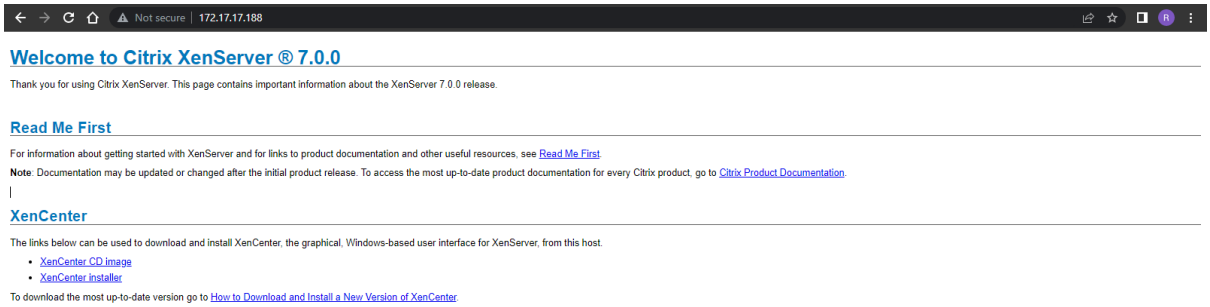
Ex No: 05	LIVE MIGRATION OF VM WITH XEN SERVER AND XEN CENTER

Aim:

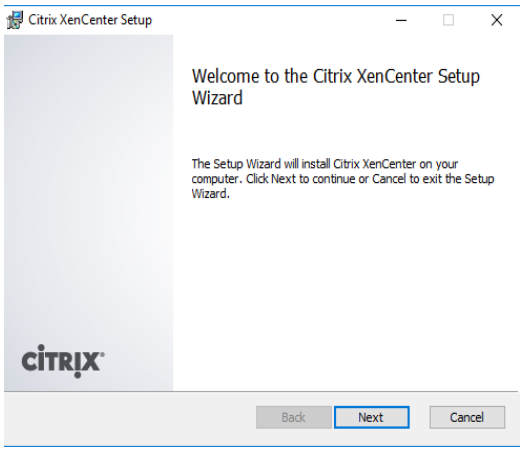
To implement live migration of VM with Xen server and Xen center.

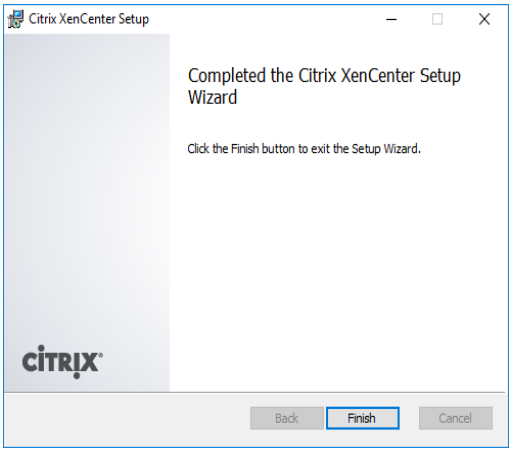
Procedure:

Open browser type 172.17.17.188



Download XenCenter installer



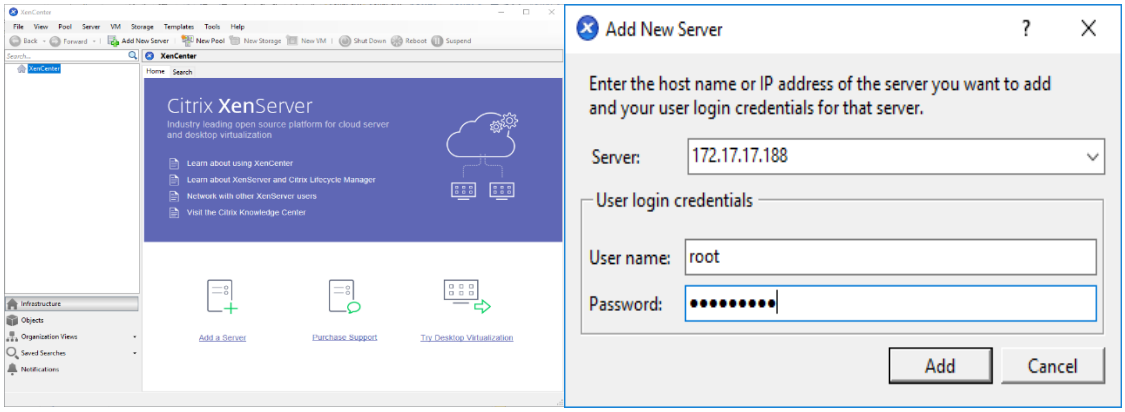


Click on the Add New Server Option. A dialog box to add a new server will appear. Type in the IP address of the server also the user's name and password.

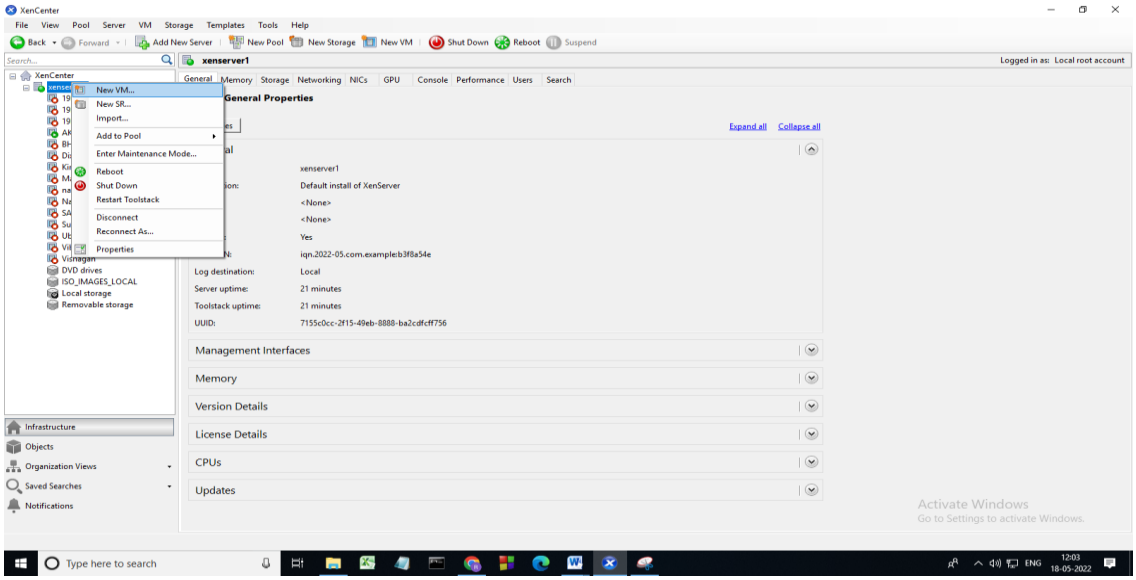
Server : 172.17.17.188

Username : root

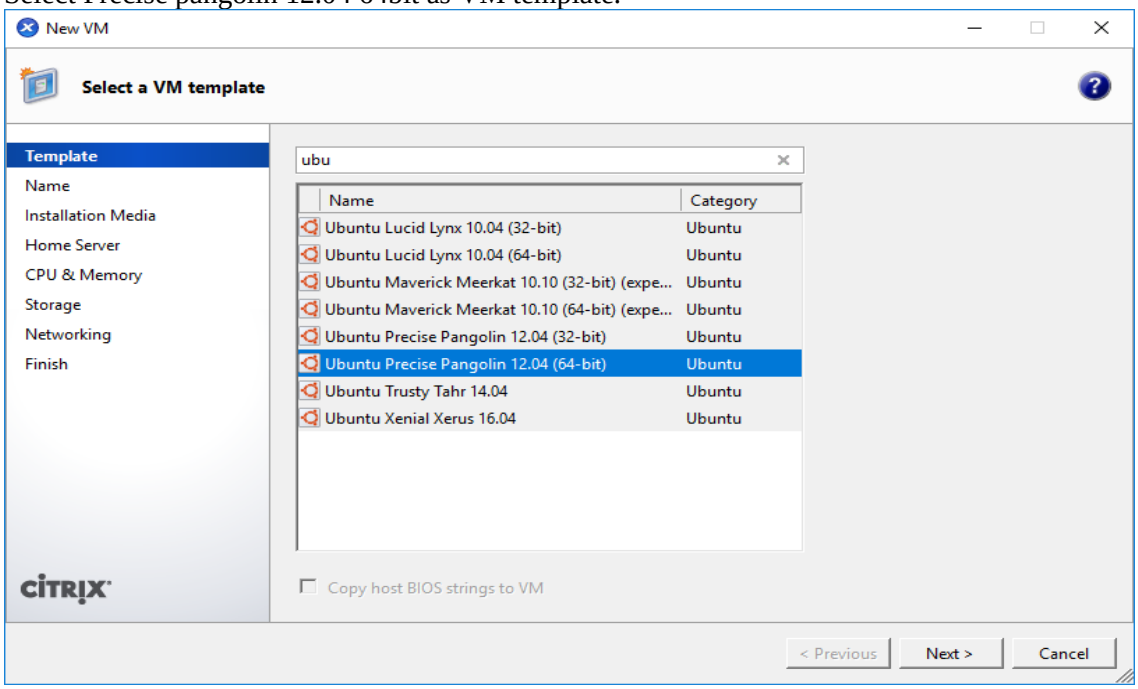
Password : tceit@123



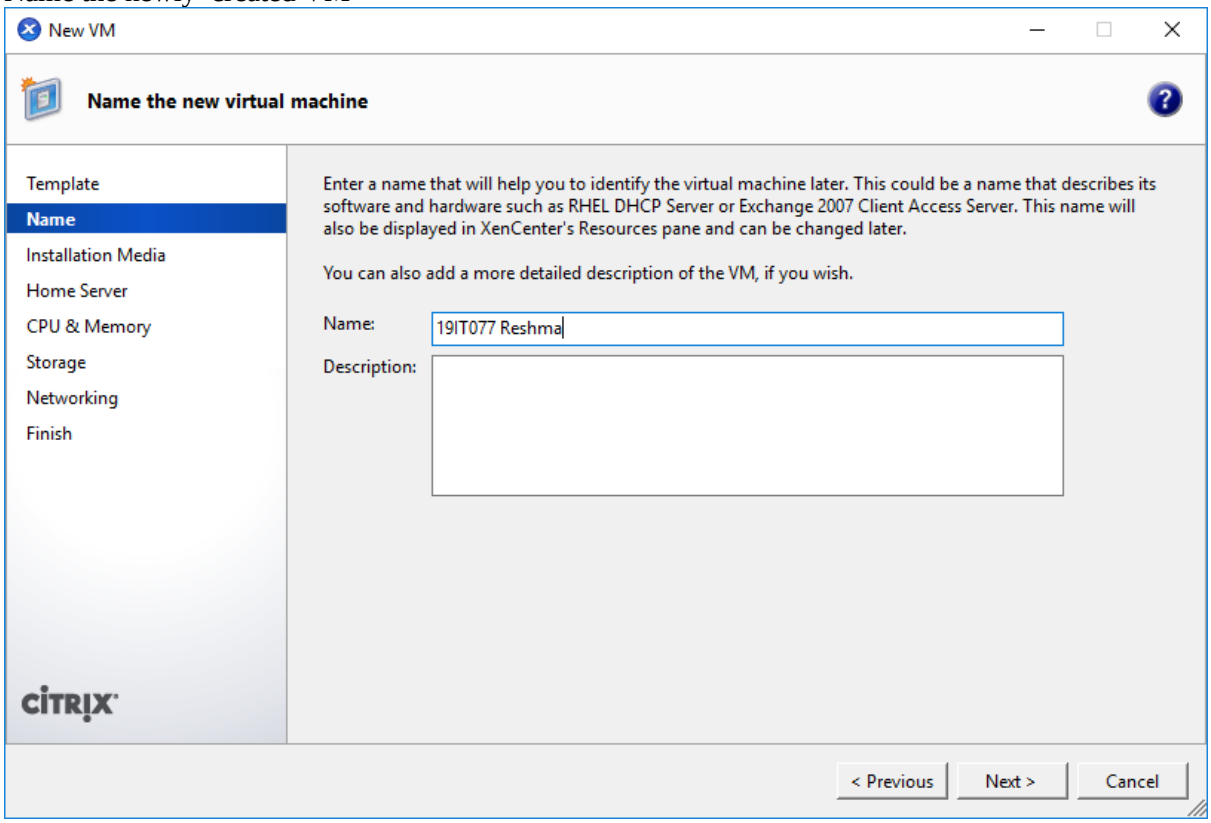
Create a new server VM



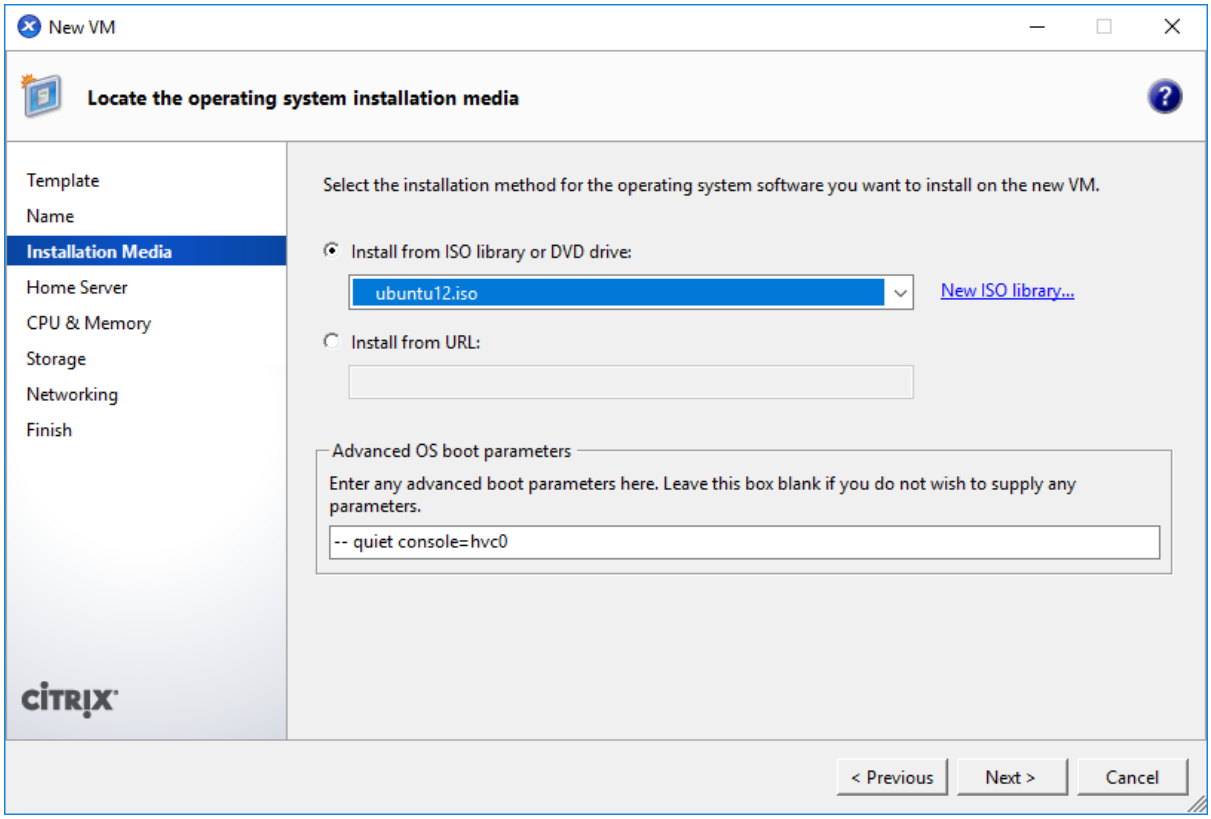
Select Precise pangolin 12.04 64bit as VM template.

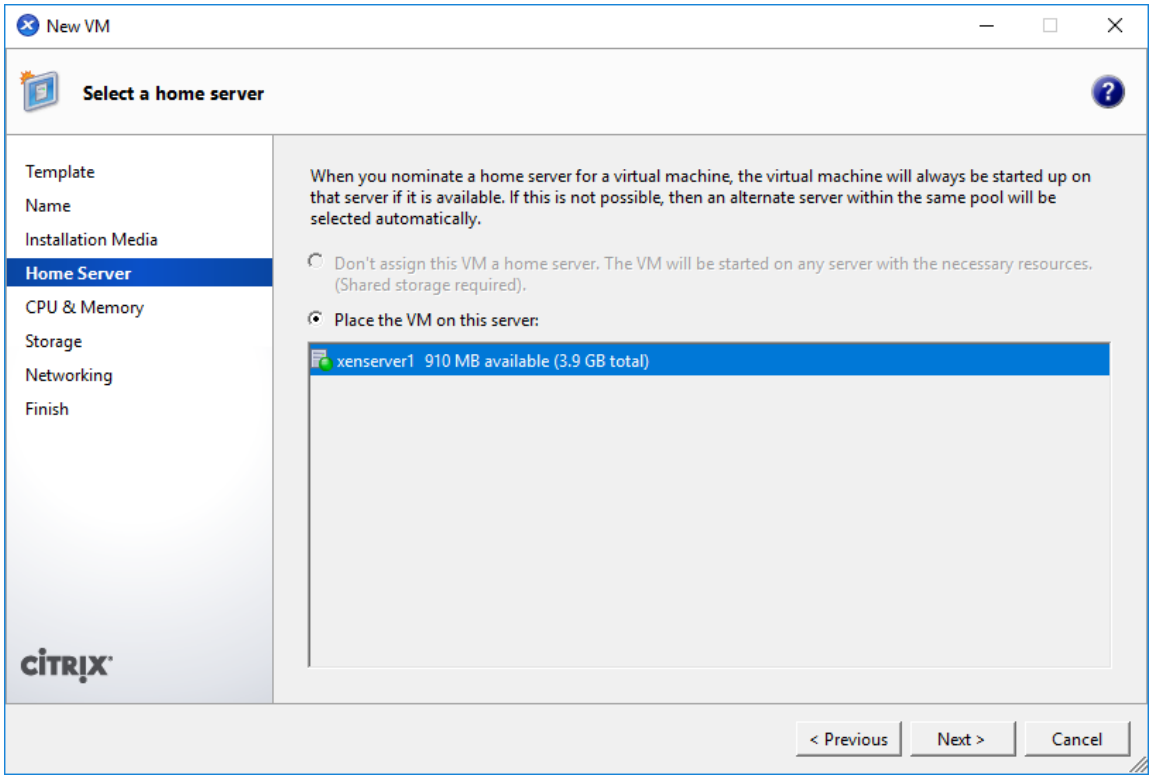


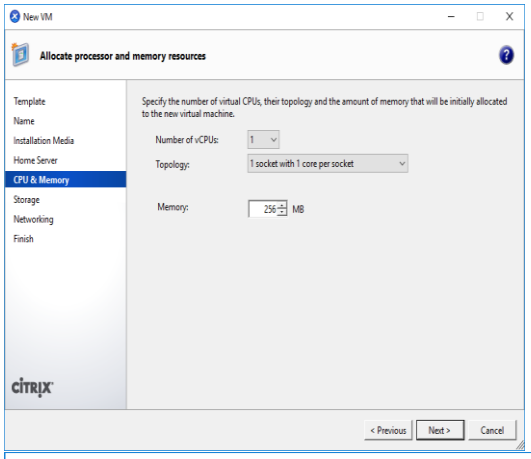
Name the newly created VM

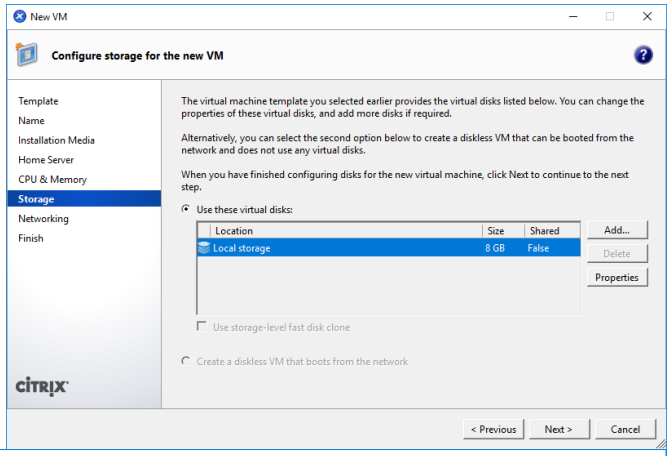


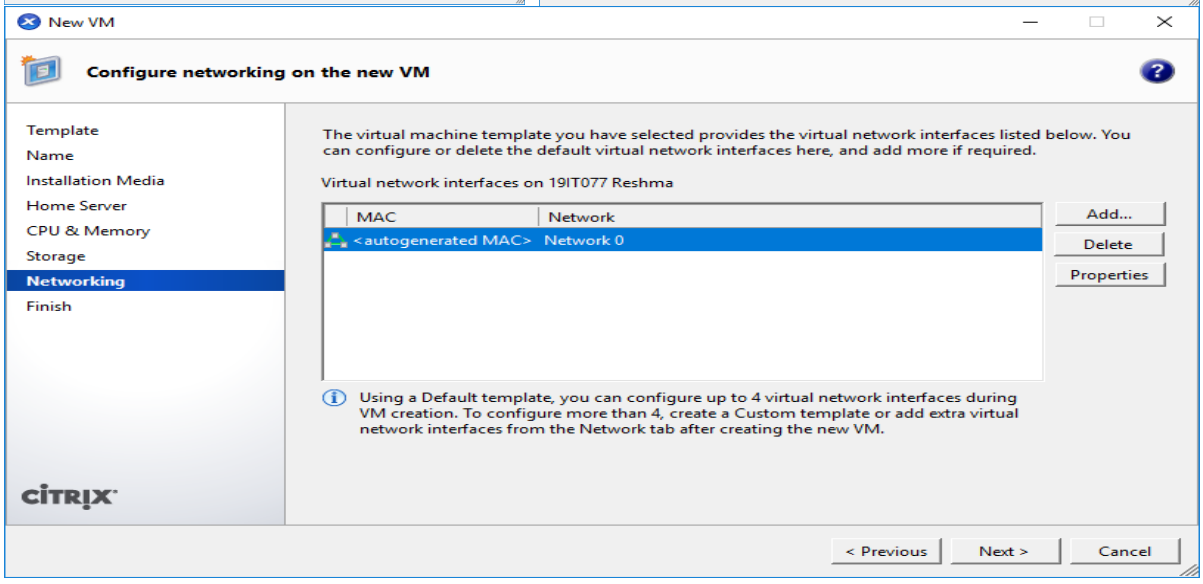
Click install from ISO library or DVD drive and select ubuntu12.iso from dropdown list.
Click next.

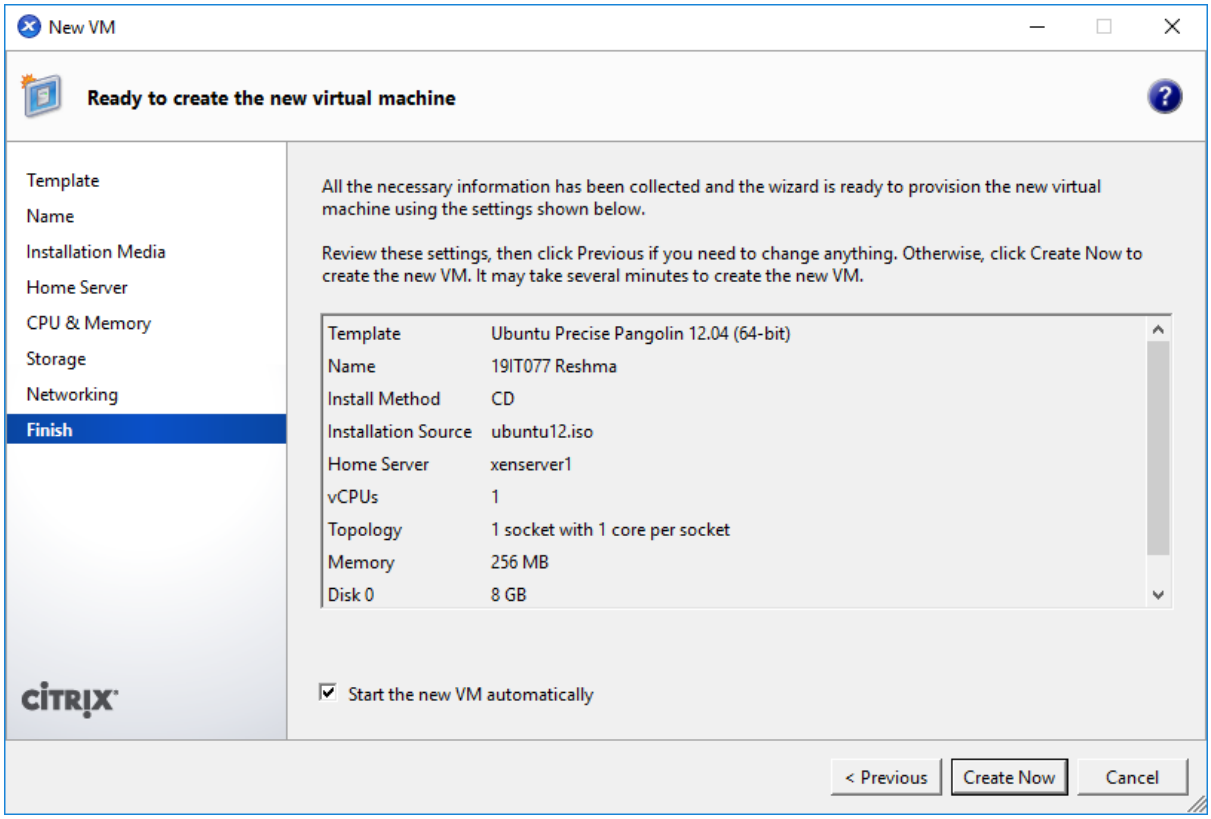



New VM
Select a home server
Template
Name
Installation Media
Home Server
CPU & Memory
Storage
Networking
Finish
When you nominate a home server for a virtual machine, the virtual machine will always be started up on that server if it is available. If this is not possible, then an alternate server within the same pool will be selected automatically.
Don't assign this VM a home server. The VM will be started on any server with the necessary resources. (Shared storage required).
Place the VM on this server:
xenserver1 910 MB available (3.9 GB total)
CITRIX
< Previous
Next >
Cancel

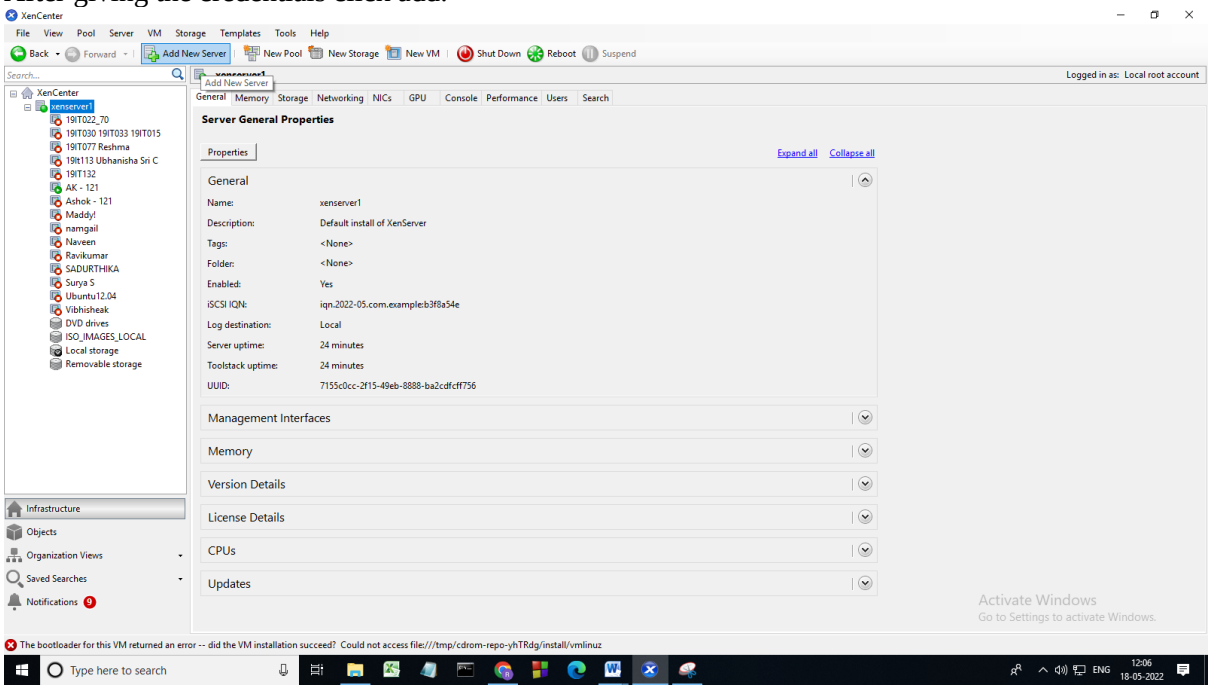

New VM
Allocate processor and memory resources
Template
Name
Installation Media
Home Server
CPU & Memory
Storage
Networking
Finish
Specify the number of virtual CPUs, their topology and the amount of memory that will be initially allocated to the new virtual machine.
Number of vCPUs:
Topology:
1 socket with 1 core per socket
Memory:
MB
CITRIX
< Previous
Next >
Cancel

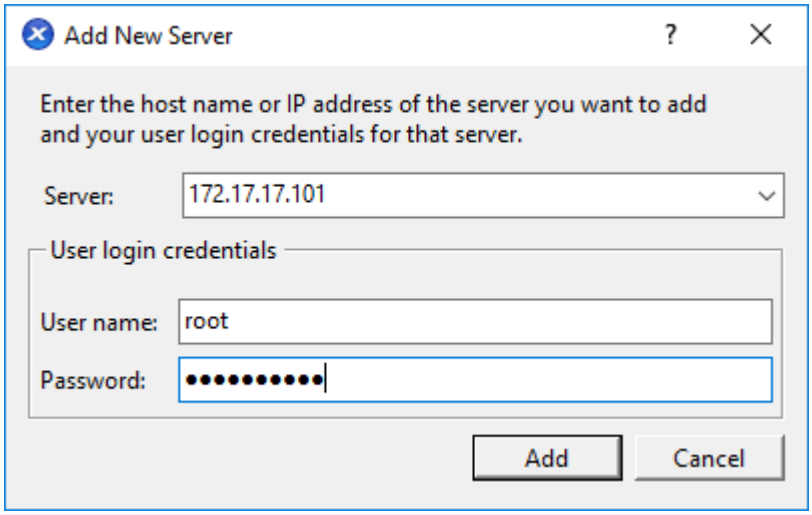

New VM
Configure storage for the new VM
Template
Name
Installation Media
Home Server
CPU & Memory
Storage
Networking
Finish
The virtual machine template you selected earlier provides the virtual disks listed below. You can change the properties of these virtual disks, and add more disks if required.
Alternatively, you can select the second option below to create a diskless VM that can be booted from the network and does not use any virtual disks.
When you have finished configuring disks for the new virtual machine, click Next to continue to the next step.
Use these virtual disks:
Location
Size
Shared
Local storage
8 GB
False
Add...
Delete
Properties
Use storage-level fast disk clone
Create a diskless VM that boots from the network
CITRIX
< Previous
Next >
Cancel


New VM
Configure networking on the new VM
Template
Name
Installation Media
Home Server
CPU & Memory
Storage
Networking
Finish
The virtual machine template you have selected provides the virtual network interfaces listed below. You can configure or delete the default virtual network interfaces here, and add more if required.
Virtual network interfaces on 19IT077 Reshma
MAC
Network
<autogenerated MAC>
Network 0
Add...
Delete
Properties
Using a Default template, you can configure up to 4 virtual network interfaces during VM creation. To configure more than 4, create a Custom template or add extra virtual network interfaces from the Network tab after creating the new VM.
CITRIX
< Previous
Next >
Cancel

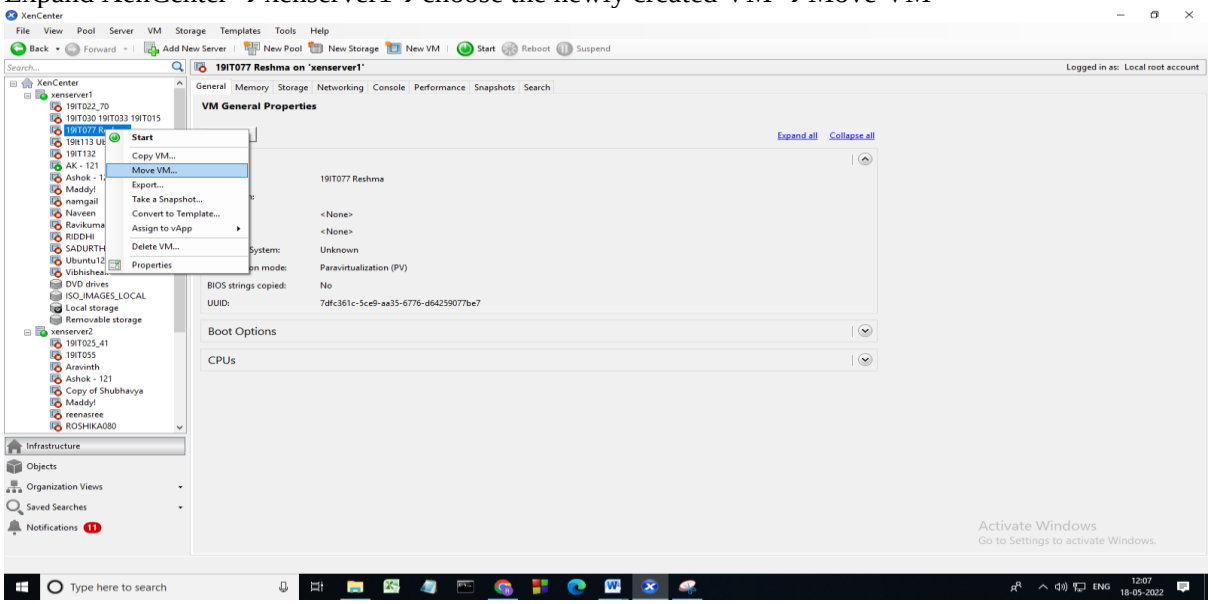


After creating the new virtual machine open the xen center and give add new user.
Server : 172.17.17.101
Username : root
Password : tceit@1234
After giving the credentials click add.

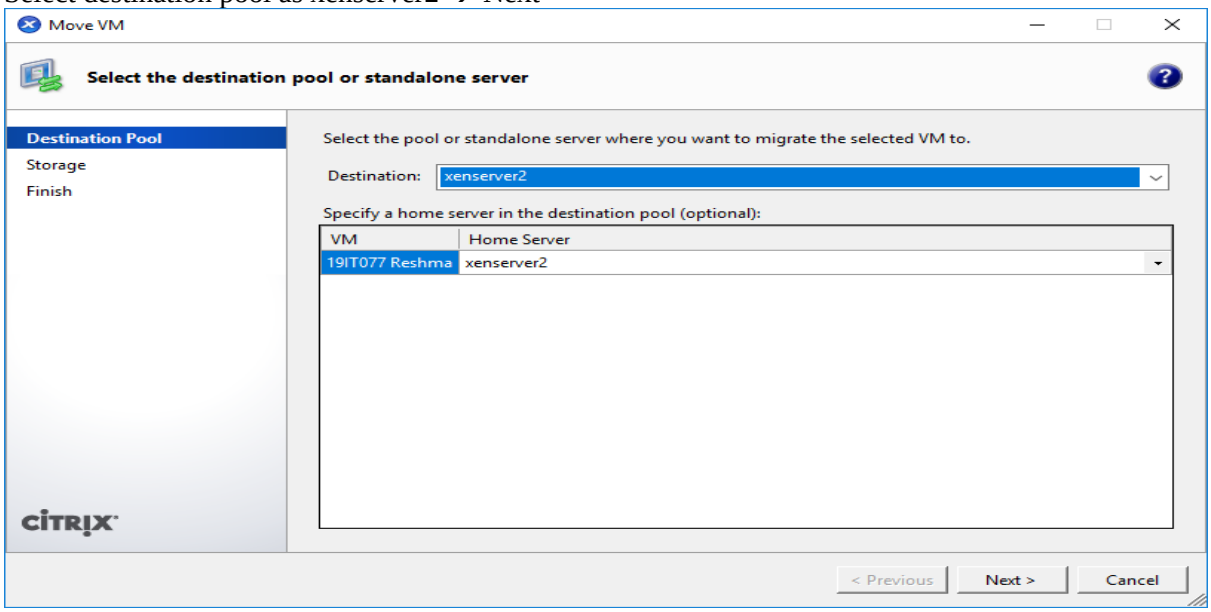




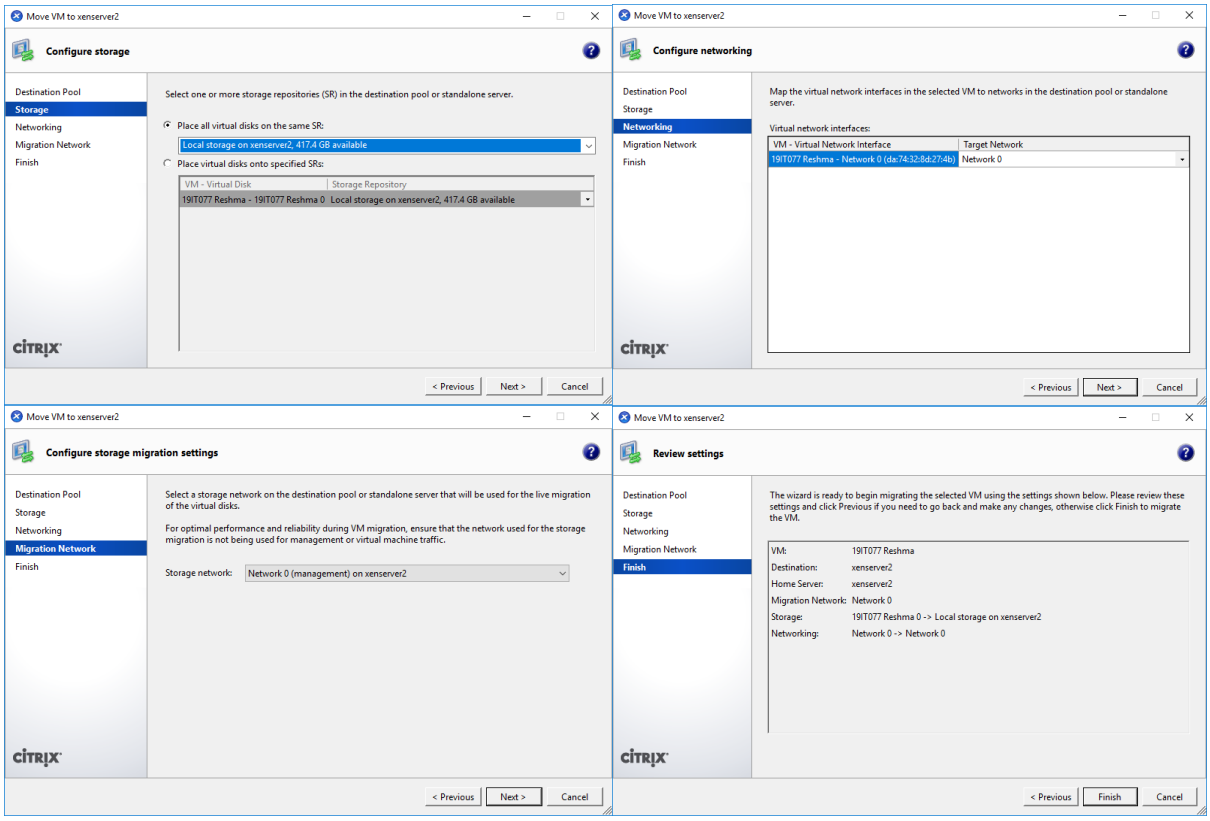
Expand XenCenter →xenserver1→choose the newly created VM →Move VM



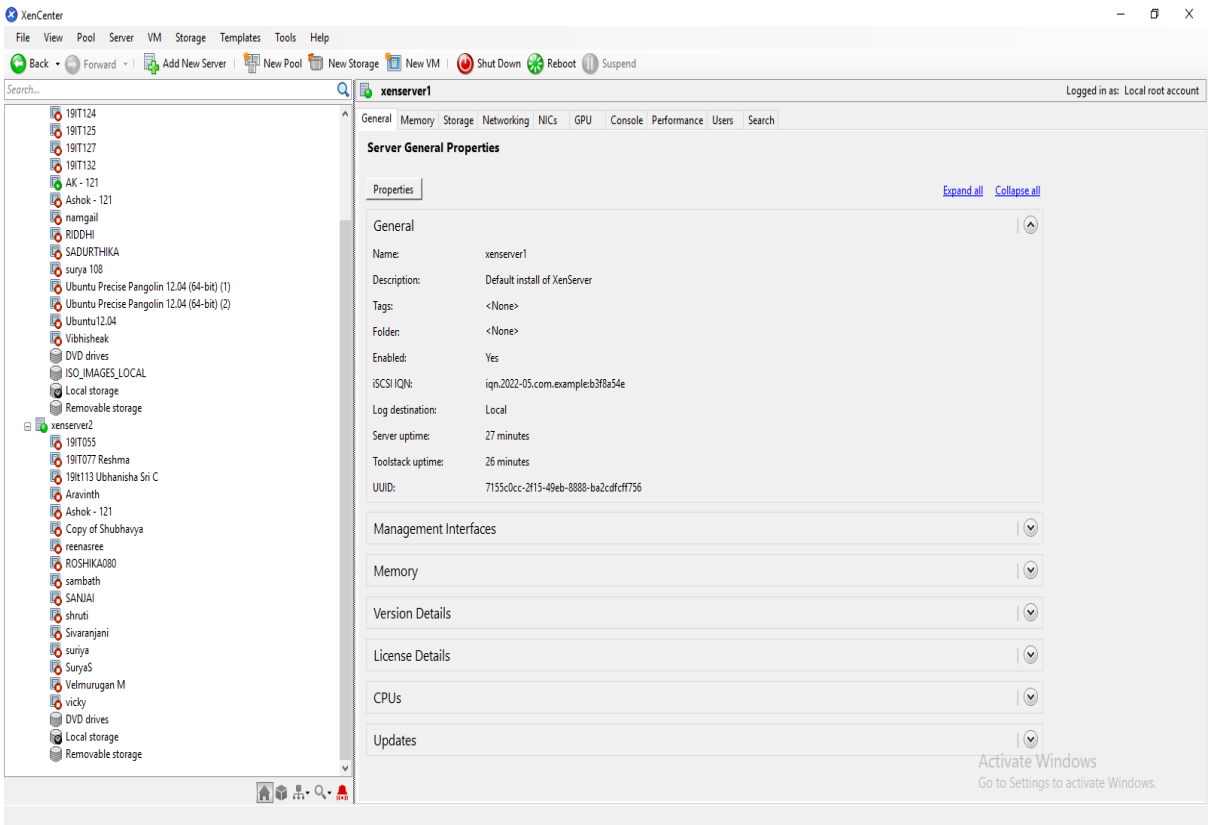
Select destination pool as xenserver2 → Next

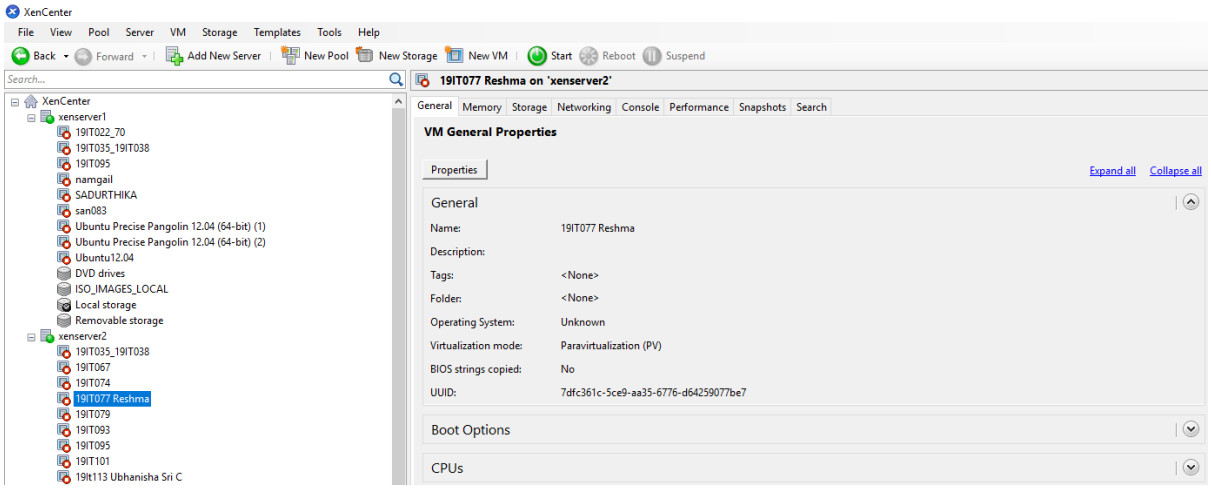


Click place all virtual disks on the same SR
Select local storage xenserver2 from dropdown list.
Click next

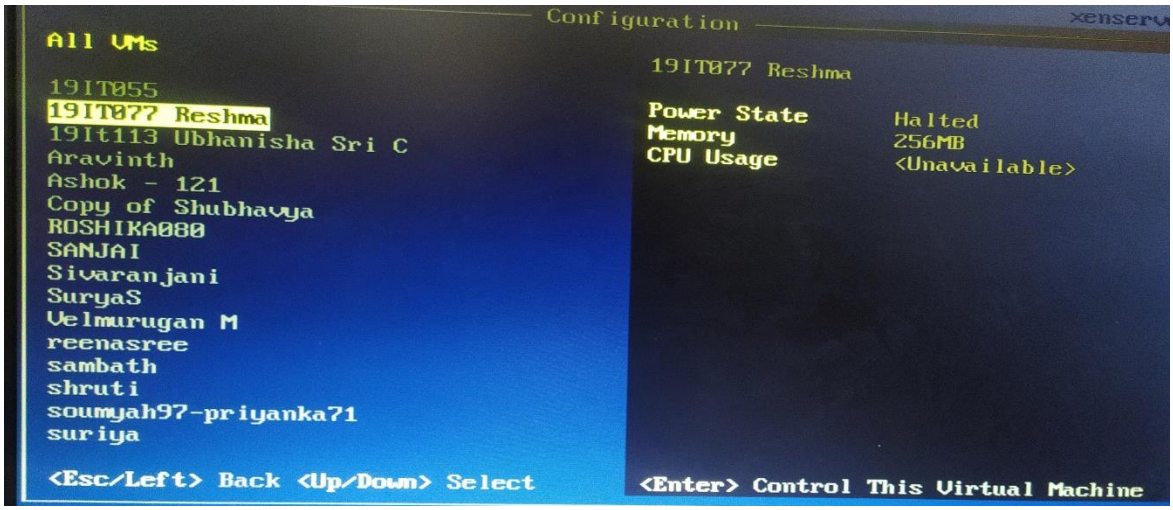


Now VM has been moved to xenserver2 from xenserver1.





Output:
The moved VM is now seen in xenserver2.



Result:

Thus, the Live Migration of VMs with XEN Server and XEN Center was implemented Successfully.