

GHARDA FOUNDATION
GHARDA INSTITUTE OF TECHNOLOGY, LAHEL
Department of Computer Engineering

Evaluation Sheet

Class: TE-Computer Engineering

Sem: V

Subject: **Cloud Computing Lab**

Experiment No: 3

Title of Experiment: Virtualization. Objective: study bare metal hypervisors.

Name of Student: Niraj Nitin Surve

Roll No: 68

Date of Performance:

Sr. No.	Evaluation Criteria	Max Marks	Marks Obtained
1	Practical Performance	8	
2	Oral	5	
3	Timely Submission	2	
	Total	15	

Signature of Subject Teacher
(Mr. S. S. Tathare)

Screenshots –

Step 1: Install Xen Server

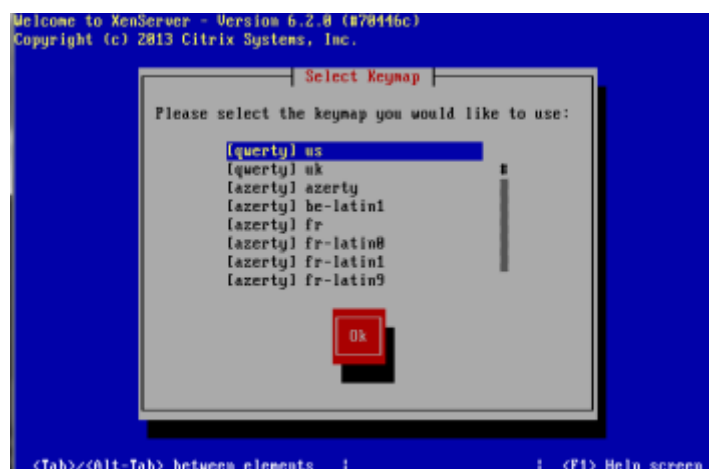
- 1) Insert Bootable Xen Server CD into CDROM and Make first boot device as a CDROM from BIOS



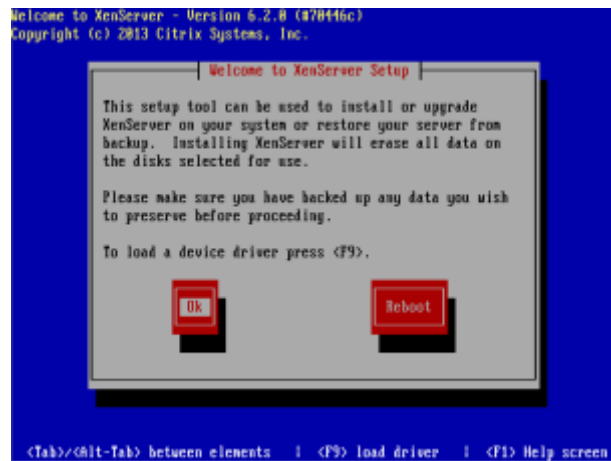
- 2) Press F2 to see the advanced options, otherwise press Enter to start installation



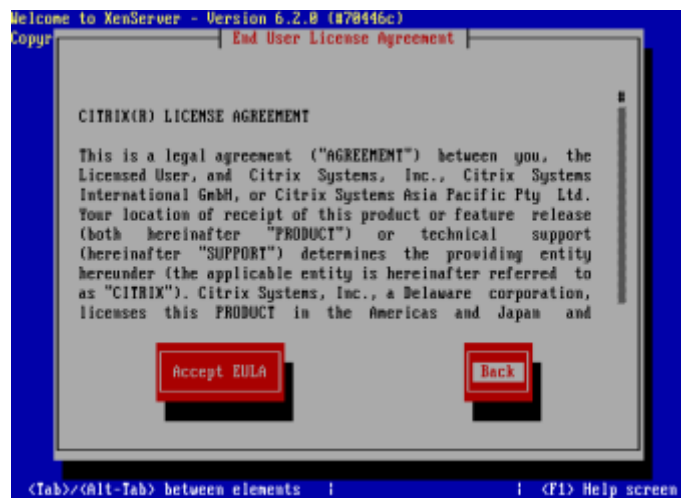
- 3) Select Keyboard Layout



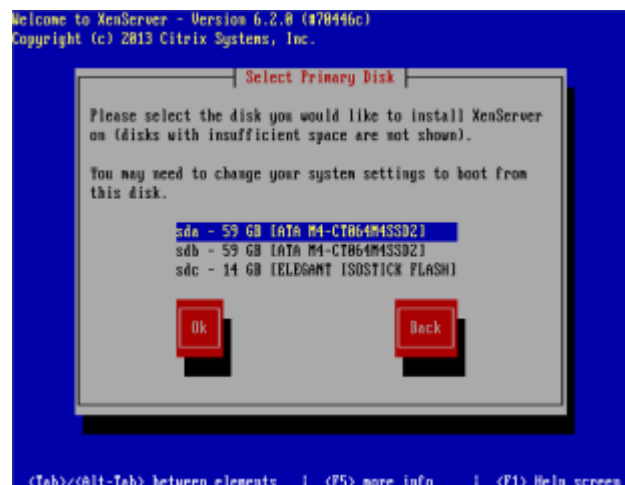
4) Press Enter to load Device Drivers



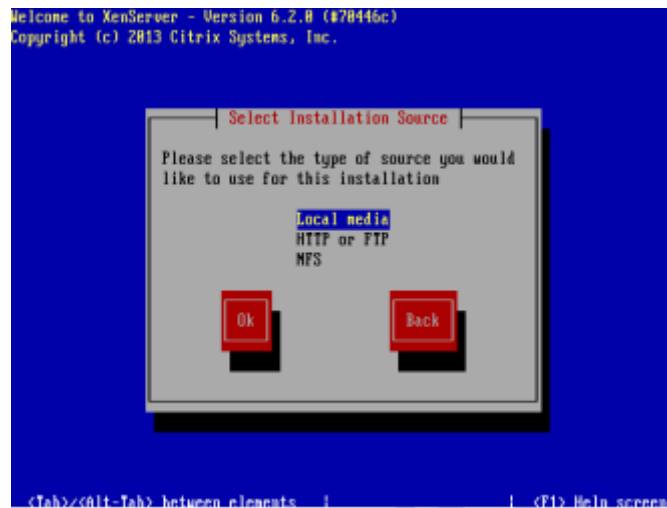
5) Press Enter to Accept End user license Agreement



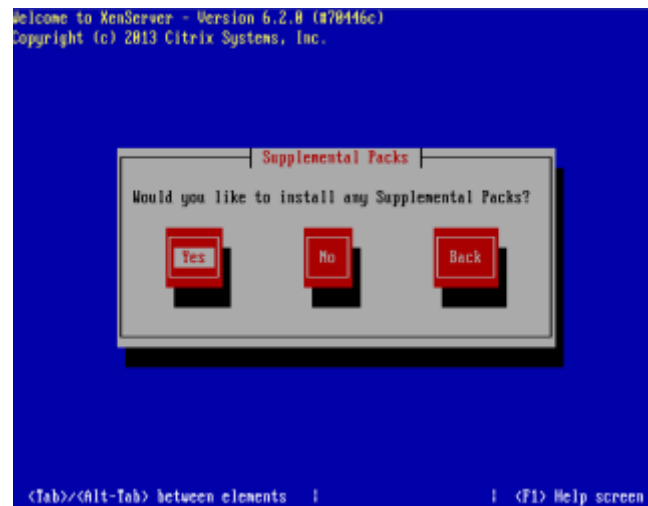
6) Select Appropriate disk on which you want to install Xen server



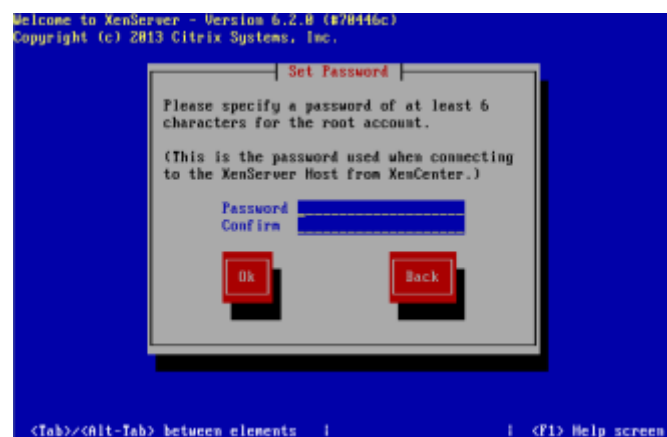
7) Select Appropriate installation Media



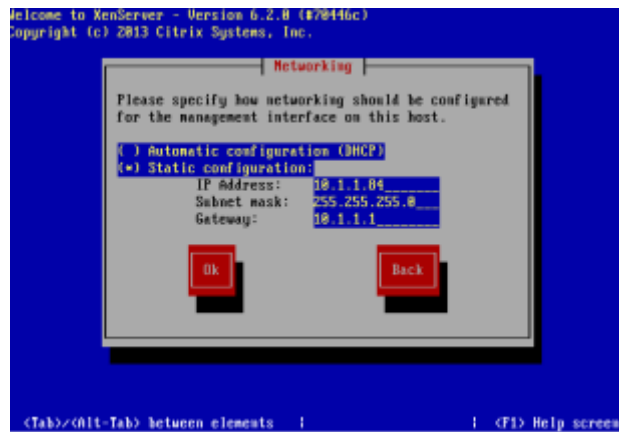
8) Select Additional Packages for installation



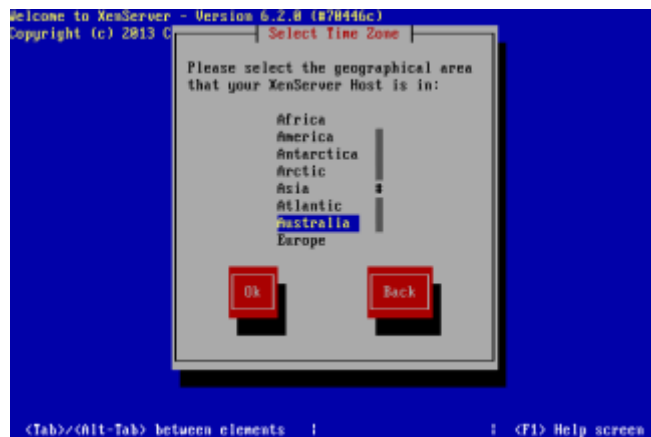
9) Specify Root password



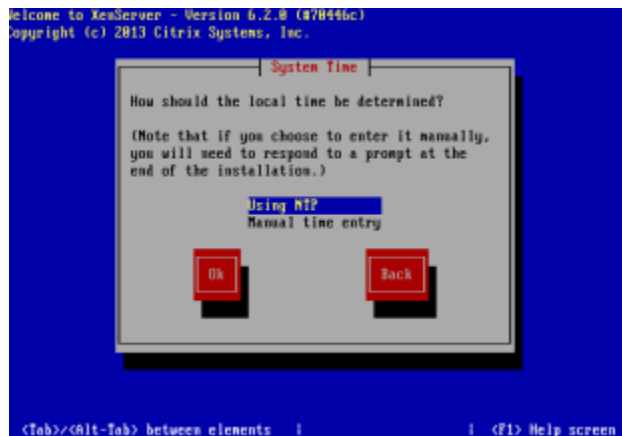
10) Specify IP Address to a Xen Server



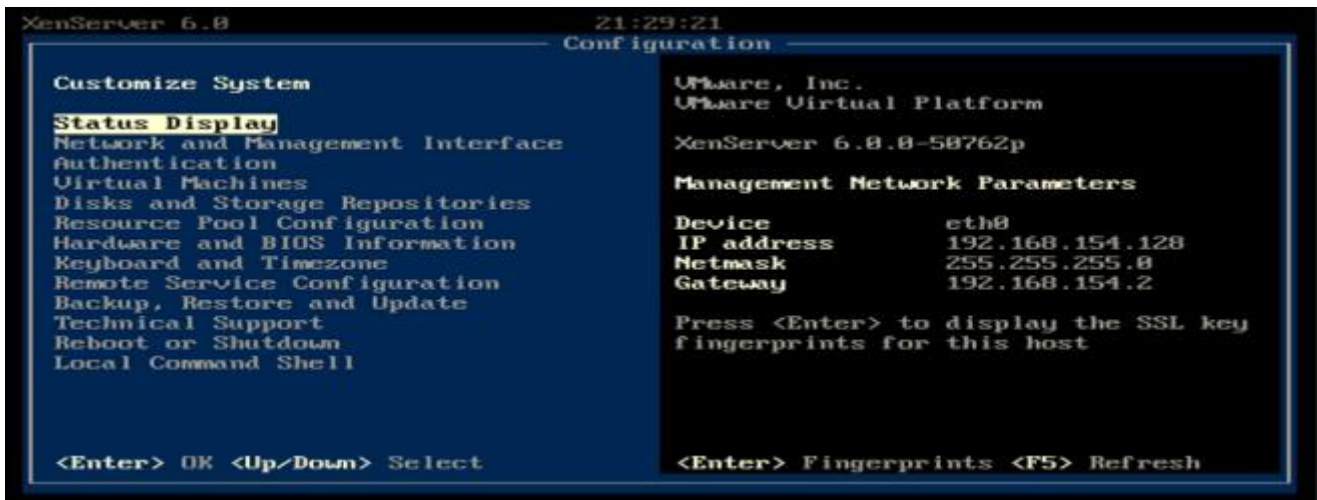
11) Select Time Zone



12) Specify NTP Servers address or use manual



Once installation is done you will see the final screen shown below.

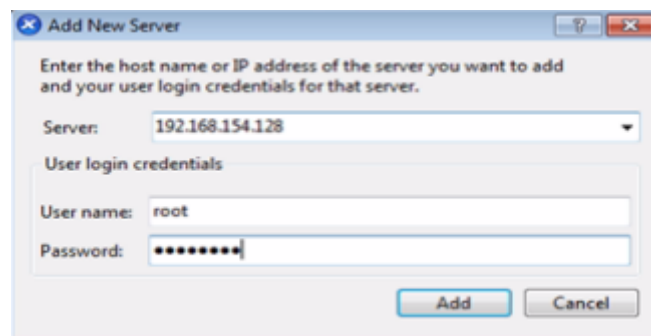


Step 2: Connect Xen Server to Xen Center

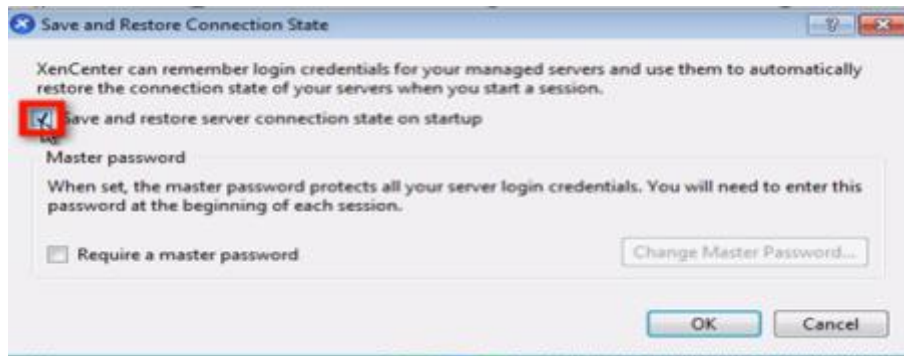
To connect to the XenServer host you configured earlier, click Add a server.



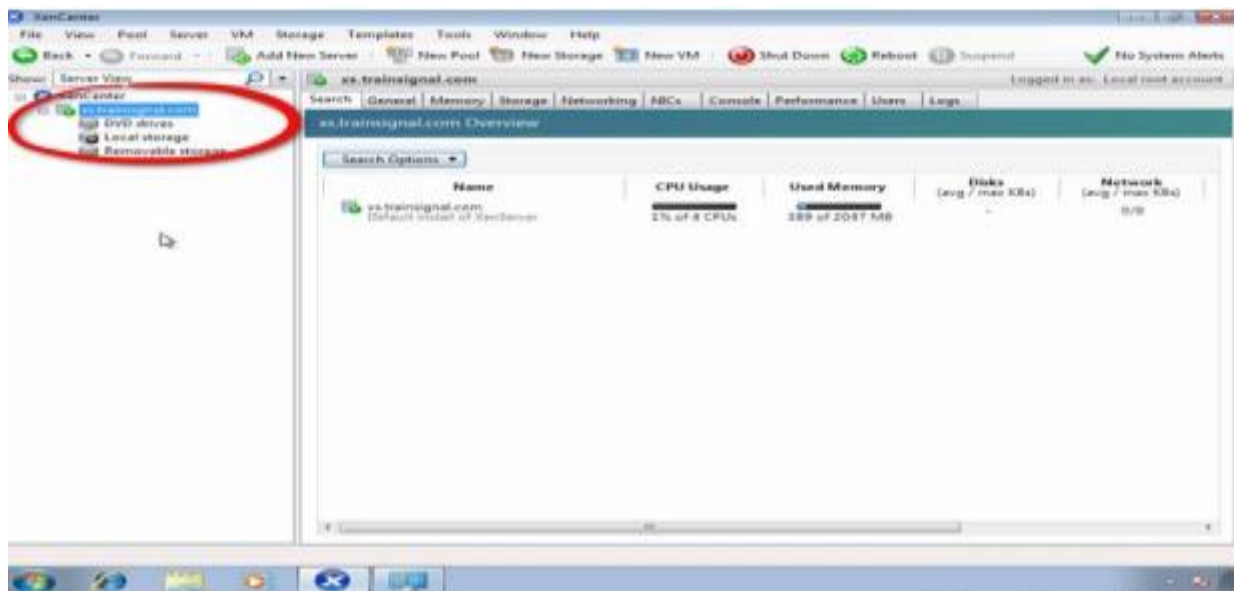
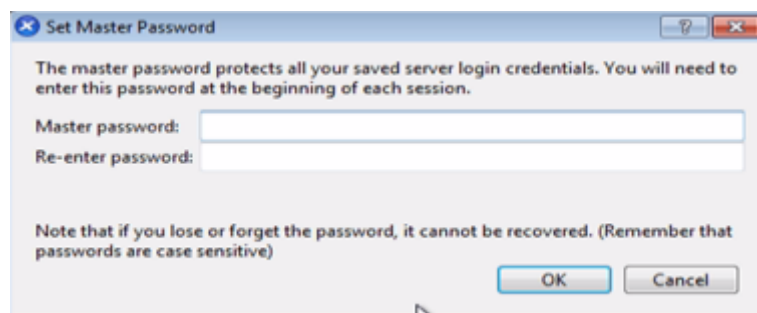
Enter the IP address. Also enter the password assigned for root account. Click Add.



Adding a new XenServer to XenCenter is to save and restore the server connection state on startup. Check the box.

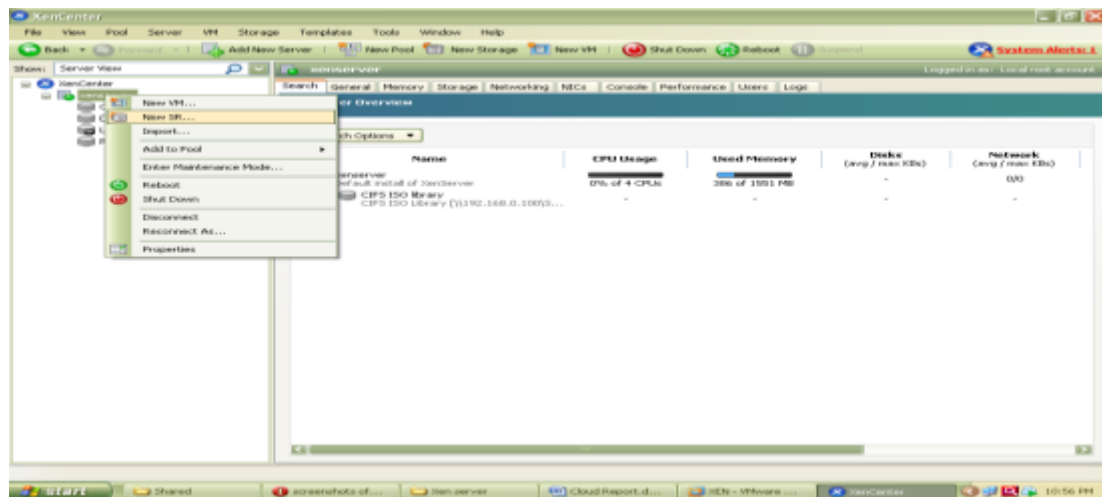


Click the Require a master password checkbox, and then enter desired master password in the fields provided.

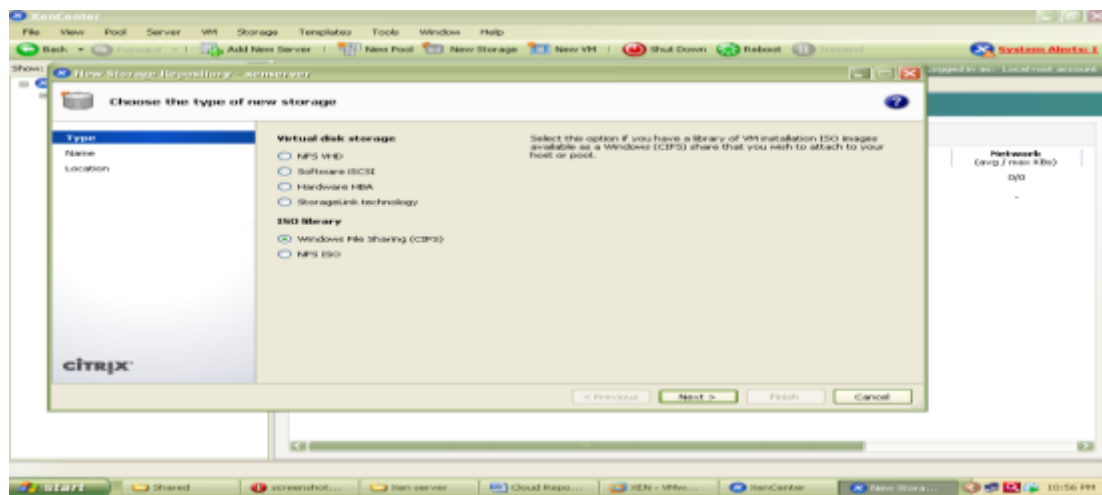


Step-3 Create Storage Repository and Installing VM

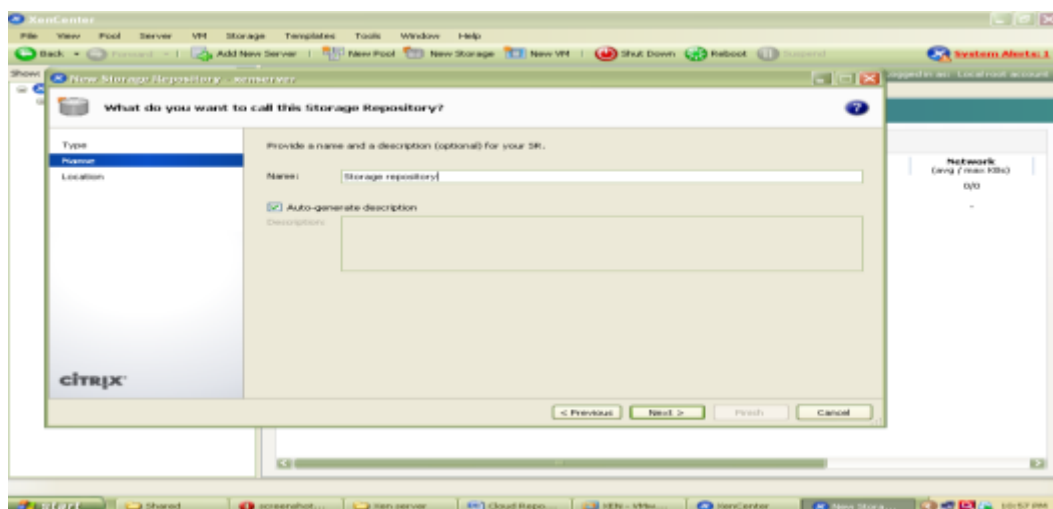
Install Operating system on Xen Server. Right click on Xenserver icon on xen center and click on New SR.



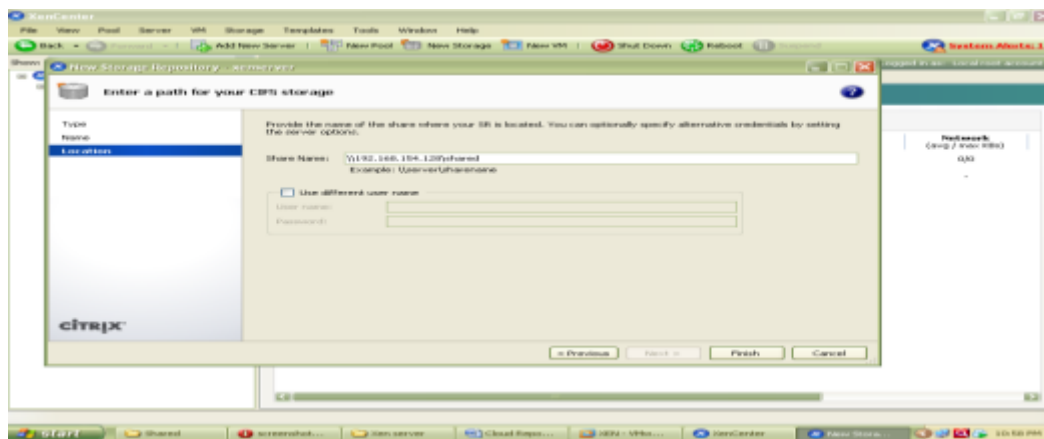
Now Select Windows CIFS library



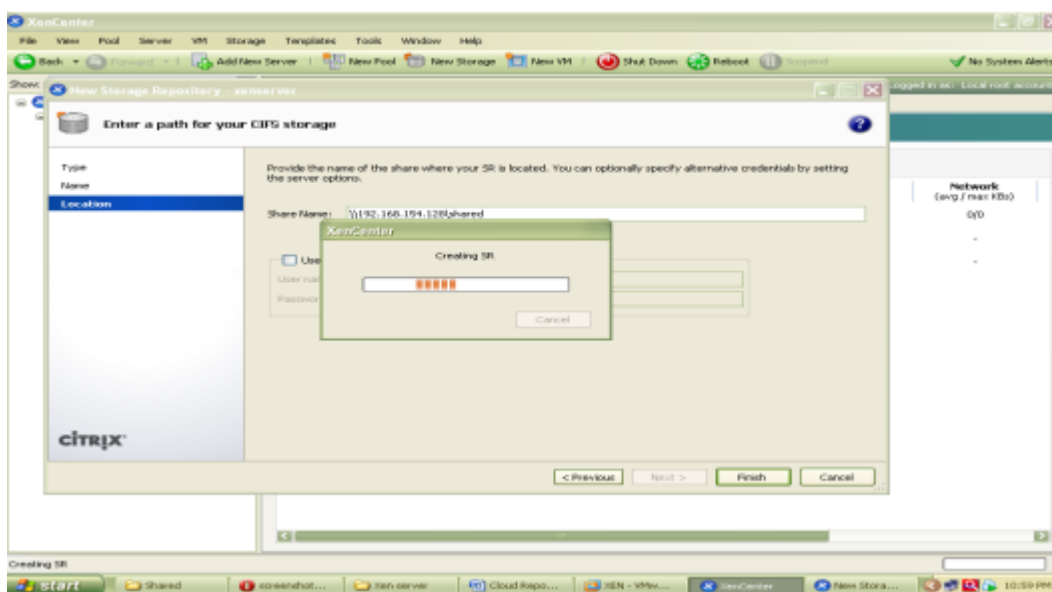
Specify Storage Repository Name



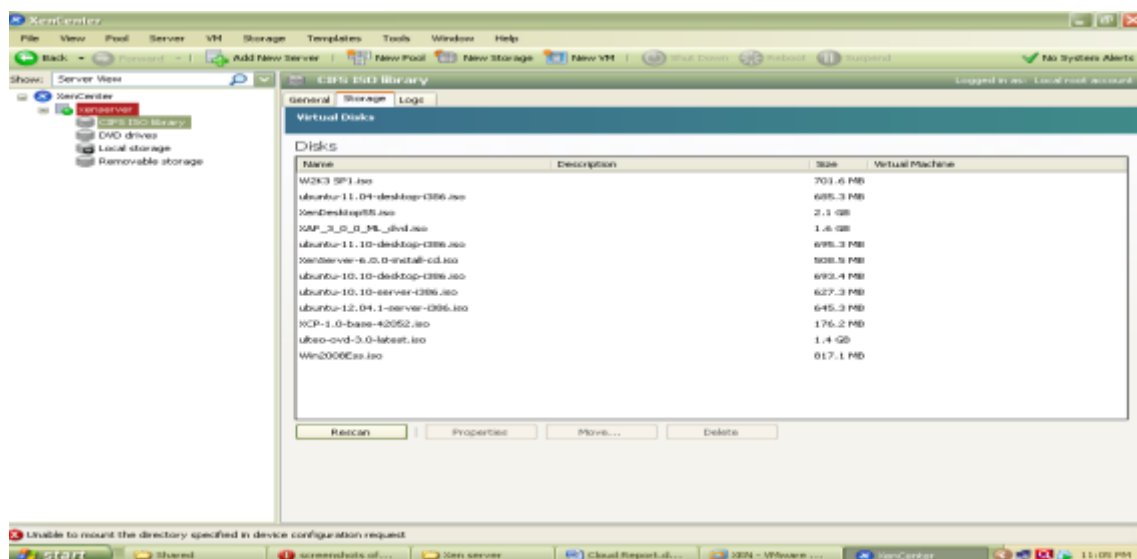
Now specify path of shared folder at client side which holds all iso files of os or VM



At the end Click on finish to create SR.

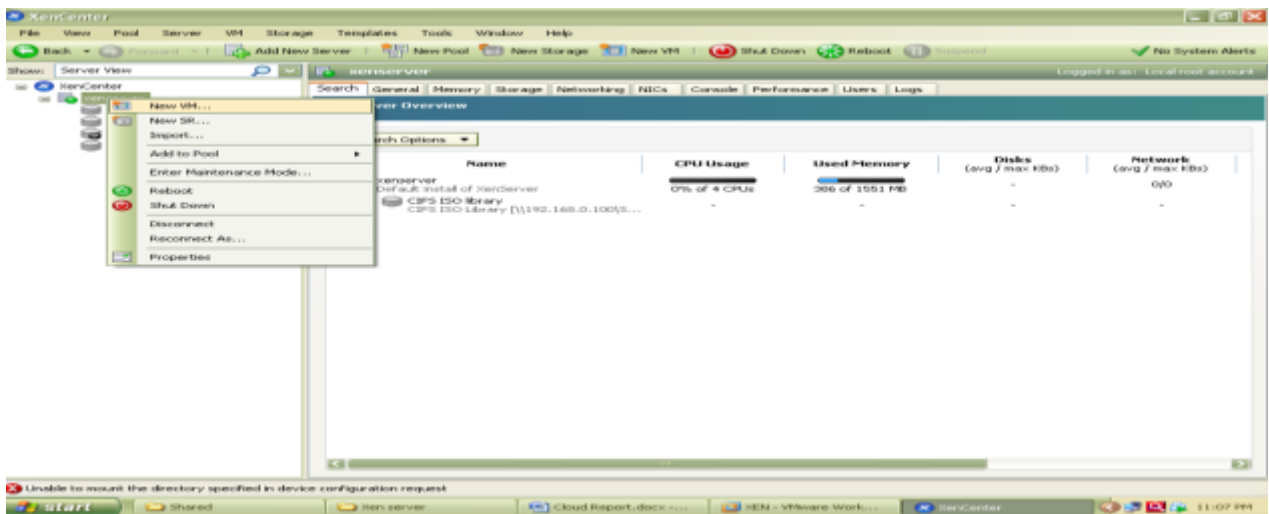


To check all iso files click on CIFS library and select storage this will show you all iso files.

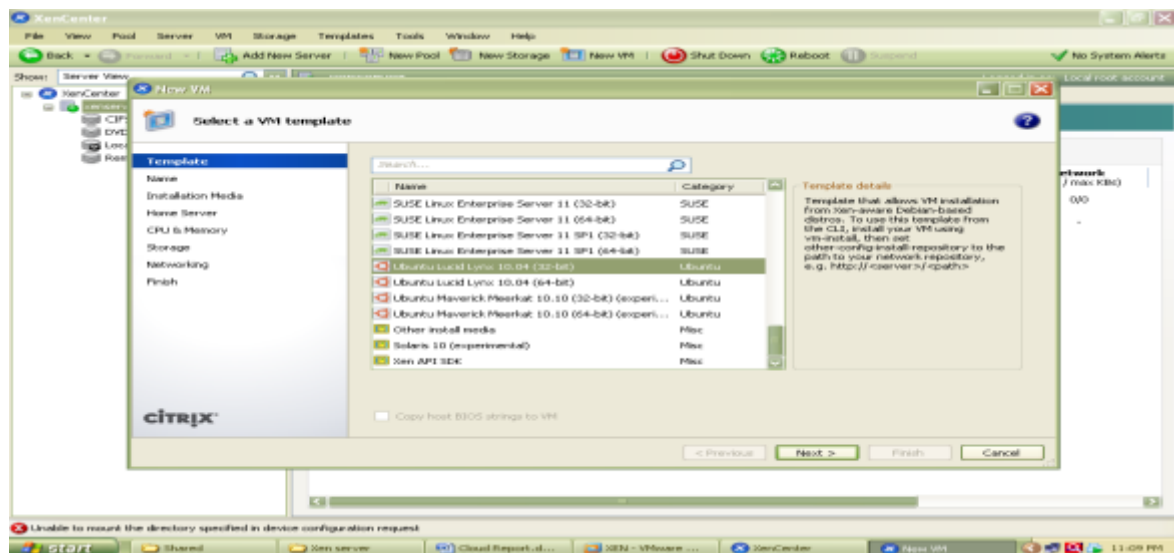


Installation of UBUNTU Server on Xen Server

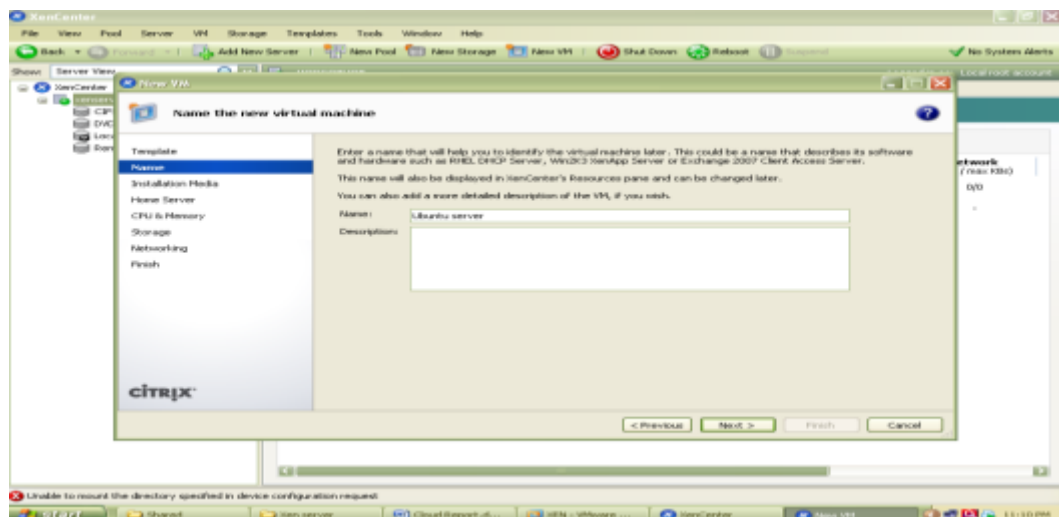
Step 1 -: Right click on Xenserver icon on xen center and select New VM



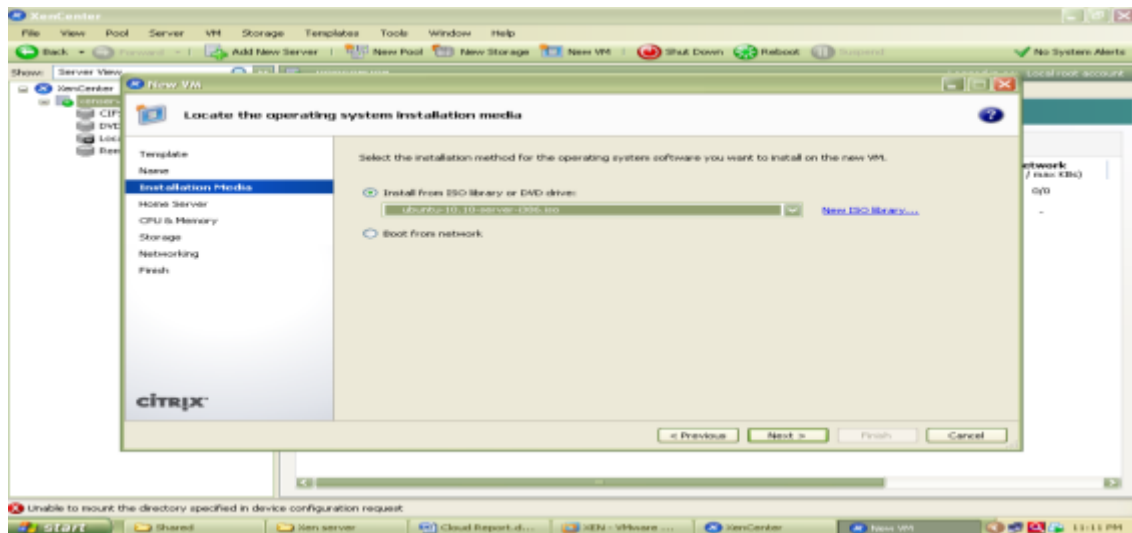
Now select an Operating System to be install here select Ubuntu Lucid Lynx and click on next



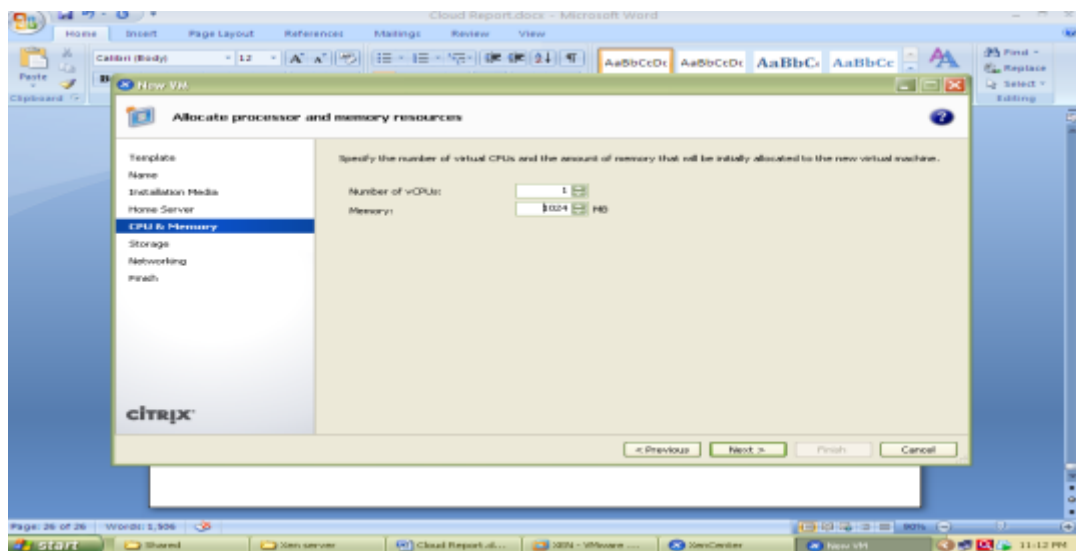
Now specify Instance Name as ubuntu server



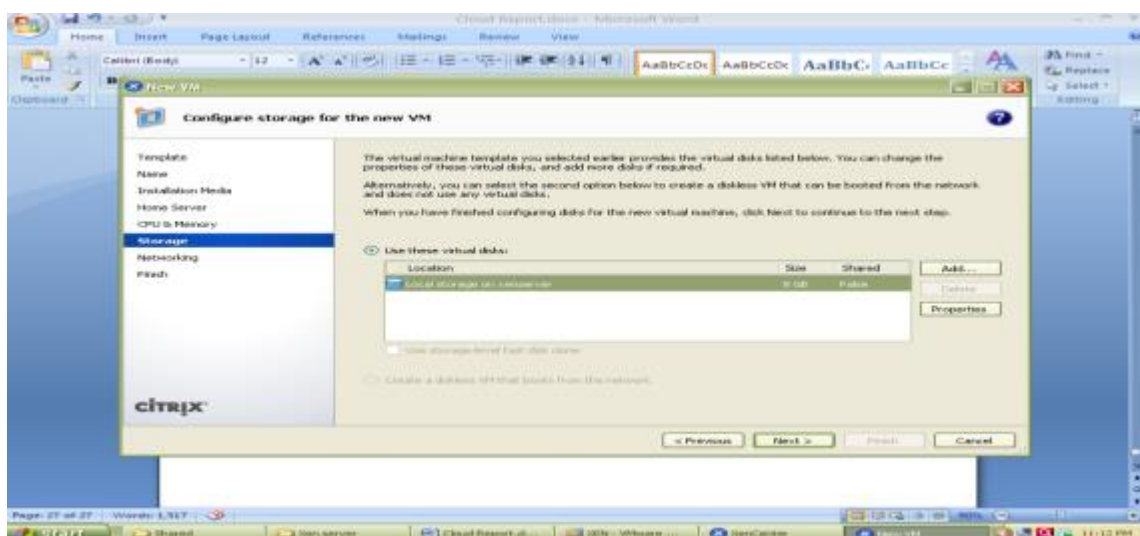
Select iso file of Ubuntu server 10.10 to be install



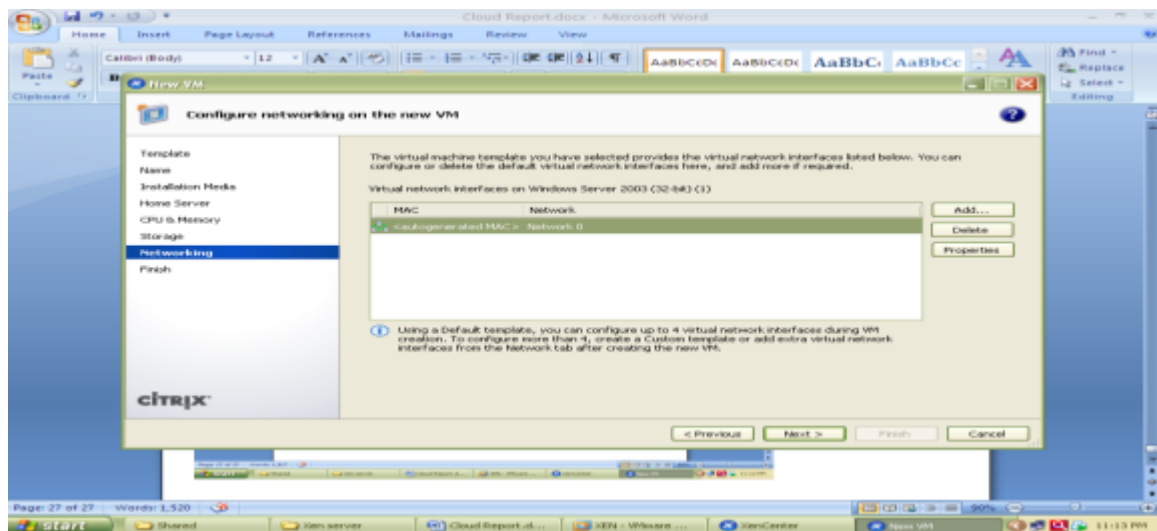
Now select hardware for vm i.e. no. of cpu's and memory



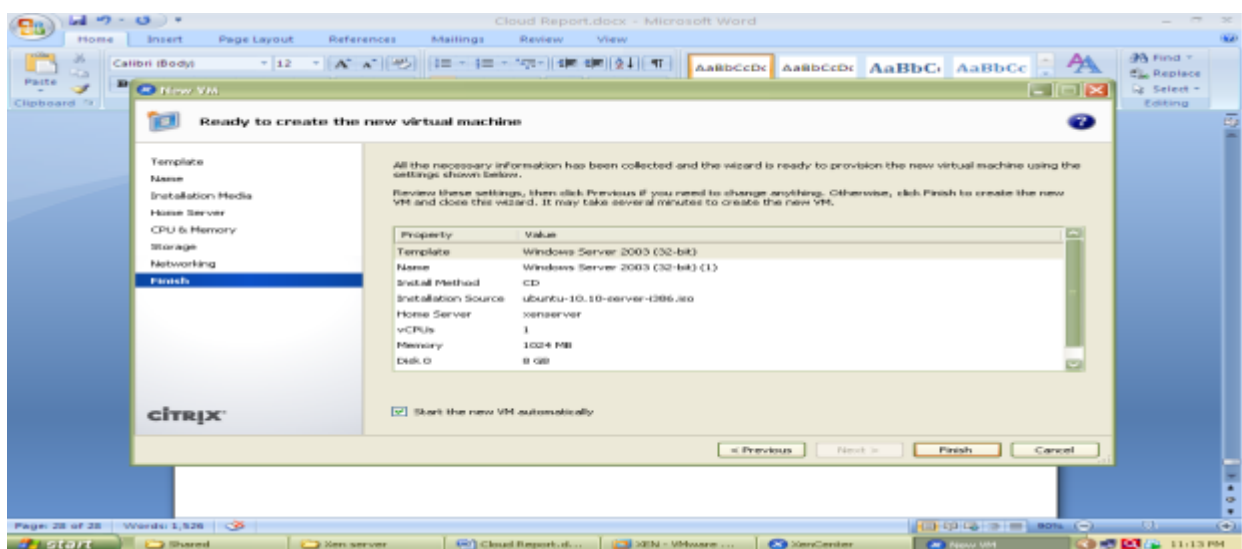
Select local storage



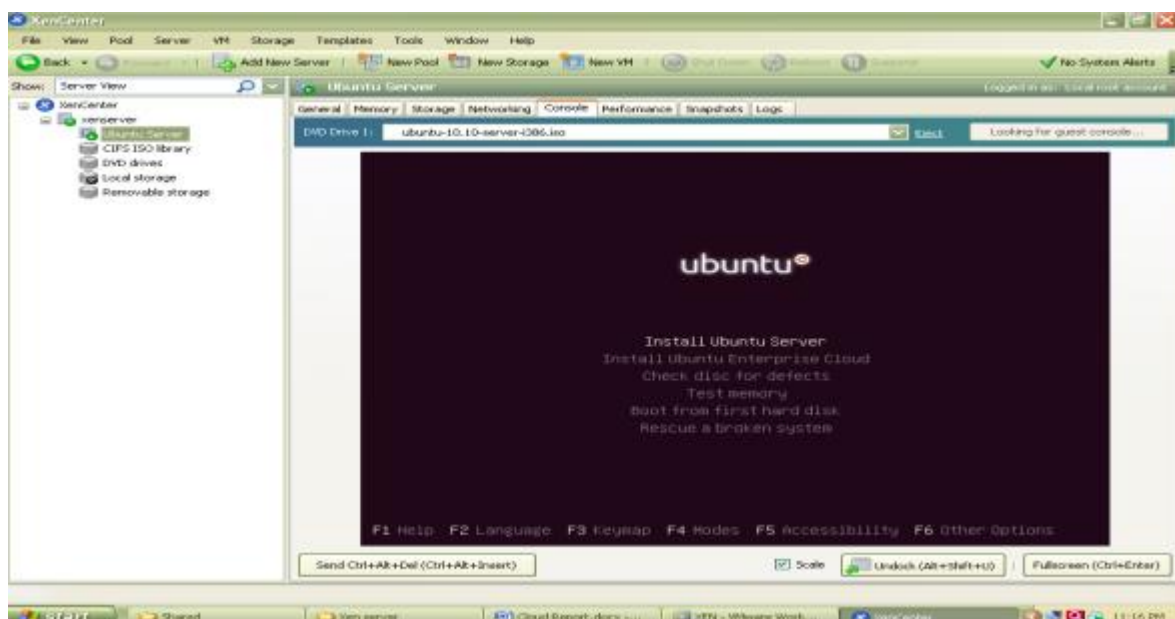
Select network



And click on finish



Now go to Console tab to install ubuntu and follow installation Steps.



The Xen orchestra provides web based functionality of Xen Center.it provides access to all the VMs with their lifecycle management which are installed over Xen Server.

