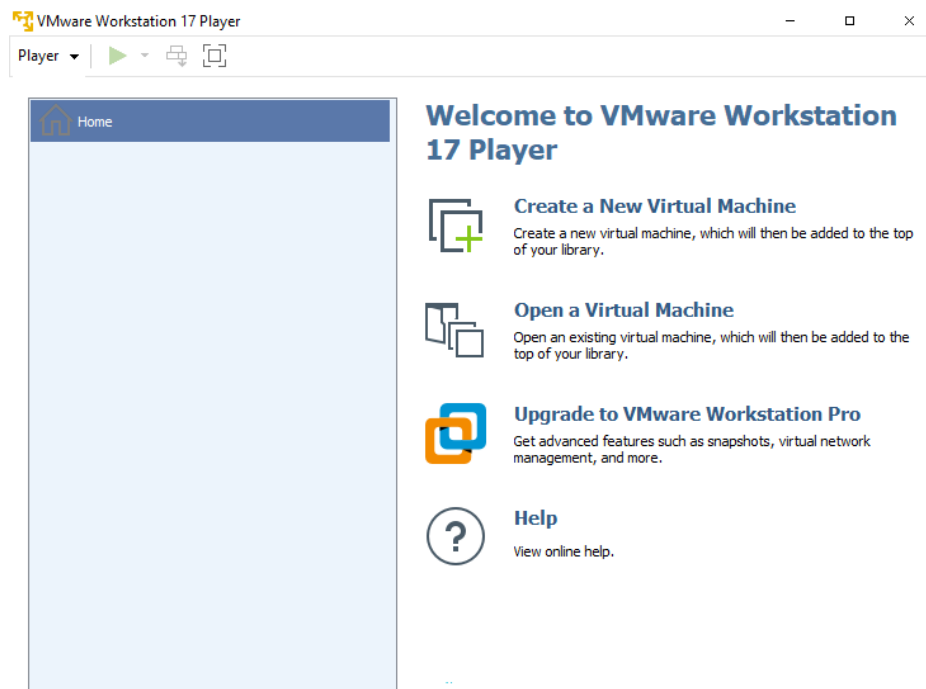


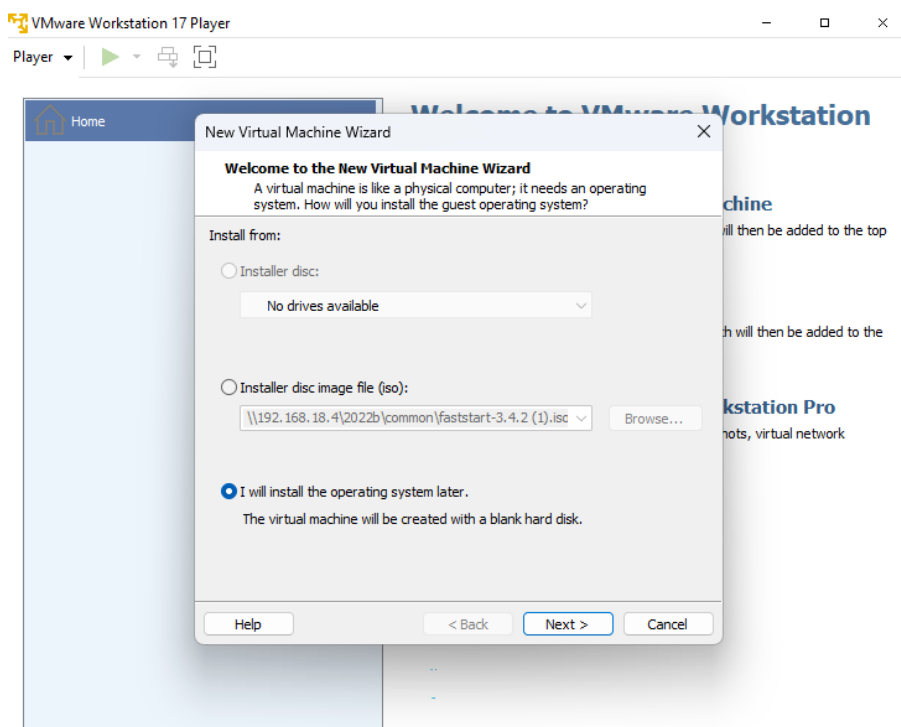
**AIM:** To set up the cloud by using Eucalyptus .

**PROCEDURE:**

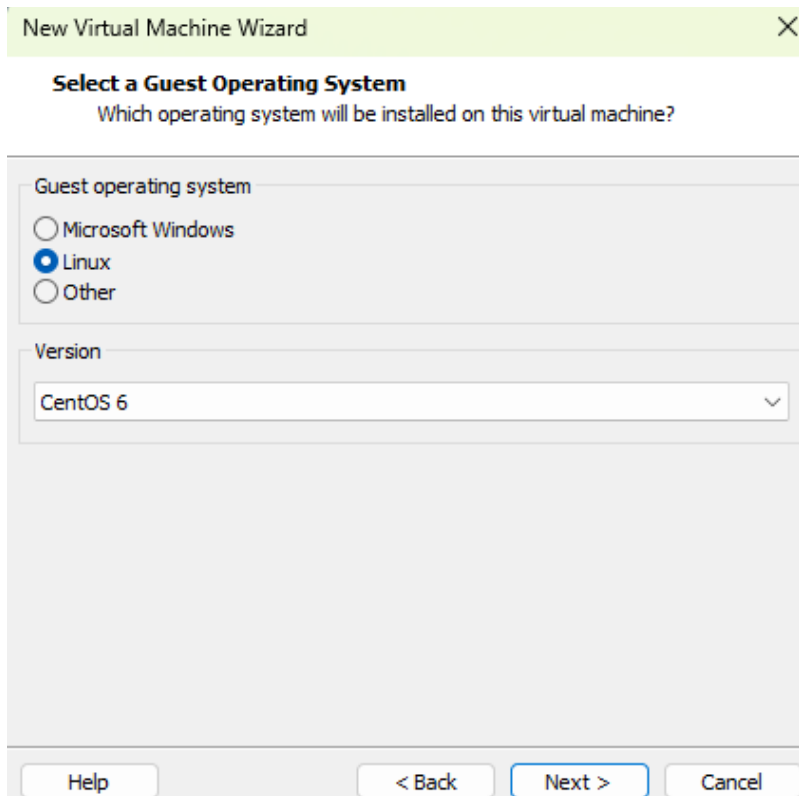
1. Click on VMWare workstation in your desktop and click on Create a New Virtual Machine.



2. Choose the 'I will install the operating system later' option and click Next.



3. Choose Linux as the Guest Operating system, select CentOS 6 as version and click Next



New Virtual Machine Wizard

**Select a Guest Operating System**  
Which operating system will be installed on this virtual machine?

Guest operating system

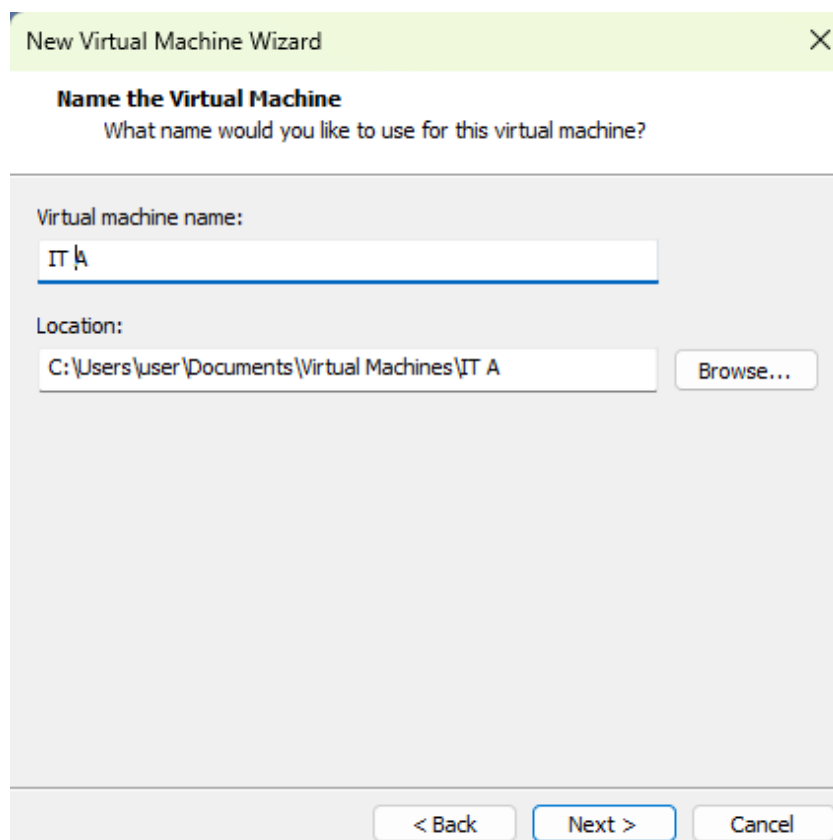
☐ Microsoft Windows  
☒ Linux  
☐ Other

Version

CentOS 6

Help < Back Next > Cancel

4. Name the Virtual Machine as ITA, click Next.



New Virtual Machine Wizard

**Name the Virtual Machine**  
What name would you like to use for this virtual machine?

Virtual machine name:

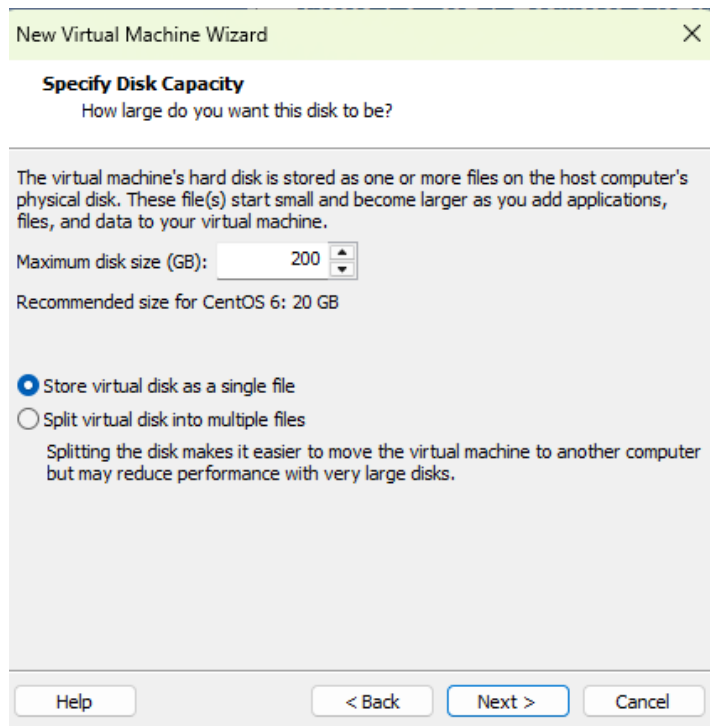
IT A

Location:

C:\Users\user\Documents\Virtual Machines\IT A Browse...

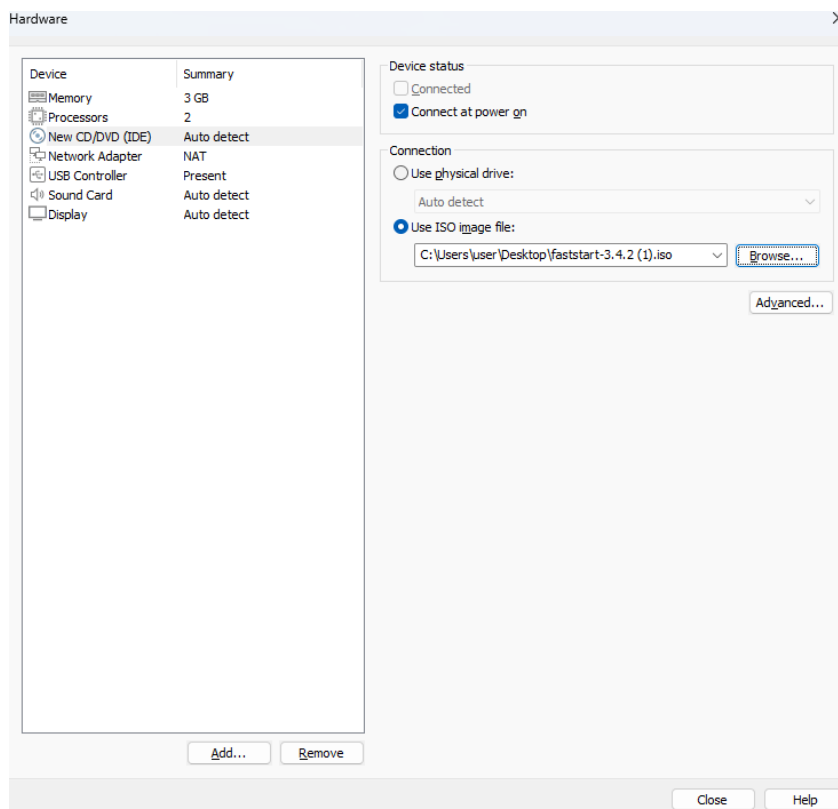
< Back Next > Cancel

5 Enter the maximum disk size as 200GB and choose the option .Store virtual disk as a single file.

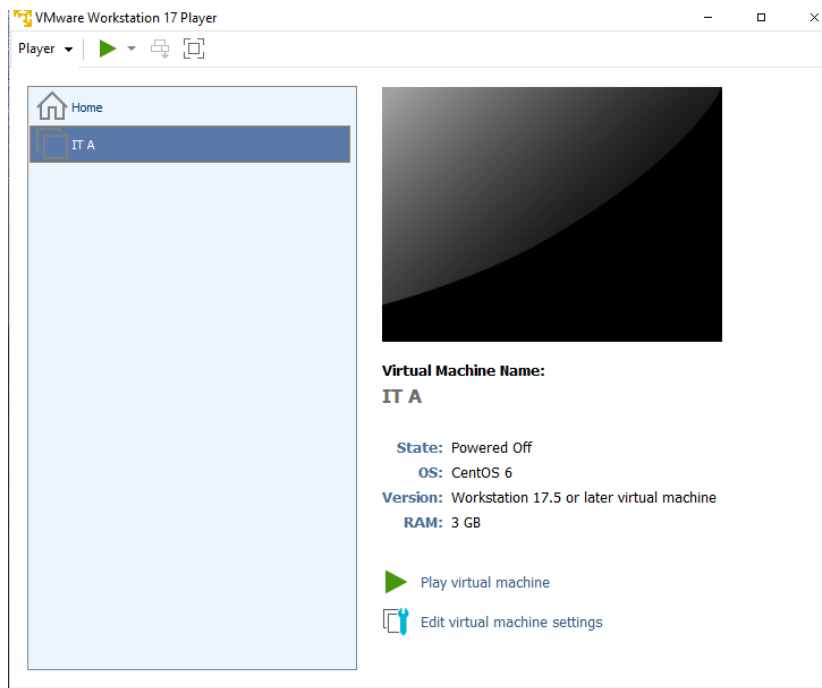


6. Click on Customize Hardware and configure the Virtual Machine as below:

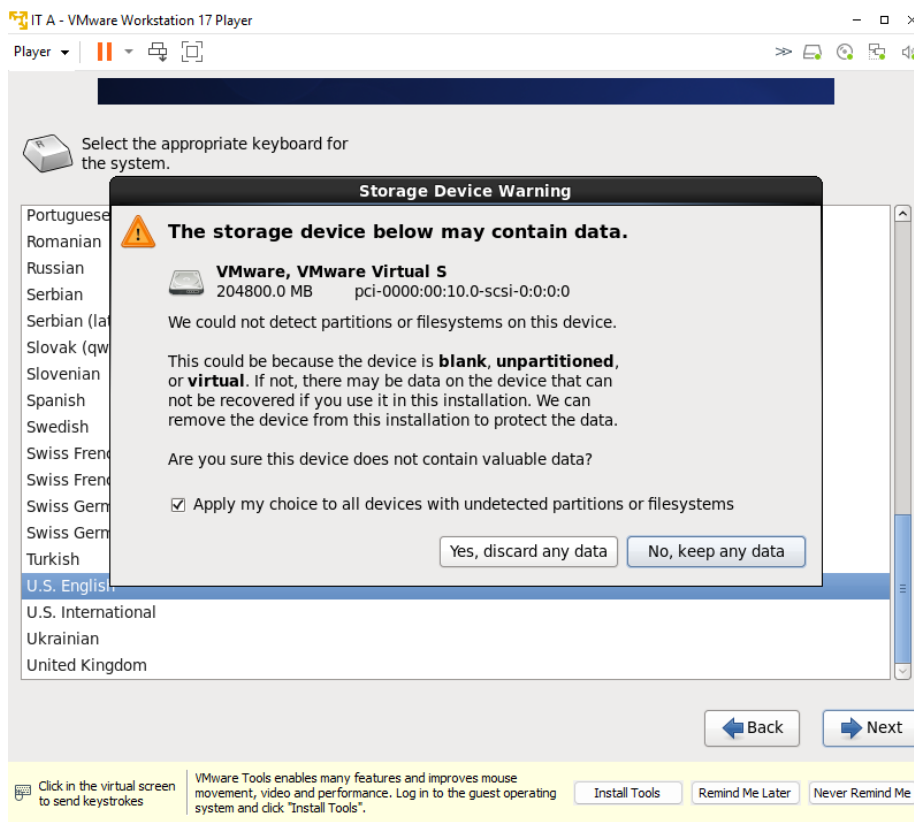
- i. Choose the memory as 3GB(3072 MB)
- ii. Enter the number of processors as 2.
- iii. Choose ISO image file, click Browse, select faststart-3.4.2.iso, click close and then finish.



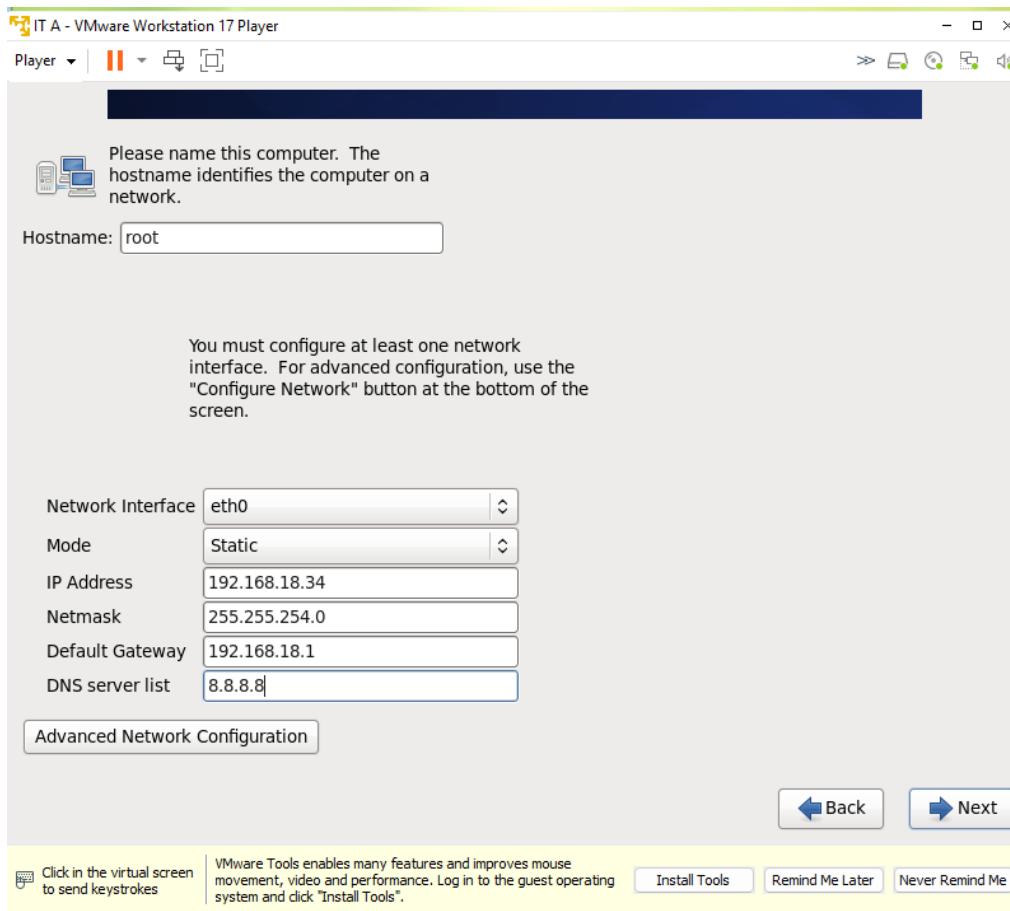
7. Click Play Virtual Machine, choose Install CentOS 6 single system cloud in 60x.,then press skip and then ok



8. Select language as English and click Next. And Click Yes, discard my data.



9. Set hostname as “root”, set ip= 192.168.18.35, netmask= 255.255.254.0, gateway= 192.168.18.1, mask=8.8.8.8



IT A - VMware Workstation 17 Player

Player ▾ || ▾ ▢ ▢ ▢

Please name this computer. The hostname identifies the computer on a network.

Hostname:

You must configure at least one network interface. For advanced configuration, use the "Configure Network" button at the bottom of the screen.

Network Interface

Mode

IP Address

Netmask

Default Gateway

DNS server list

Click in the virtual screen to send keystrokes

VMware Tools enables many features and improves mouse movement, video and performance. Log in to the guest operating system and click "Install Tools".

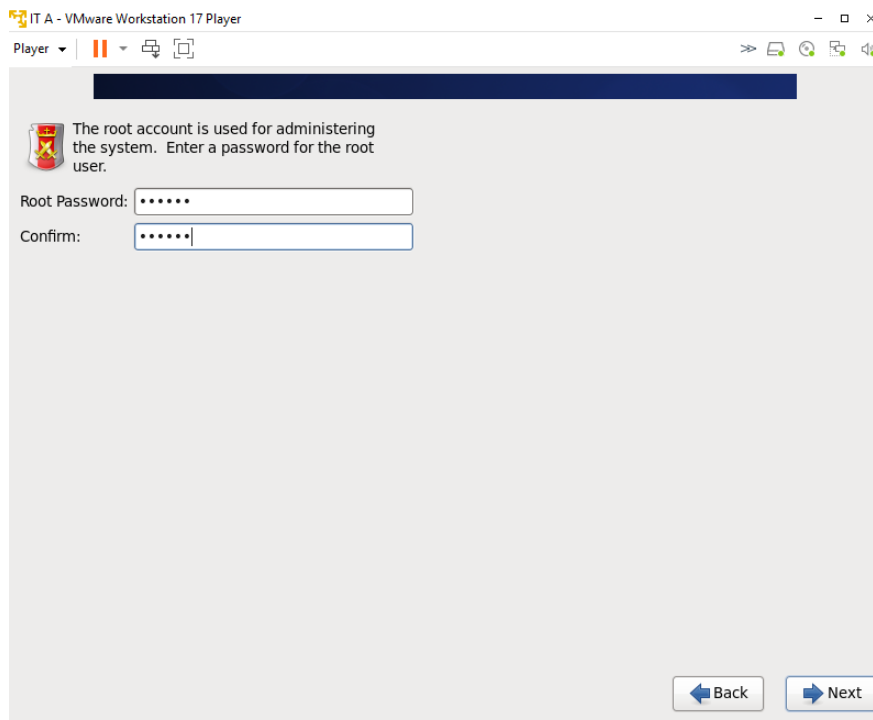
10. Locate Asia/Kolkata and click Next.



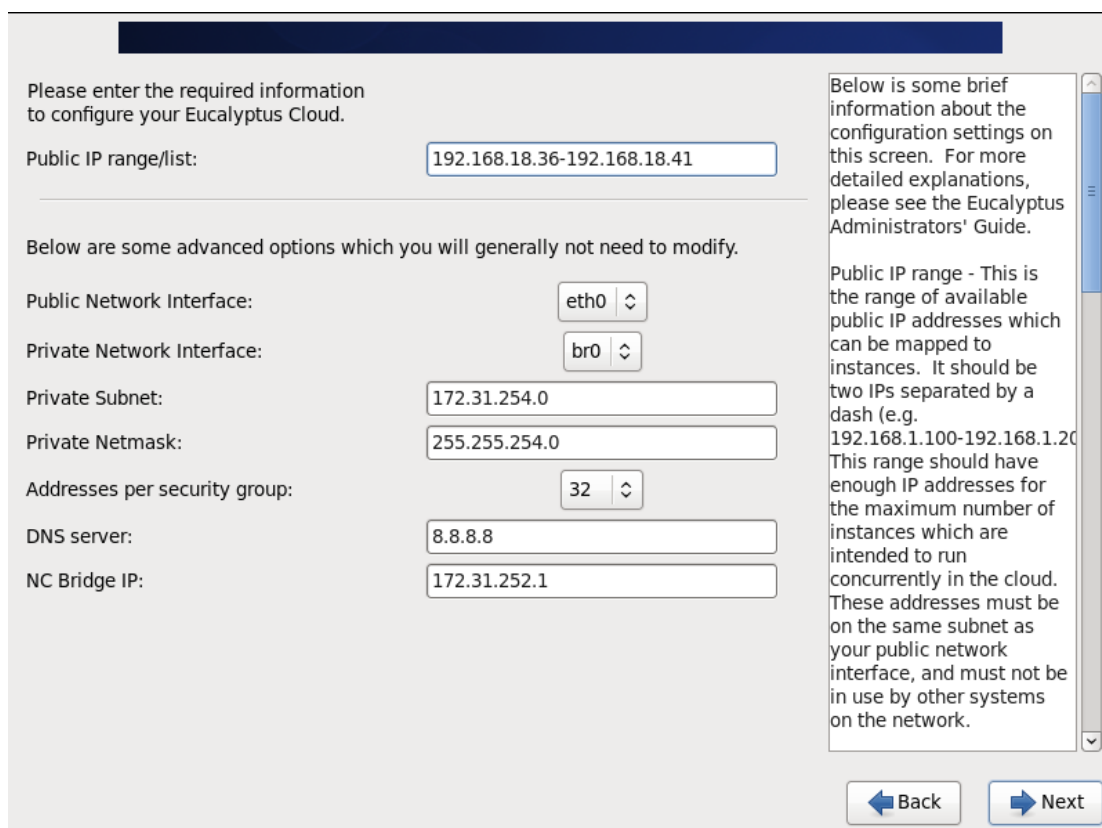
Please select the nearest city in your time zone:

☒ System clock uses UTC

11. Enter root password : 123456 and enter it again to confirm. Press Next, and click Use anyway.



12. Set public IP range/list: 192.168.18.36-192.168.18.41 (Your system number- your system number+5).



Please enter the required information to configure your Eucalyptus Cloud.

Public IP range/list: 192.168.18.36-192.168.18.41

Below are some advanced options which you will generally not need to modify.

Public Network Interface: eth0

Private Network Interface: br0

Private Subnet: 172.31.254.0

Private Netmask: 255.255.254.0

Addresses per security group: 32

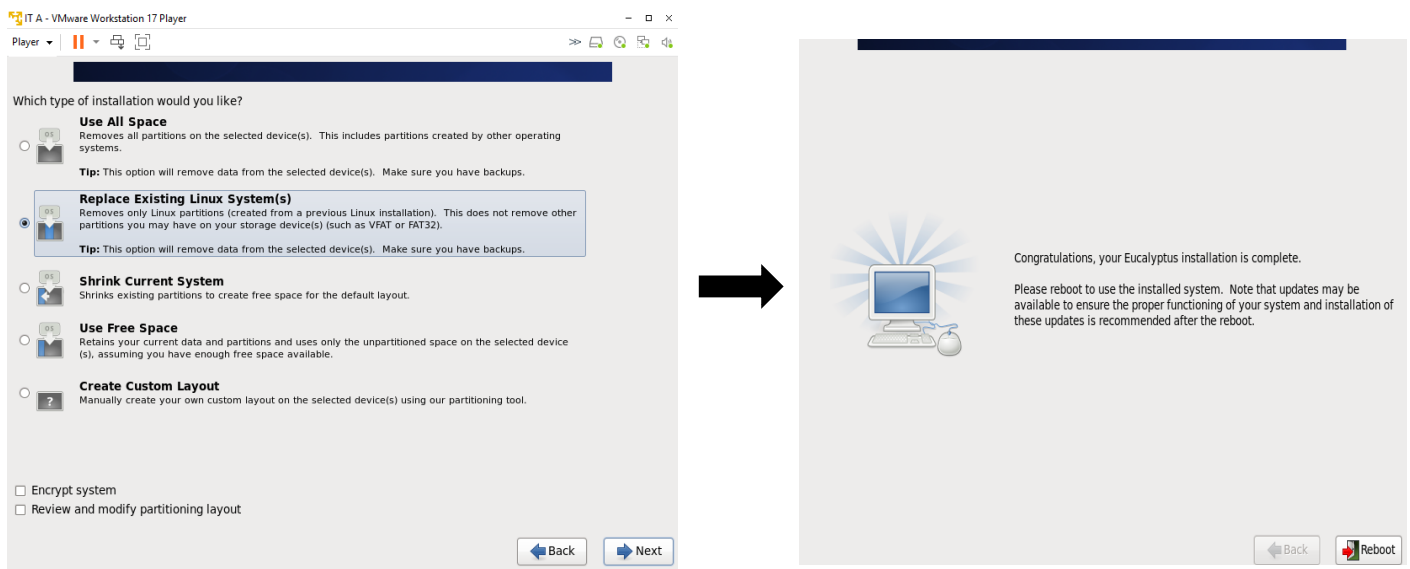
DNS server: 8.8.8.8

NC Bridge IP: 172.31.252.1

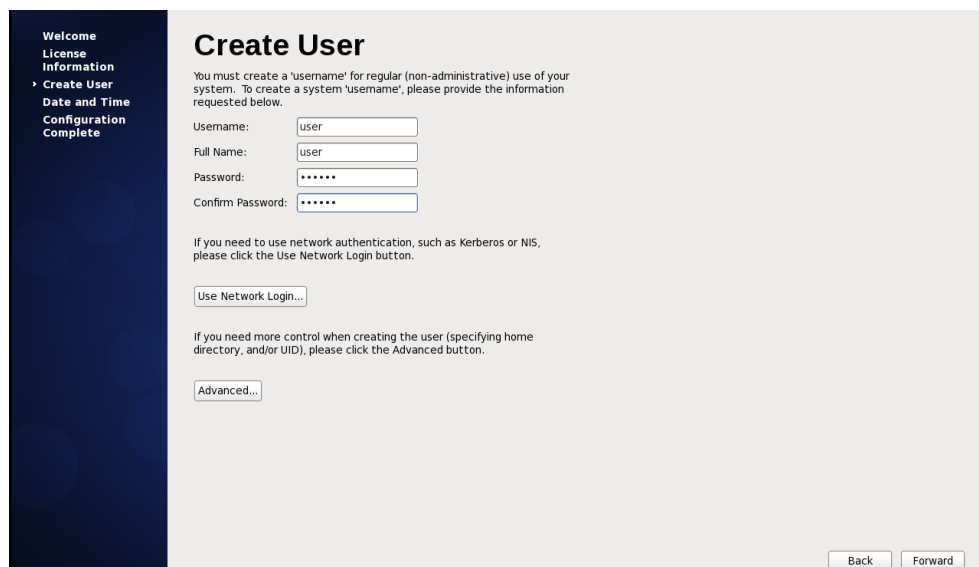
Below is some brief information about the configuration settings on this screen. For more detailed explanations, please see the Eucalyptus Administrators' Guide.

Public IP range - This is the range of available public IP addresses which can be mapped to instances. It should be two IPs separated by a dash (e.g. 192.168.1.100-192.168.1.200). This range should have enough IP addresses for the maximum number of instances which are intended to run concurrently in the cloud. These addresses must be on the same subnet as your public network interface, and must not be in use by other systems on the network.

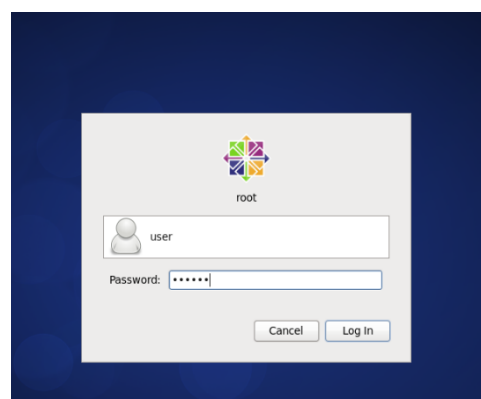
13. Click Replace existing Linux system and press Write changes; press reboot- it will take a few minutes.



14. Click Forward twice, then enter username and Full name as “user” and password as : 123456. Then click forward



15. Click finish. Virtual Machine is created with Linux system. And Enter password: 123456 and log in



**RESULT:** Thus, to set up the cloud by using Eucalyptus, has been done successfully.