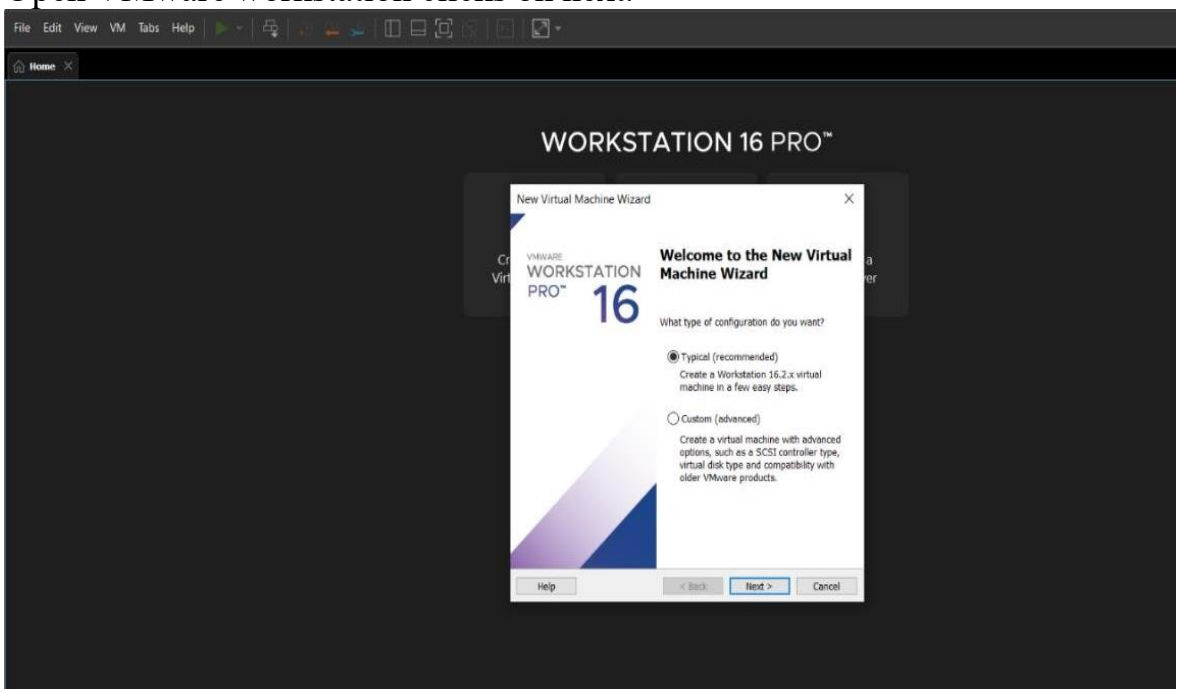
PRACTICAL 4

Aim: -Implementing IaaS using Eucalyptus

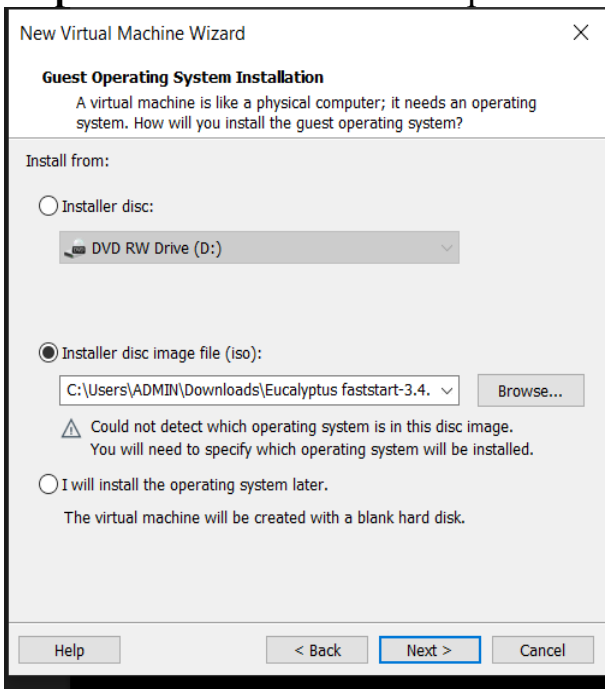
Requirements: - VMware Workstation 17x, Eucalyptus faststart 3.4.1.iso file

Steps: -

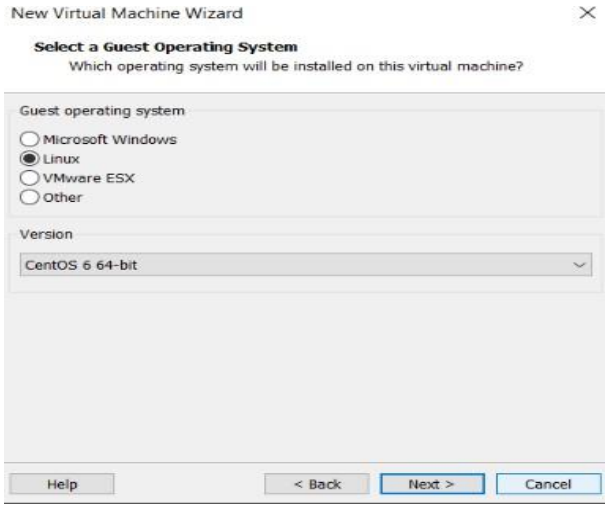
Open VMware workstation clicks on next.



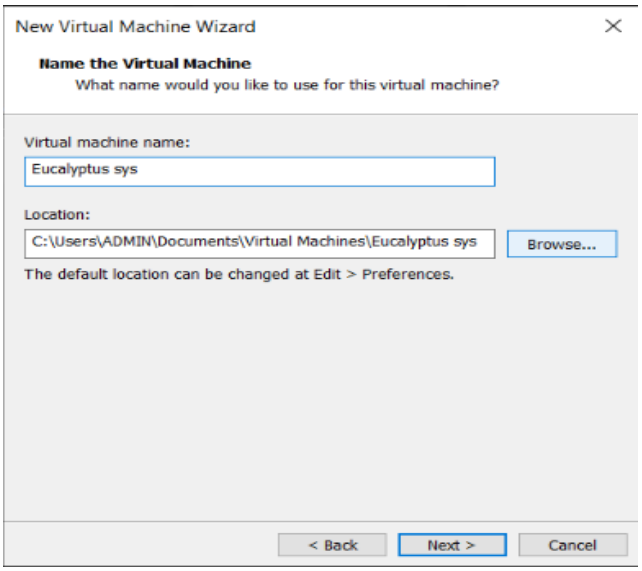
Step1: -Click on Browse and upload the Eucalyptusfaststsrt-3.4.1



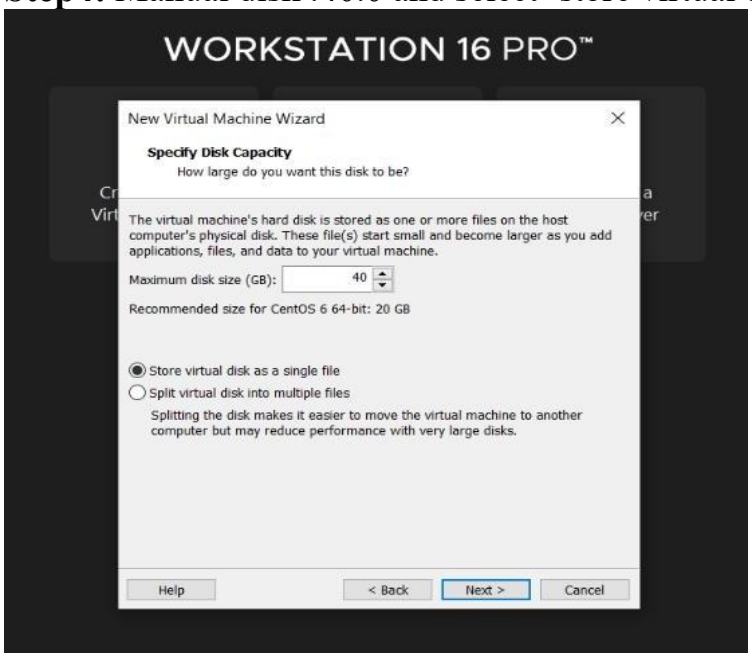
Step2: Click on Linux and version is CentOS 6 64-bit.



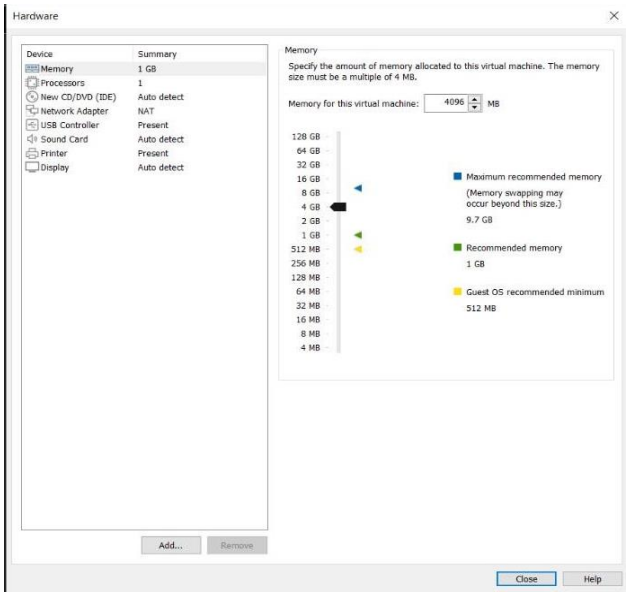
Step3: Name for virtual machine as **"Eucalyptus"**



Step4: Manual disk :40.0 and select -store virtual disk as single file.



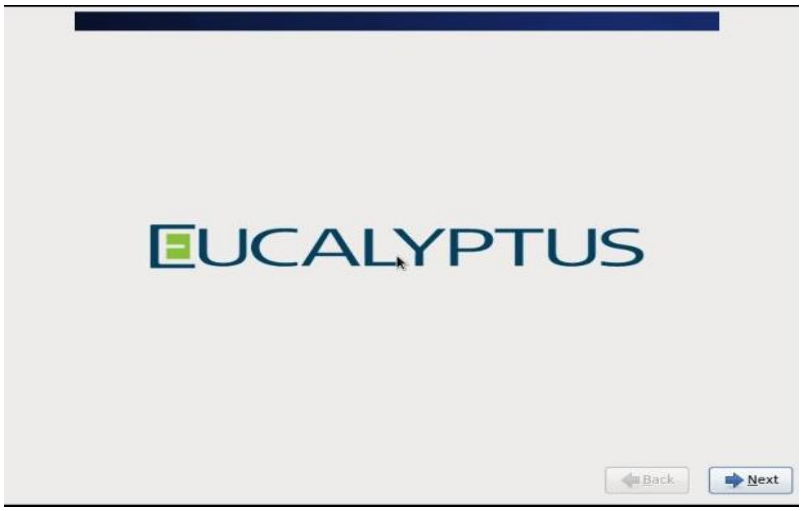
Step5: Click on Custom Hardware & Give **the memory storage as 4GB** and then click on next & also Change **the number of cores per processor as 2 and select virtualize intel VT-x/EPT** and then in Network Adapters **select bridge network connection** and close and **start the vm.**



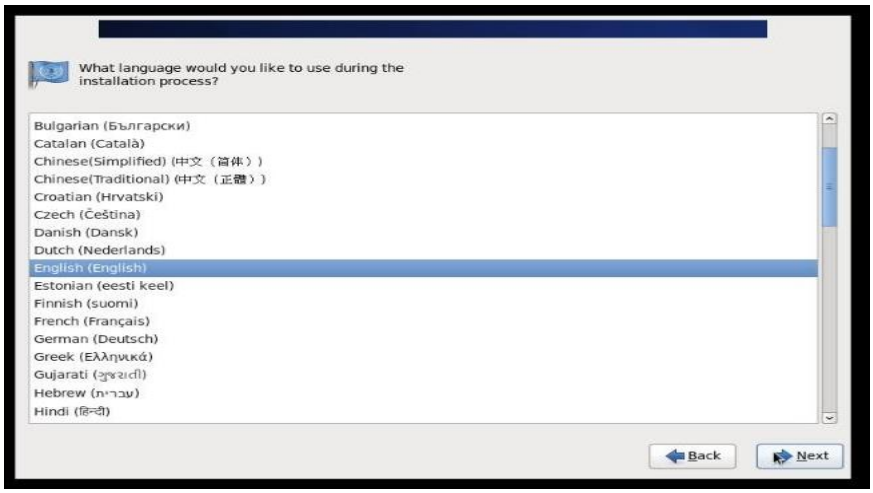
Step6: Select Install CentOS 6 with Eucalyptus Cloud-in-a-box and press enter.

Step7: Skip and then OK

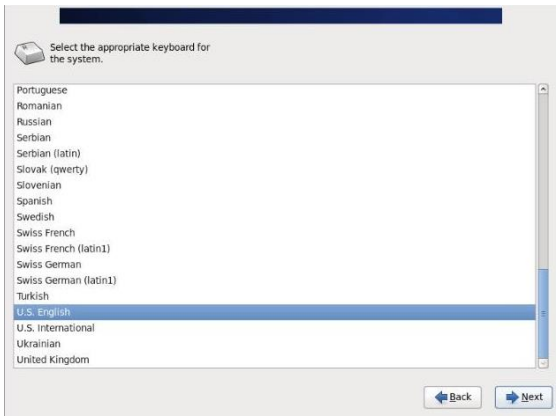
Step8: When the installation screen pops up **Click on Next**



Step9: Select **English** Press Enter



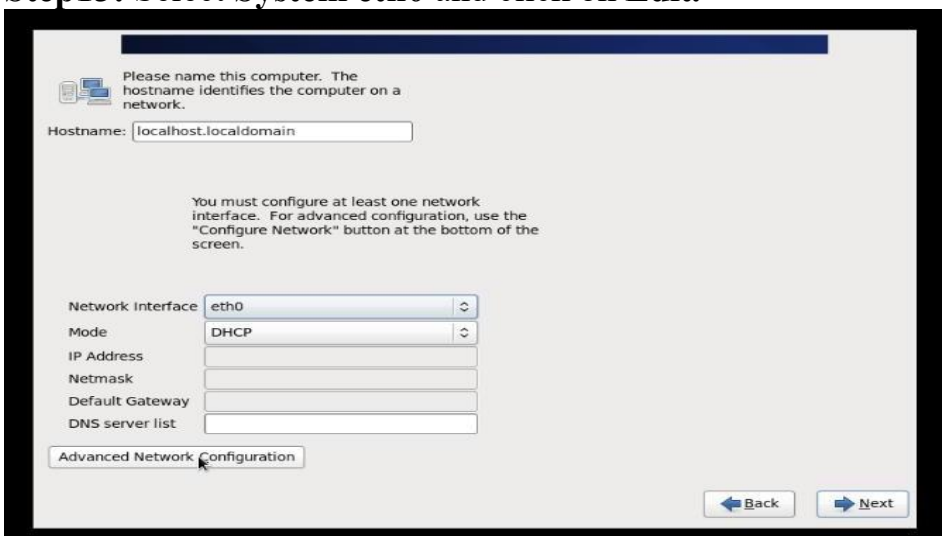
step10: Select **U.S English** & Press Enter



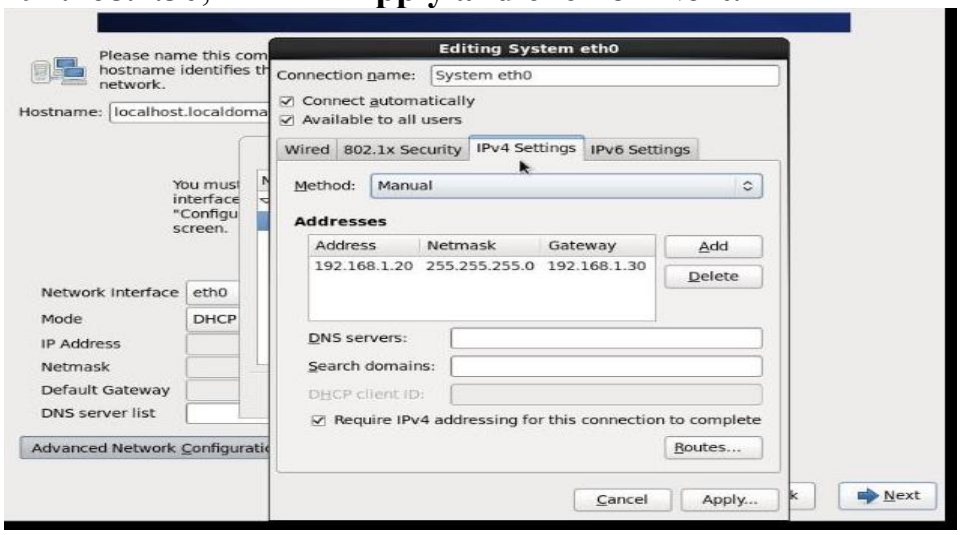
Step11: Click on **Yes, Discard any Data.**

Step12: Click on **Advance Network Configuration**

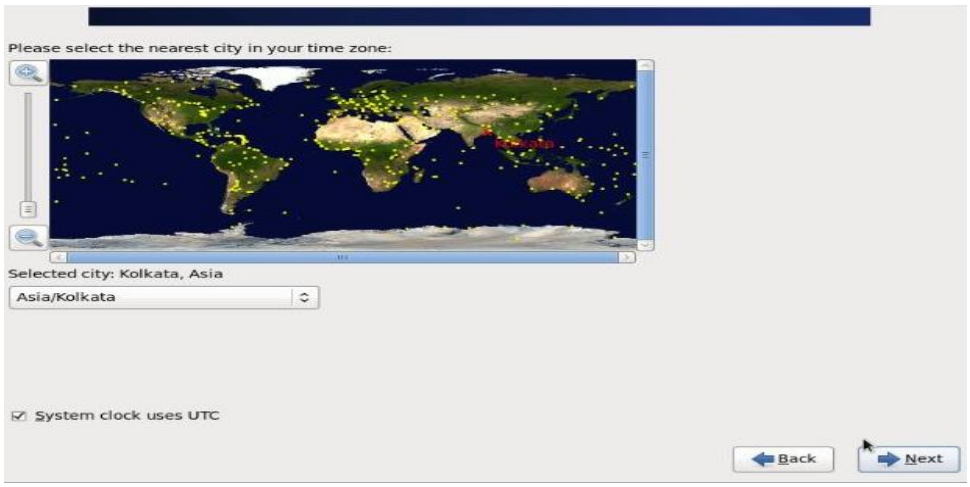
Step13: Select **System eth0** and click on **Edit.**



Step14: Click on Add **Address as 192.168.1.20**, **Netmasks 255.255.255.0, Gateway as 192.168.1.30**, click on **Apply and click on Next.**

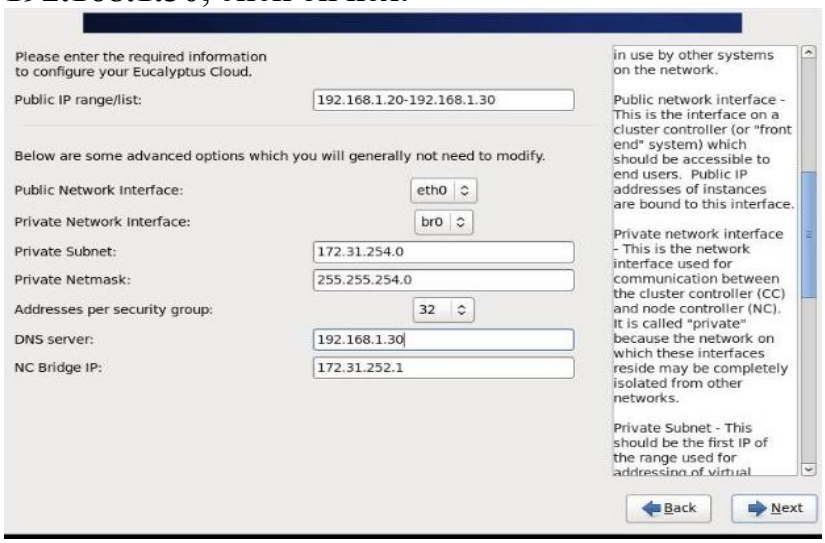


Step15: Select **Asia, Kolkata** and then next.

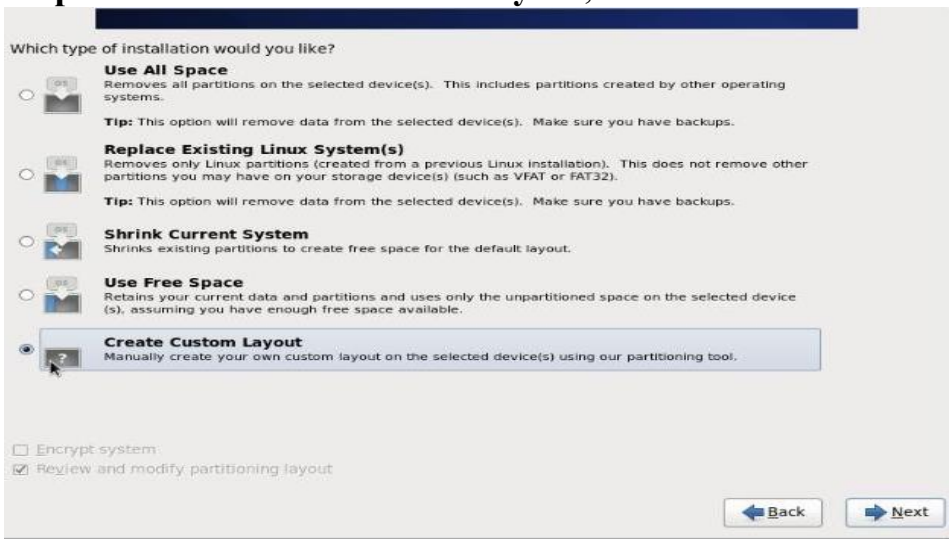


Step16: Create password and next.

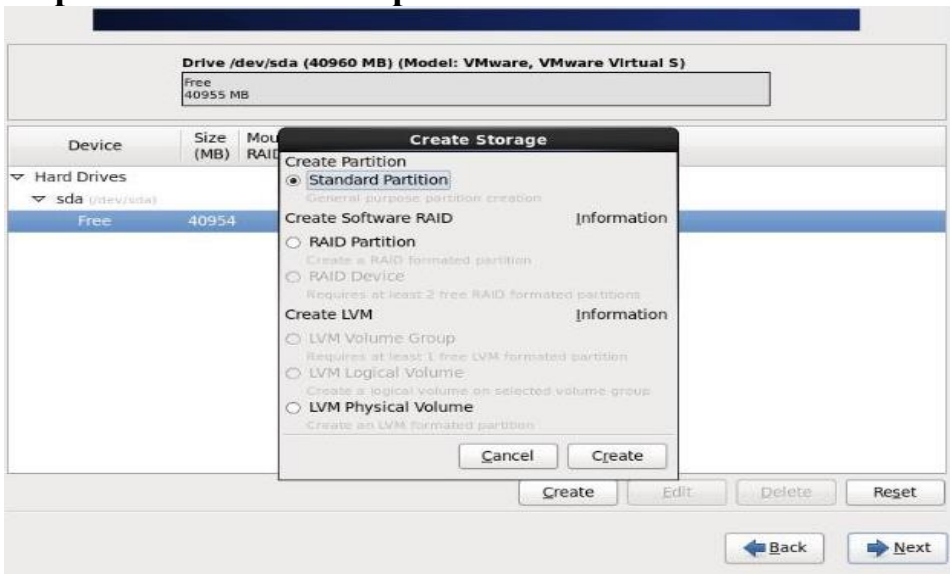
Step17: Place *public IP range* **192.168.1.20-192.168.1.30** and *DNS server* as **192.168.1.30**, click on next



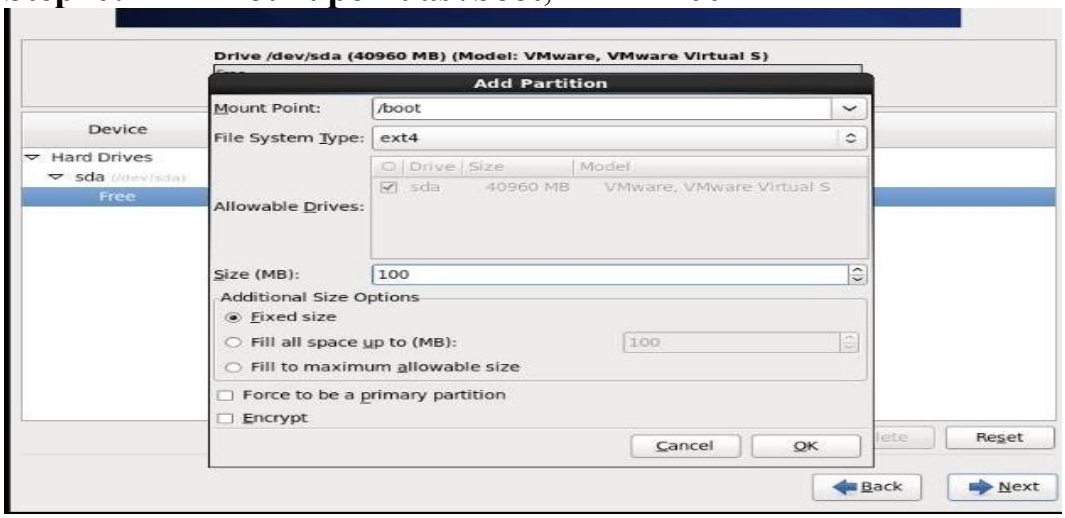
Step18: Select **Create Custom layout**, click on Next.



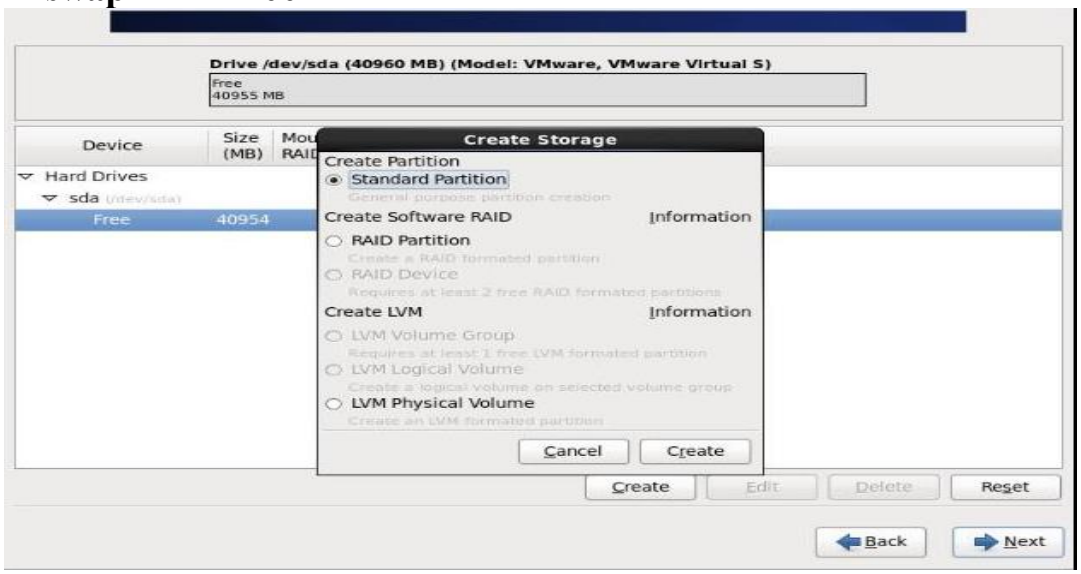
Step19: Select **Standard partition** and click on Create.

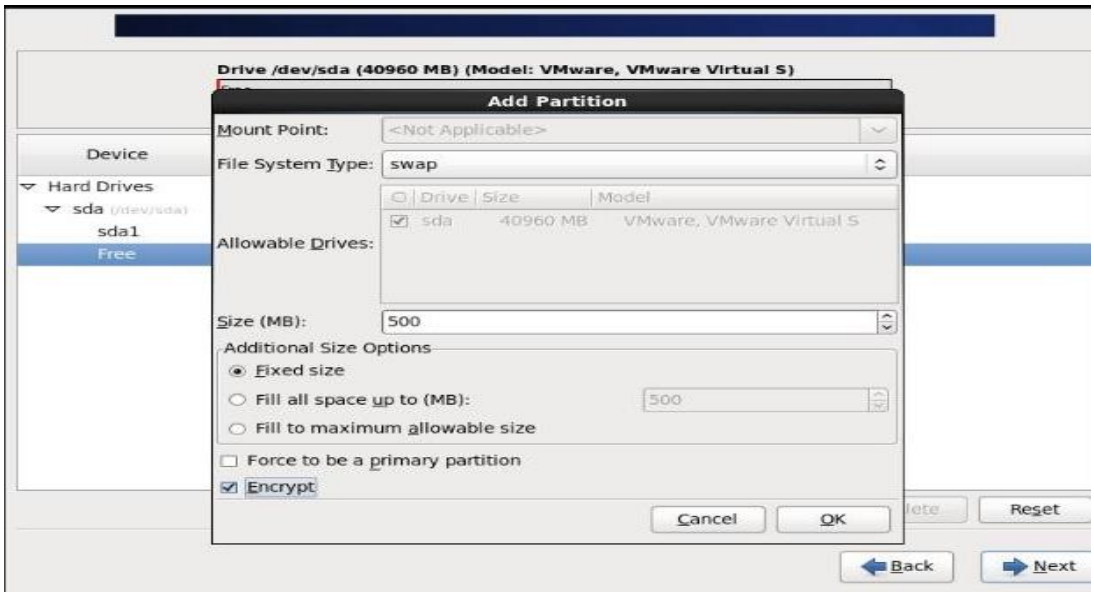


Step20: Give **mount point as /boot**, size as **100MB** and click on OK.

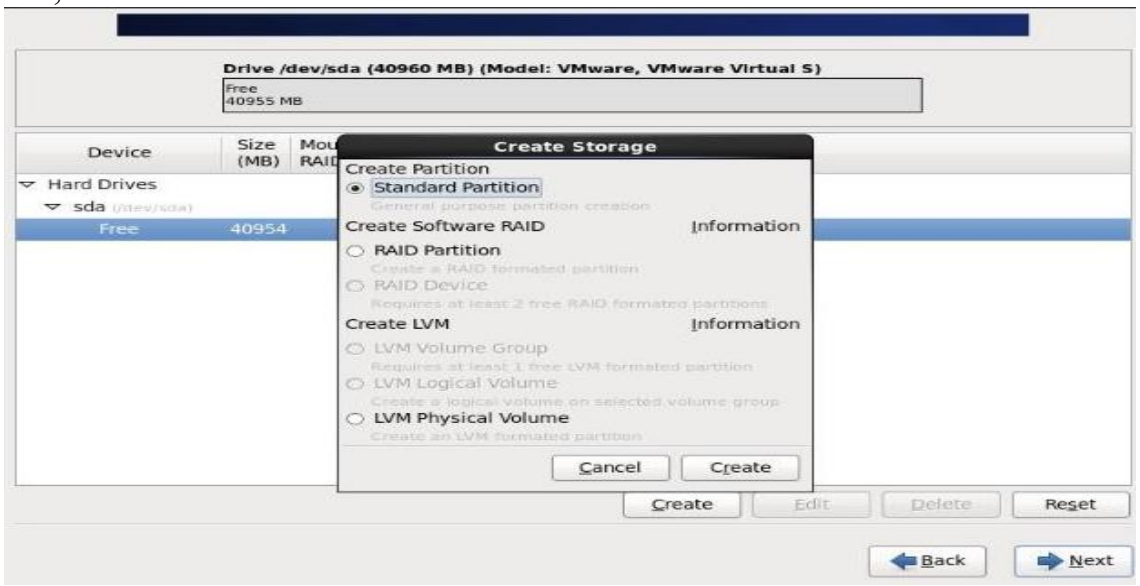


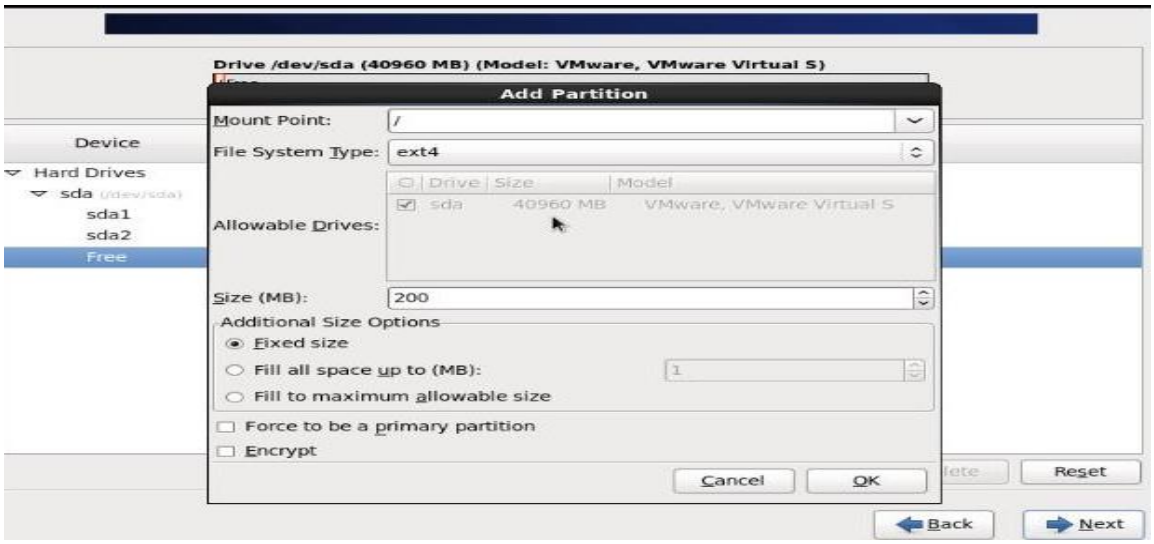
Step21: Again, Select **Standard partition** and click on Create & Select File System Type as **swap** size as 2**00MB** and click on OK.





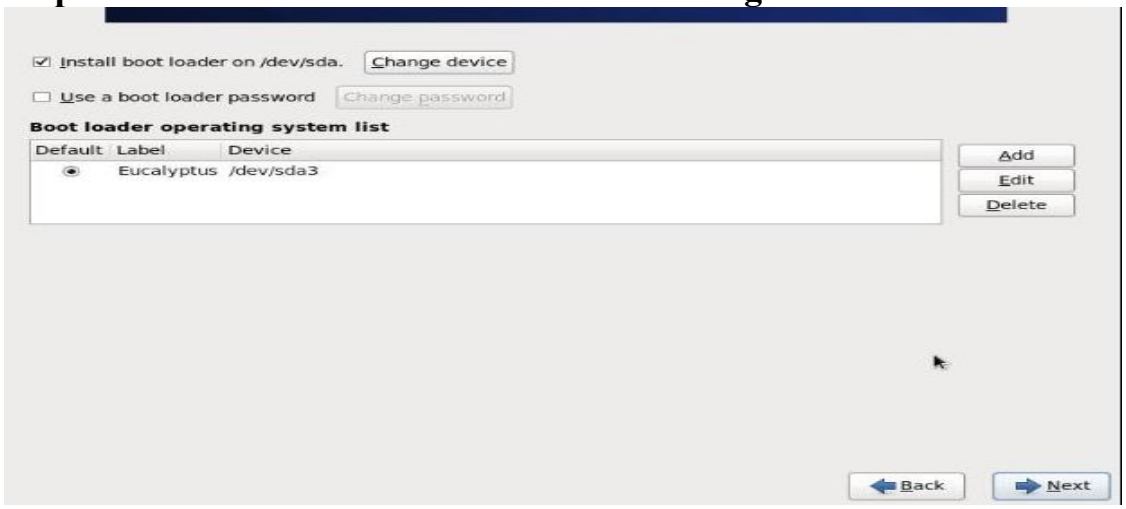
Step22: Again, Select **Standard partition** and click on Create & Give **mount point as "/"**, size as **200MB** and Select **Fill to maximum allowable size** click on OK.



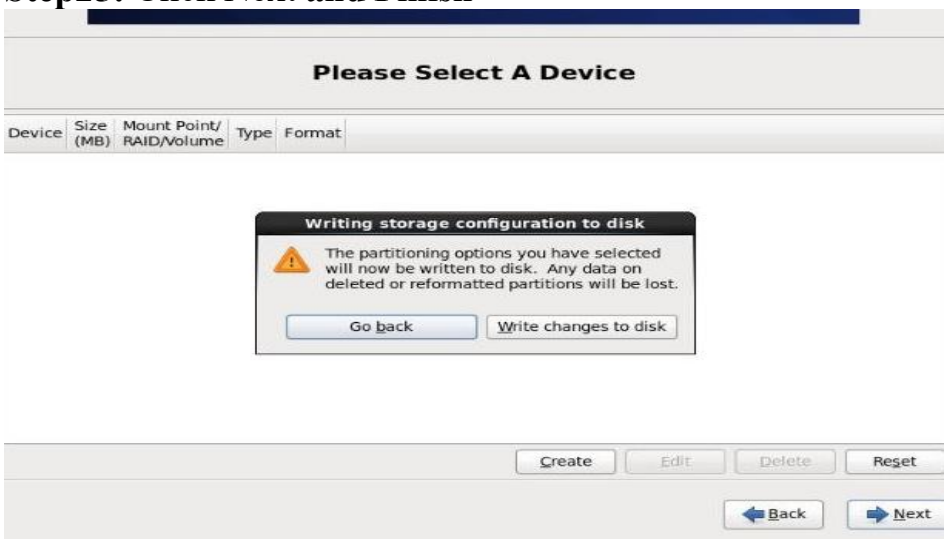


Step23: Click on Next

Step24: Click on **Format** & click on **Write changes to disk.**

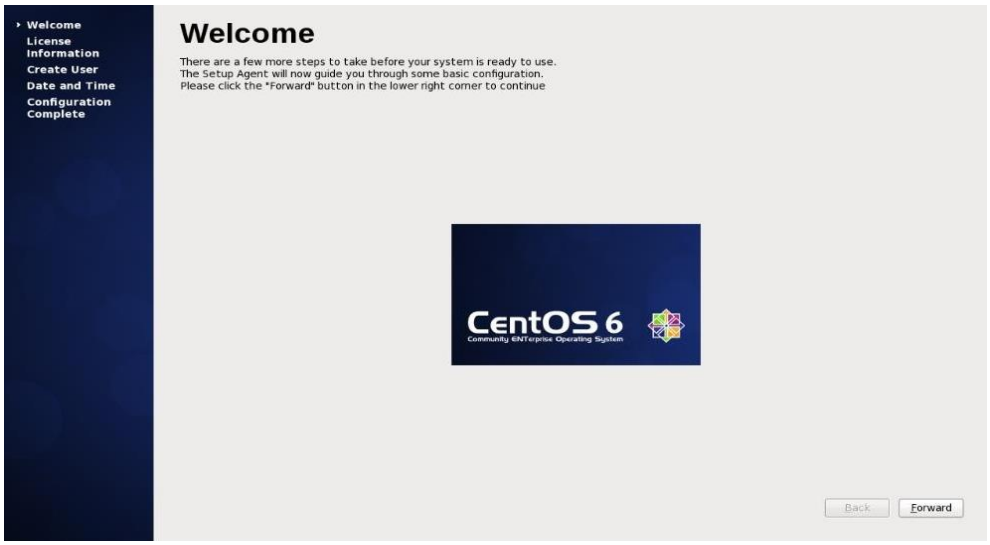


Step25: Click Next **and Finish**

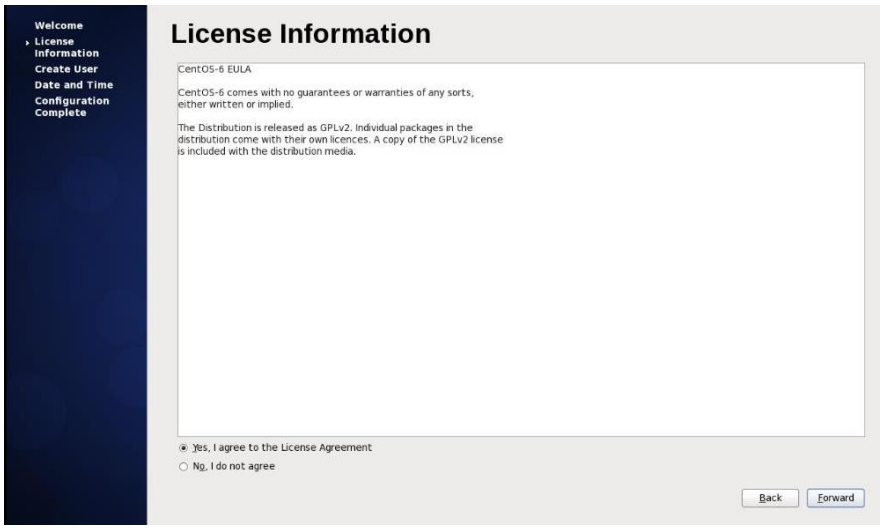


Step26: Click on **Reboot**

Step27: Click on **Forward**

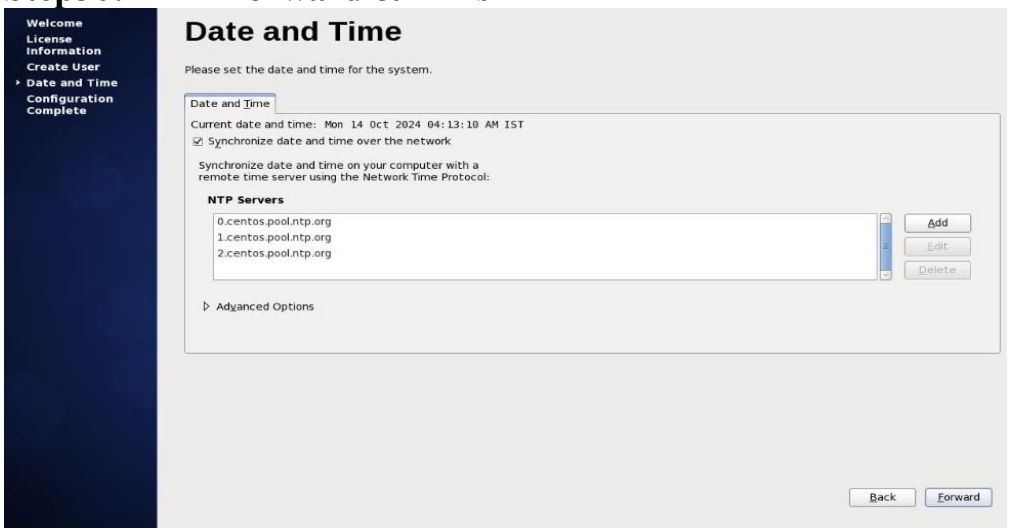


Step28: Click on **"Yes, I agree the license Agreement"** and **Forward**

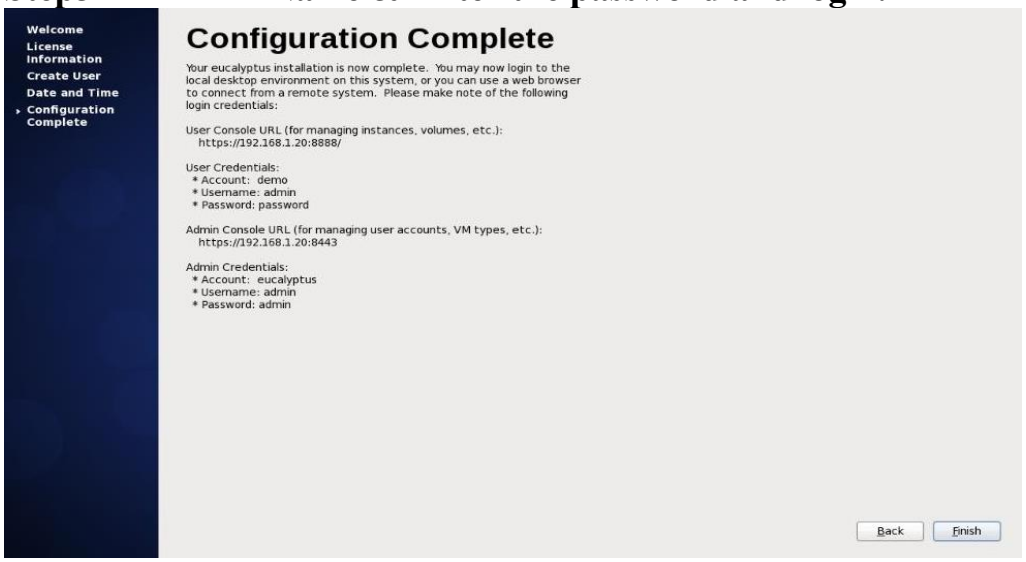


Step29: Fill up **username, Full name, password & confirm Password of your choice.**

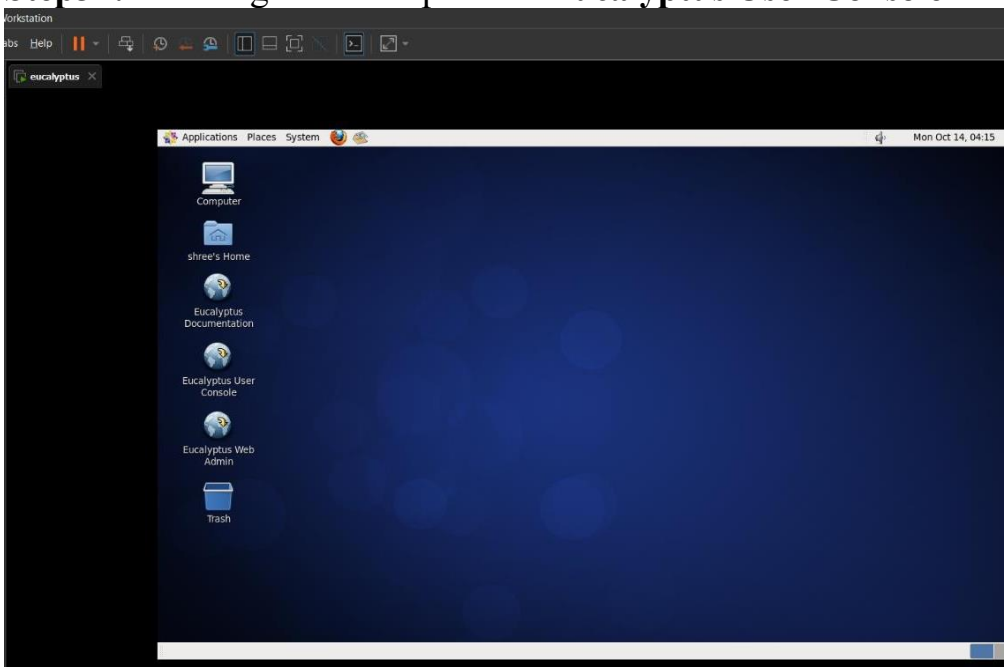
Step30: Click **Forward & Finish**



Step31: Click on **Name & Enter the password and login.**

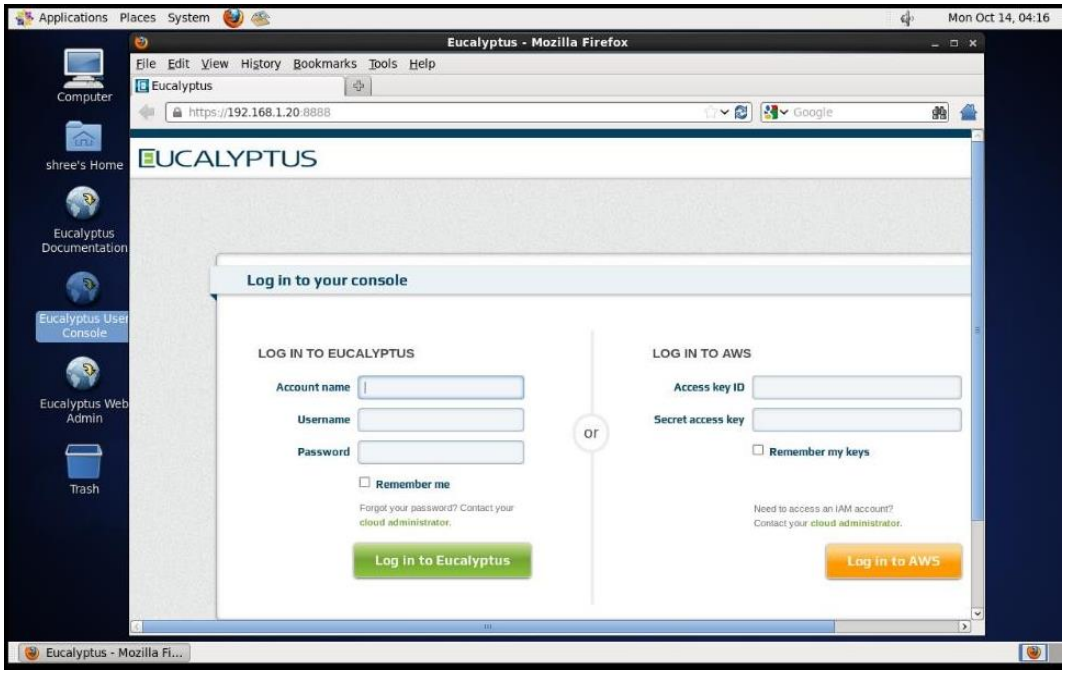


Step32: After login it will open this **Eucalyptus User Console**

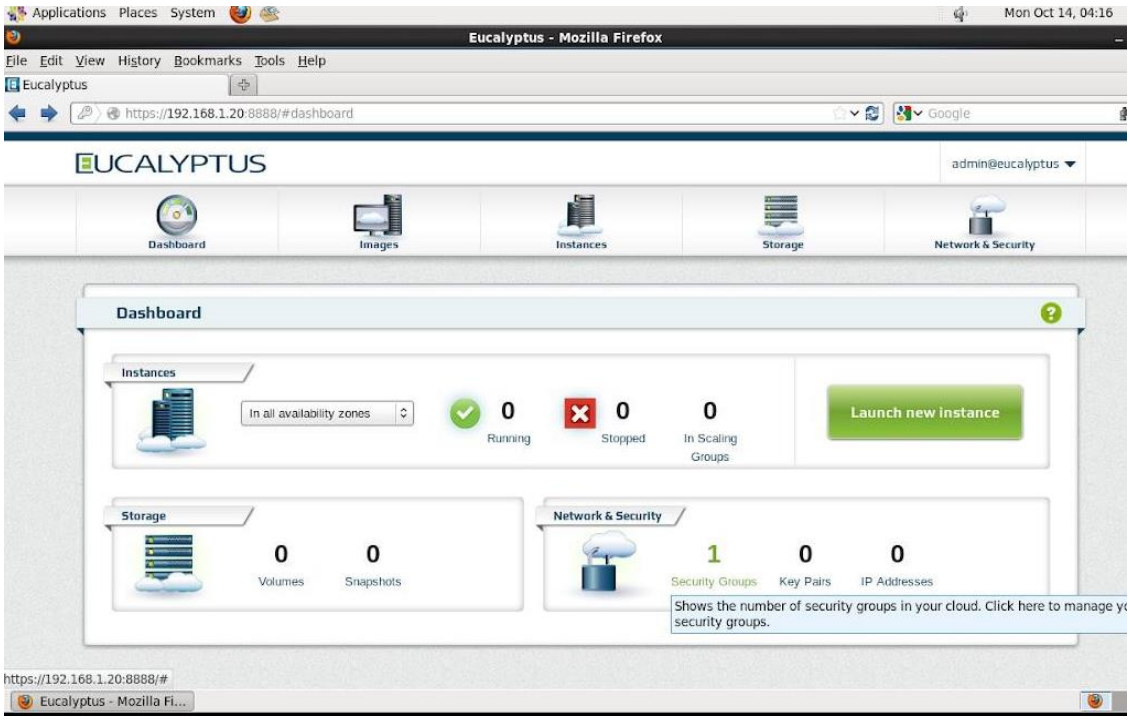


Step33: Now First Click on **Understand the risk and then add exception**

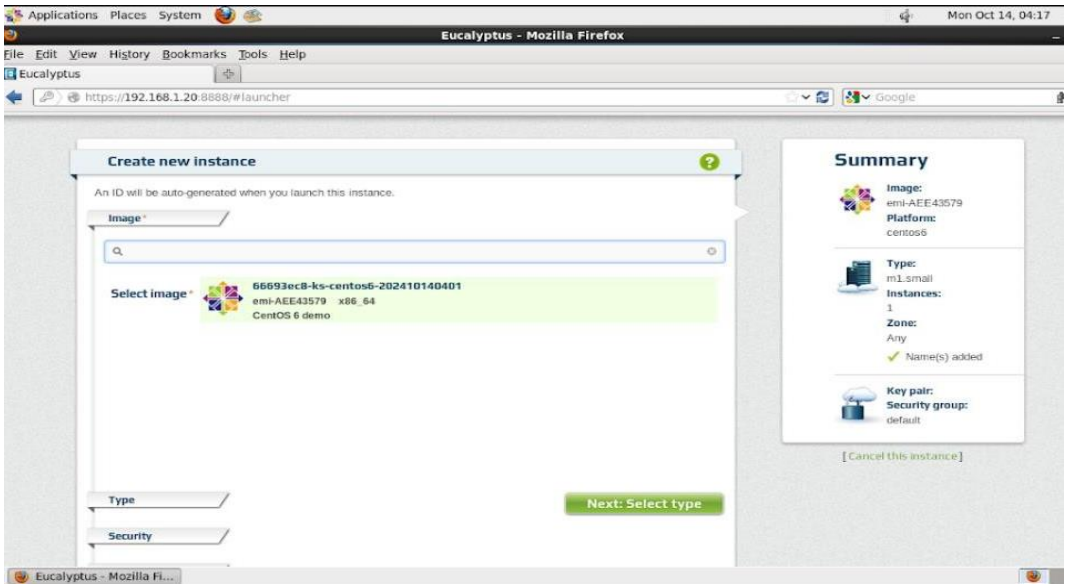
Step34: Login to Eucalyptus



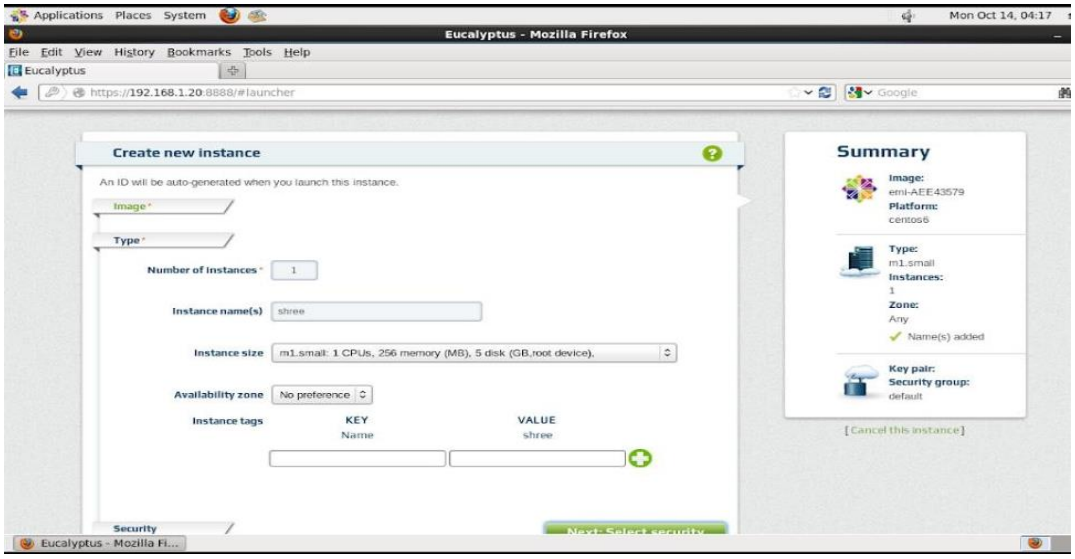
Step35: Create instance by Clicking on **"Launch new Instance"**



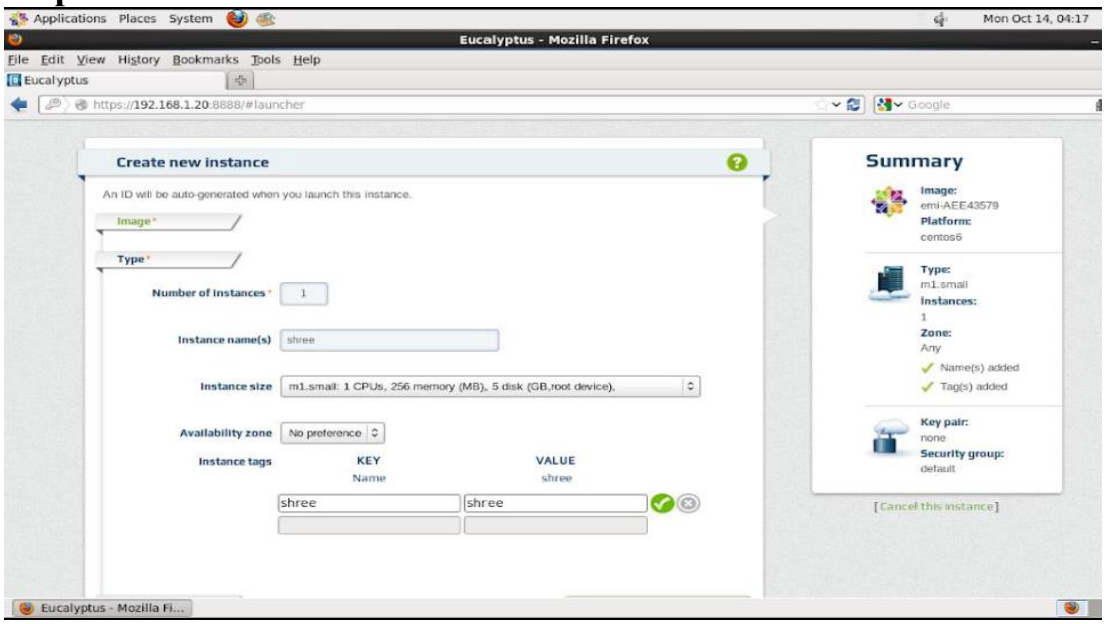
Step36: Click on **Next: Select Type** and give the **instance name** as **Eucalyptus** and **key name is yogesh.**



Step37: In security, **Select key name: none** and leave others by default.



Step38: Click on Launch Instance



Step39: After clicking on launch instance, it will display this window.