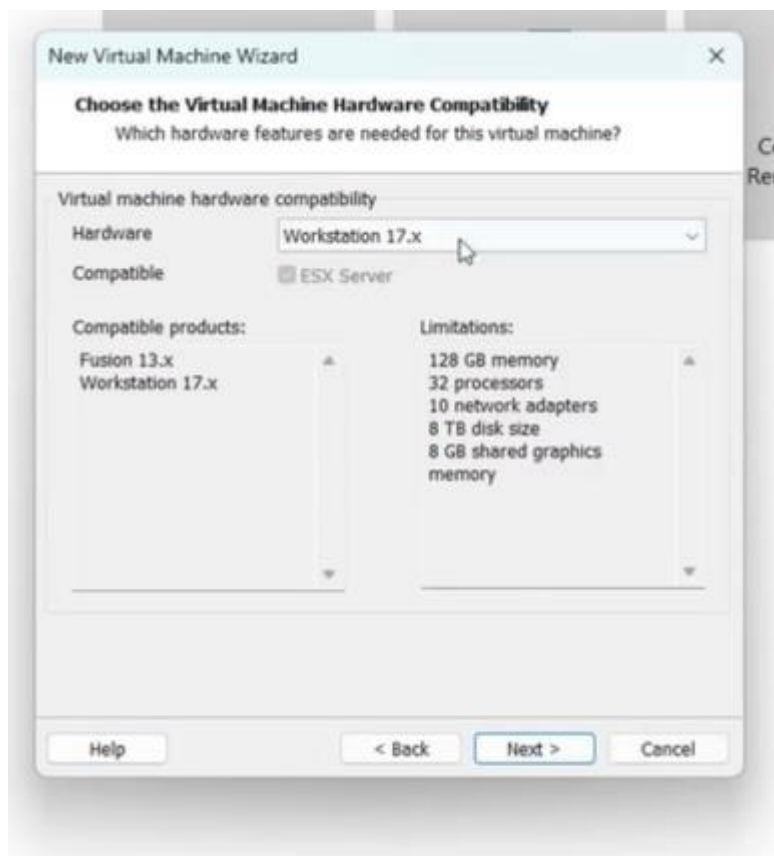
● Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.

Help   < Back   Next >   Cancel

Connect to a
Remote Server

Hit next and then

New Virtual Machine Wizard

Choose the Virtual Machine Hardware Compatibility
Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware   Workstation 17.x
Compatible   ☑ ESX Server

Compatible products: Limitations:

Fusion 13.x   128 GB memory
Workstation 17.x   32 processors
                                  10 network adapters
                                  8 TB disk size
                                  8 GB shared graphics
                                  memory

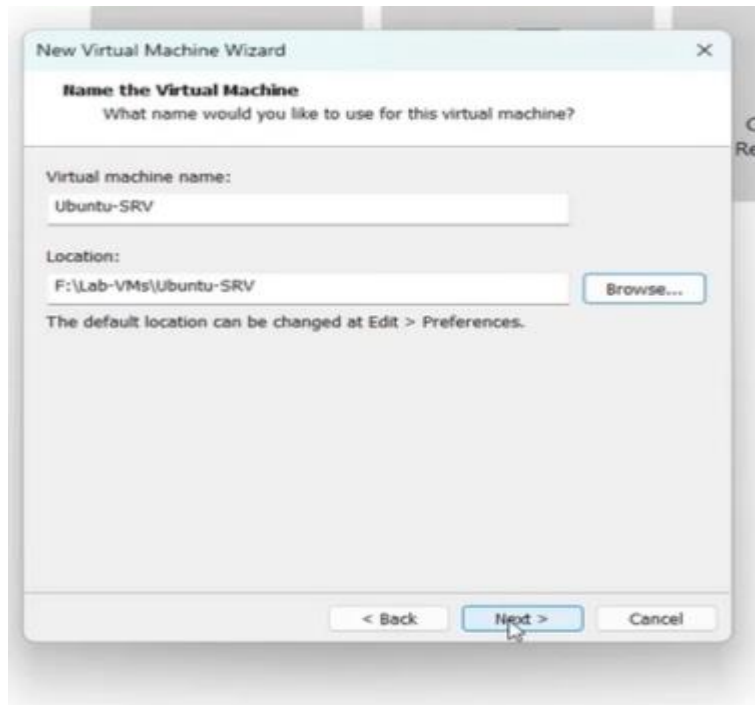Help   < Back   Next >   Cancel

- Not do any change in it and press next.
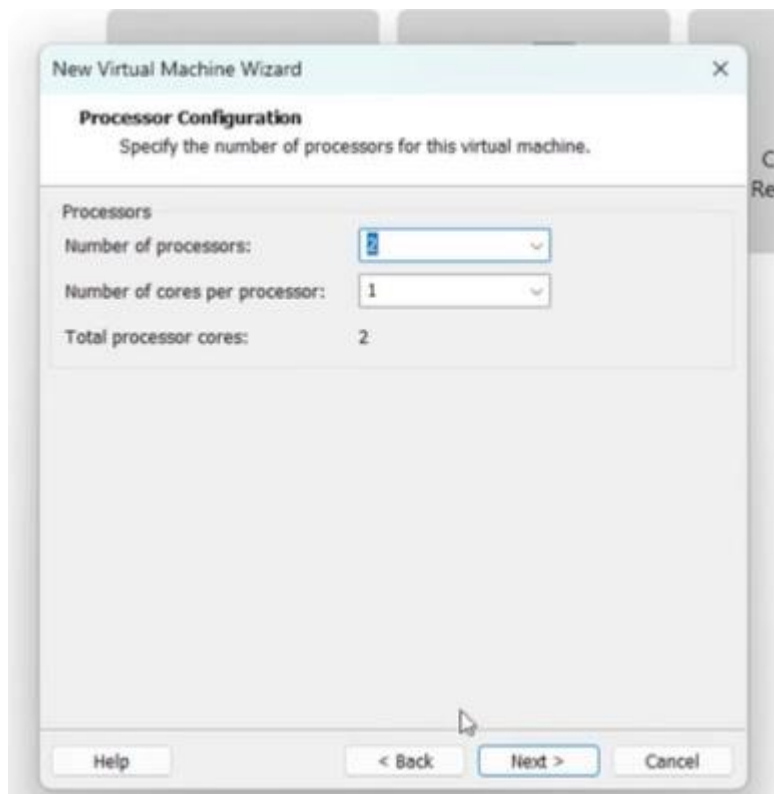- In next select third option(I will install OS later)
- Then next.
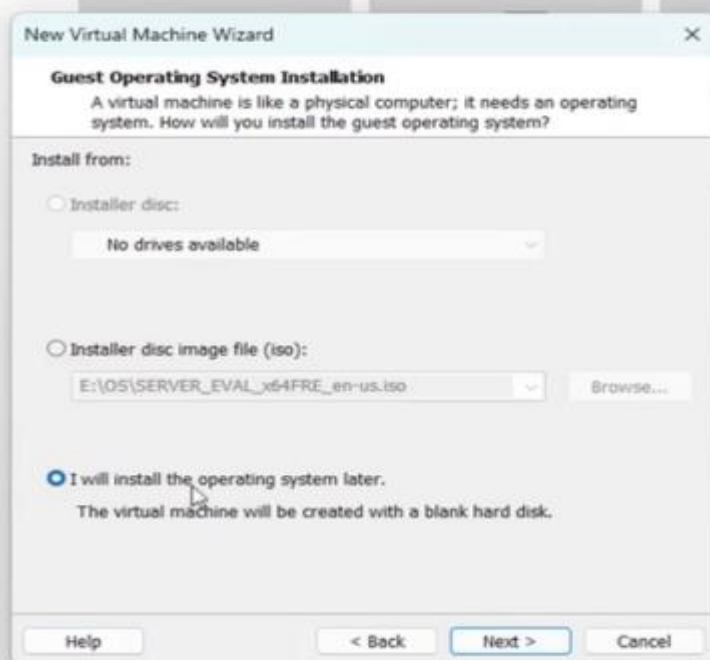
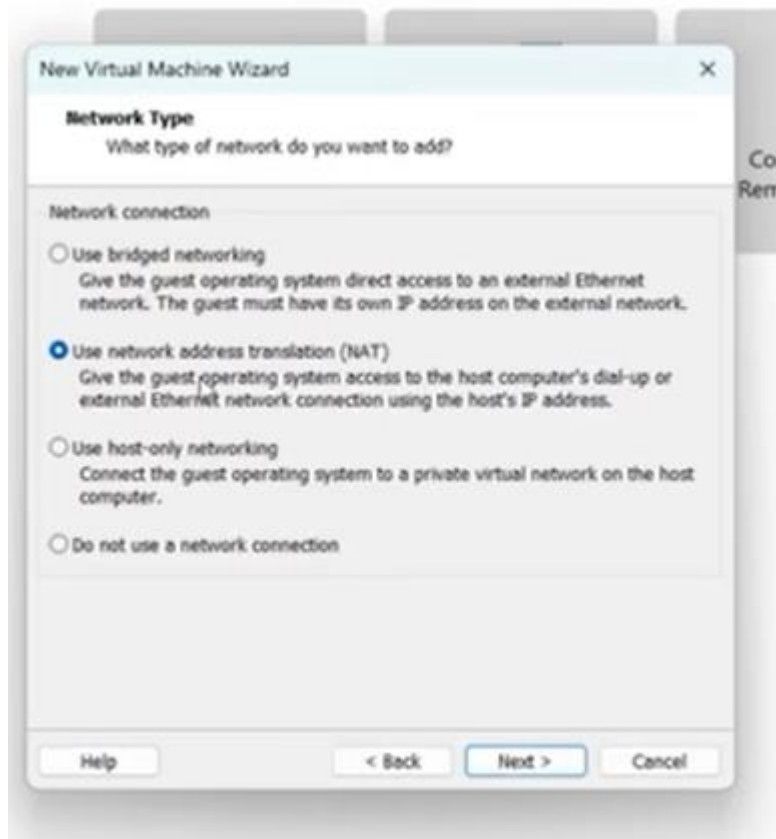- Then select linux and ubuntu-64
- Click next.
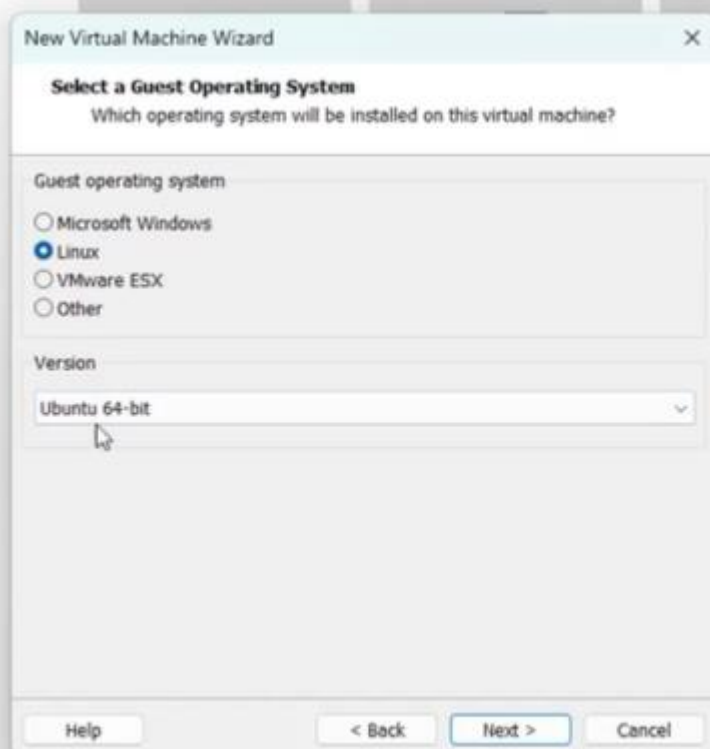
- In next step you will set the name of machine, in my case have ubuntu-SRV
- Then select location, to which you want to install ubuntu
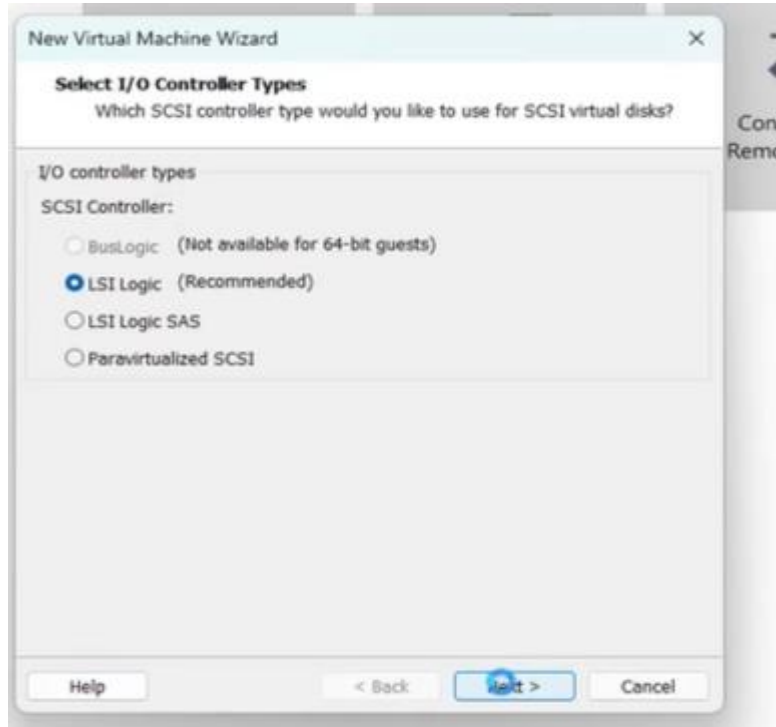- Then click next.

- The next step , no change and click next.
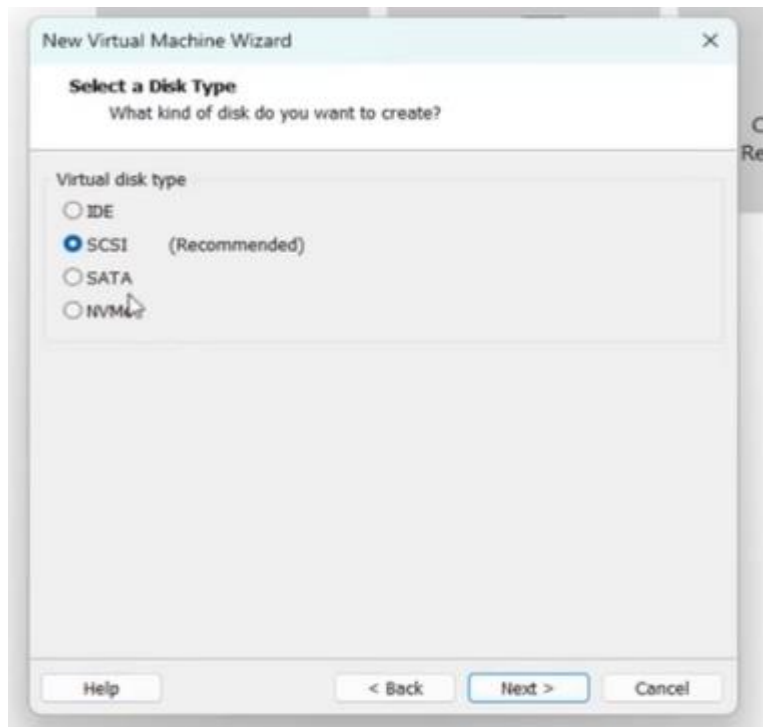

- Next network adapter remain same for now but change later.

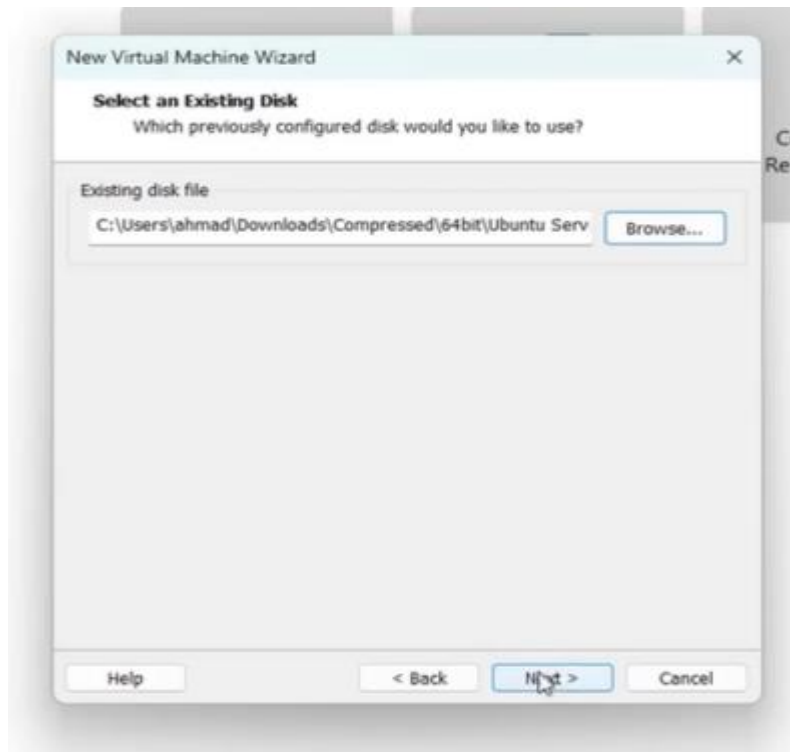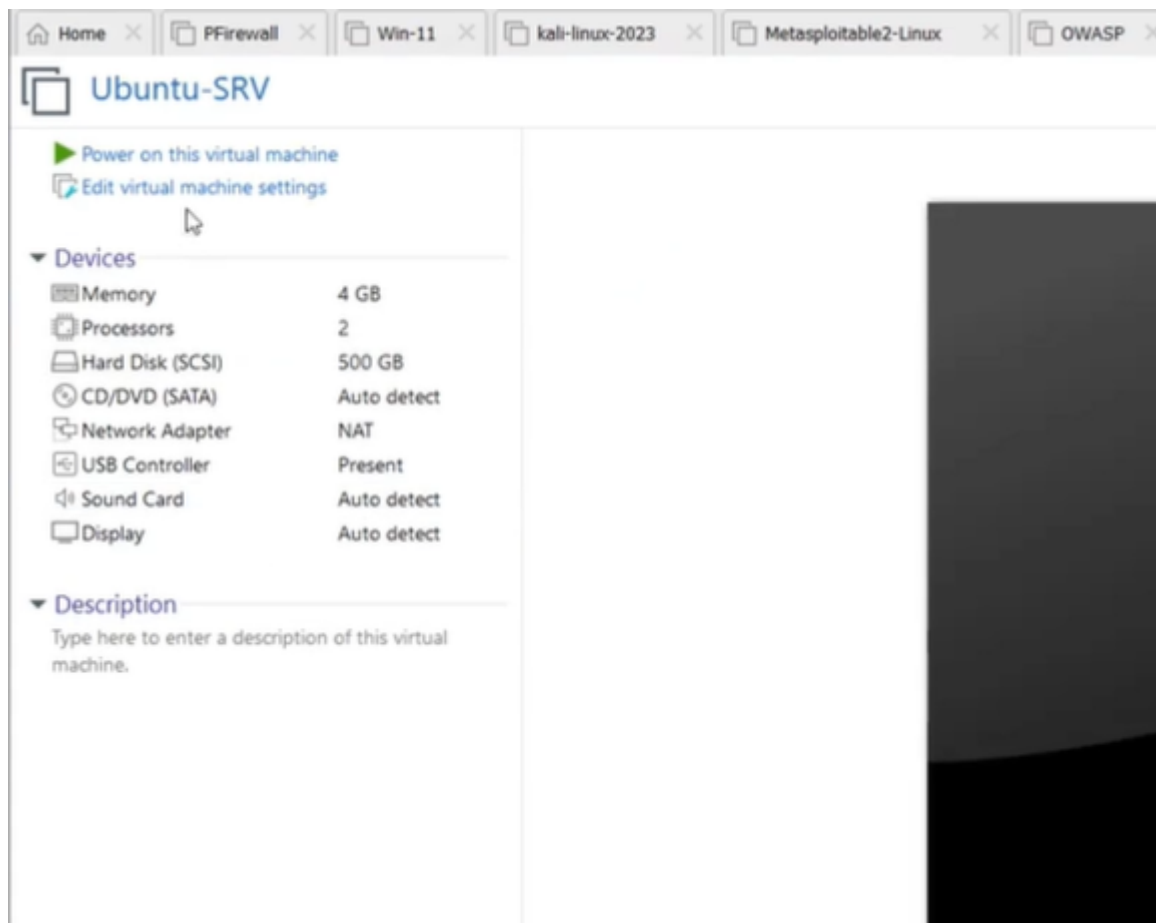- Next step, recommended is good.

- Next step also recommended

- Click next
- Select 2nd option (use exiting virtual disk)
- Click next.

- In next step
- You will chose the unzip file that you can do after download
- Select file location and next.
- And then finish.

- After finish the machine will ready.

- Remember: it is server.
- It has no GUI (but install later)
- Power on the machine and then login in it using the credentials.

For getting GUI, run following commands their.

ne

GUI Desktop Installation
sudo apt update && sudo apt upgrade
sudo apt install ubuntu-desktop
sudo reboot
sudo apt install net-tools

1. First run

    sudo apt updata && sudo apt upgrade -y

    it is necessary to run other command, wait for complete update and upgrade.

2. Then run 2nd command

    sudo apt install ubuntu-desktop

    It will install the GUI desktop of ubuntu

3. then run 3rd command

> *sudo reboot*

this command will restart the system, after it you will see GUI.

- Login the system using credentials.
4. Then you can see that ifconfig command will not running for this you run following command

> *sudo apt install net-tools*

- after it, 1 step to change the network adapter as per our lab setup
- set it to custom and select VMnet **6** then OK.
- The run ifconfig command and you will get ip of range 192.168.5.* .

```
osboxes@osboxes:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.5.2  netmask 255.255.255.0  broadcast 192.168.5.255
        inet6 fe80::20c:29ff:feca:b0f8  prefixlen 64  scopeid 0x20<link>
        ether 00:0c:29:ca:b0:f8  txqueuelen 1000  (Ethernet)
        RX packets 918  bytes 1146422 (1.1 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 491  bytes 46521 (46.5 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 70  bytes 7498 (7.4 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 70  bytes 7498 (7.4 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

osboxes@osboxes:~$
```

Here our setup complete but 1 step remaining (optional but recommended).

The process of this setup is given below:

- Go to **setting** in ubuntu
- Select **users**
- Enter **password** for existing user
- Select to **add new user**
- Give **name** to new user
- Don't forget to **on the administrator permission** for this user.
- Add **password**

- And then **done.**
- Then **restart** the system (from button on top right corner of home screen)
- **Then login to new user**
- And go to **setting** and then **users**
- And **delete the first existing user** (osboxes)
- Now have only **one user** in the system

--complete---