

Ex No: 4	<b>Live Migration of VMs with Xen Server and Xen Centre</b>
Date:	

## Aim

To implement live migration of VMs with Xen Server and Xen Centre

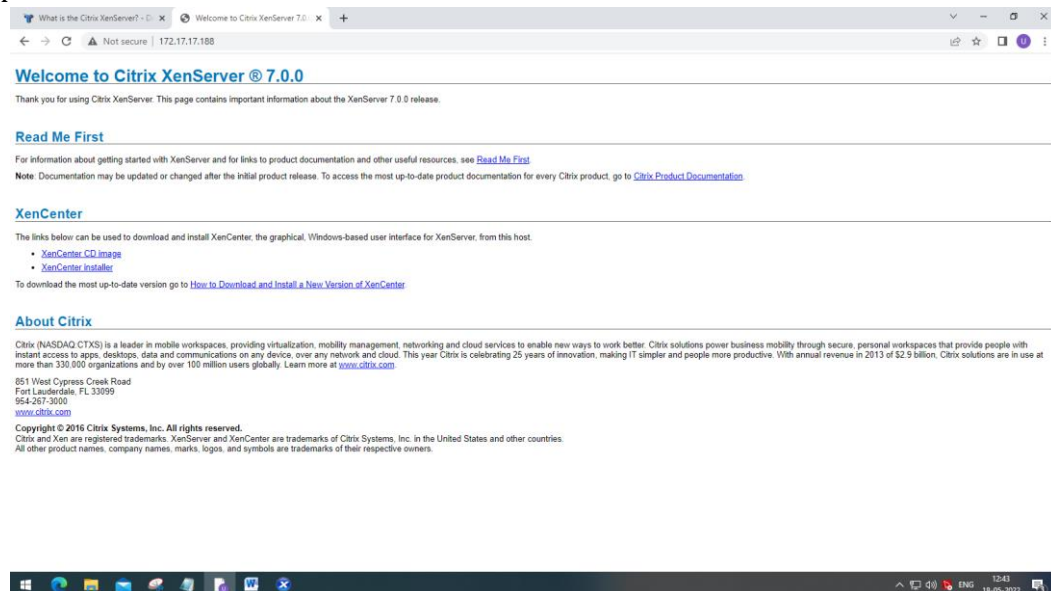
## Xen Server

Citrix XenServer is a hypervisor platform that enables the creation and management of virtualized server infrastructure. It is developed by Citrix Systems and is built over the Xen virtual machine hypervisor. XenServer provides server virtualization and monitoring services. It is available in a 64-bit hypervisor platform and can be executed on the entire x86 series of processors.

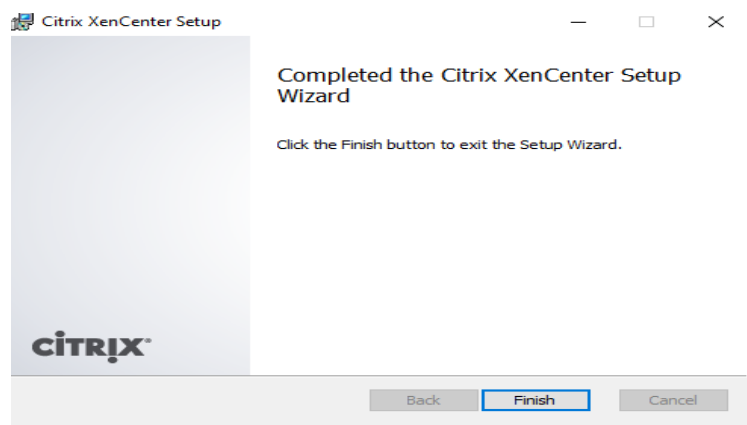
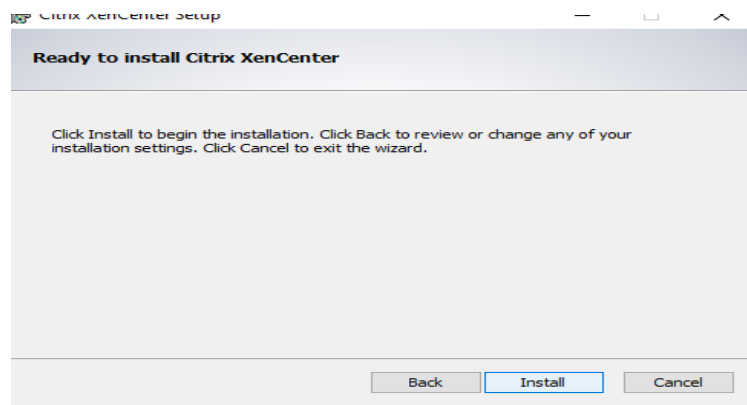
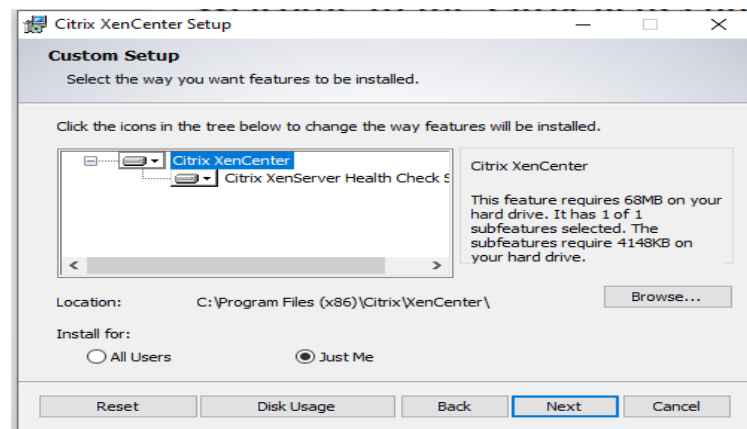
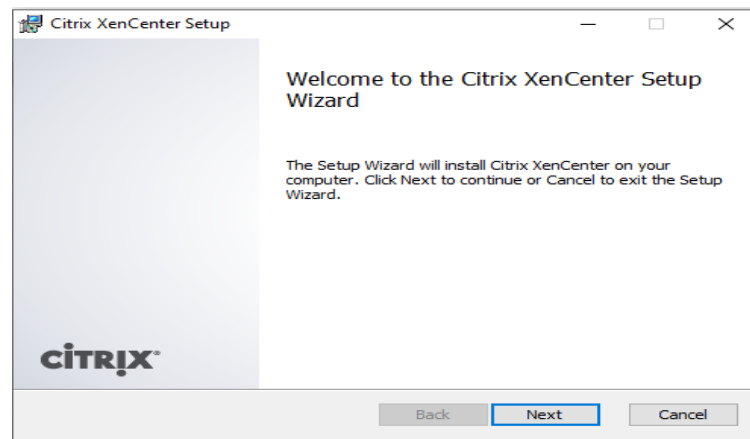
Citrix XenServer is among the virtualization solutions provided by Citrix Systems, which consolidates a physical server's computing power into multiple virtual machines, all emulating as a standard server. Citrix XenServer is built to provide the operational requirements of a standard server and supports most server operating systems, such as Linux and Windows Server, on guest server machines.

## Procedure

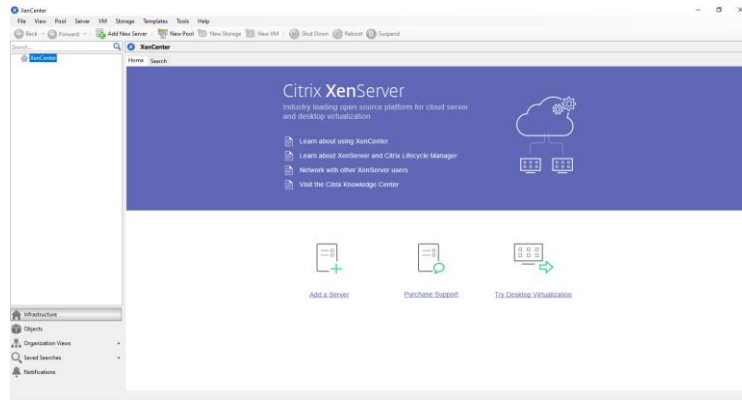
1. Open browser 172.17.17.188



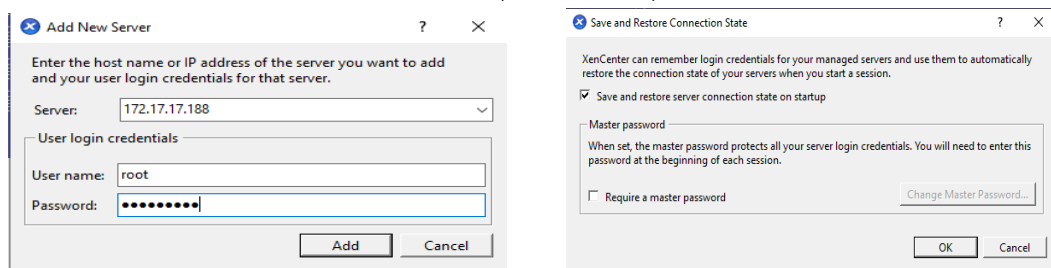
2. Setup Xen Center



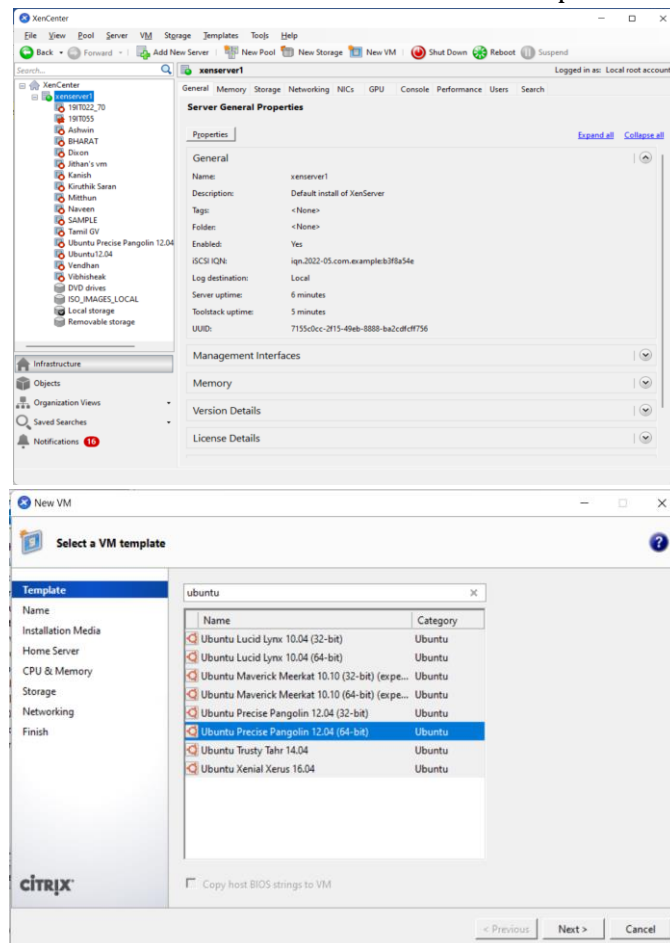
### 3. Open XenCenter



### 4. Add new server. Server : 172.17.17.188, User : root, Pwd : tceit@123



### 5. Right-click XenServer1 and create new VM -> choose Ubuntu precise Pangolin 12.04

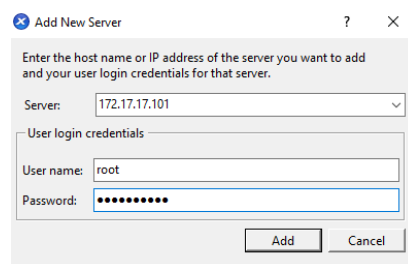
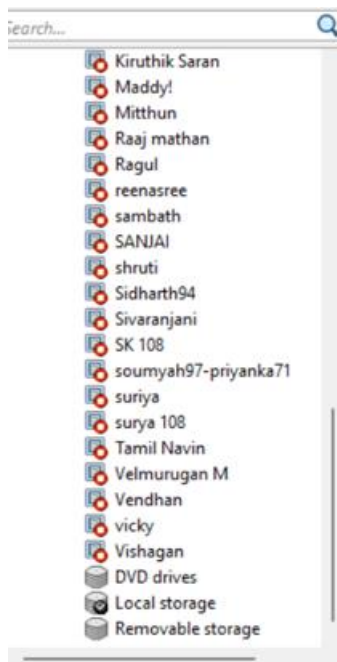


6. Name: vicky , check install from iso library -> choose ubuntu12.iso. Have all other configurations as default and create VM.

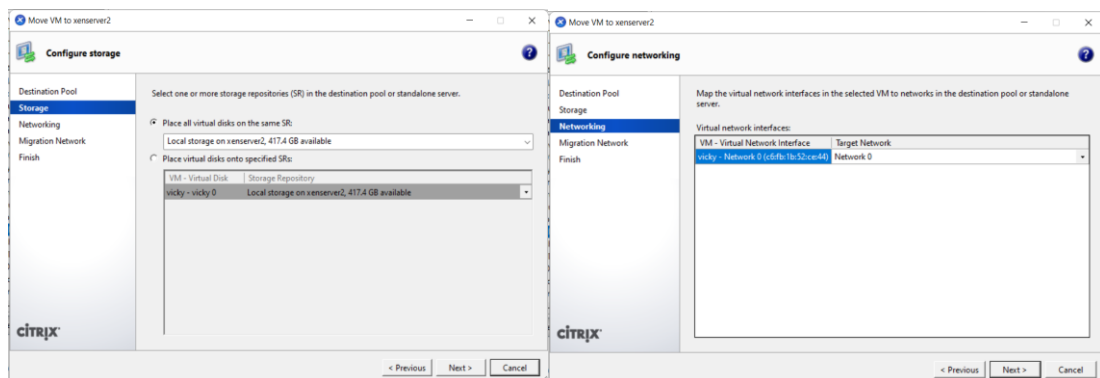
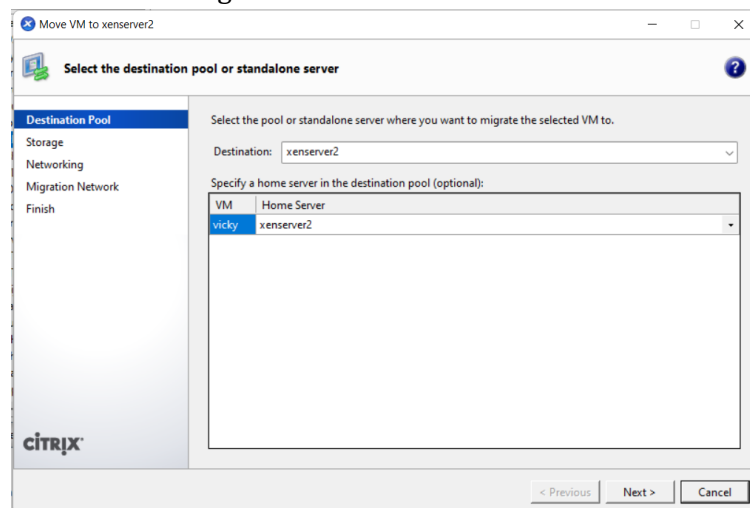
The screenshots illustrate the Citrix Hypervisor 'New VM' wizard configuration for a new virtual machine:

- Name the new virtual machine:** Name is set to 'vicky'.
- Locate the operating system installation media:** Installation media is selected as 'Install from ISO library or DVD drive' with 'ubuntu12.iso' chosen from the library.
- Select a home server:** The VM is placed on the 'xenserver1' home server, which has 910 MB available (3.9 GB total).
- Allocate processor and memory resources:** 1 vCPU is allocated with a topology of '1 socket with 1 core per socket'. Memory is set to 256 MB.
- Configure storage for the new VM:** The VM uses local storage with a size of 8 GB.
- Configure networking on the new VM:** The VM is configured with a network interface 'Network I'.
- Ready to create the new virtual machine:** A summary screen showing all configured settings:
  - Template: Ubuntu Precise Pangolin 12.04 (64-bit)
  - Name: 198113 Ubunishia Sri C
  - Install Method: CD
  - Installation Source: ubuntu12.iso
  - Home Server: xenserver1
  - vCPUs: 1
  - Topology: 1 socket with 1 core per socket
  - Memory: 256 MB
  - Disk 0: 8 GB

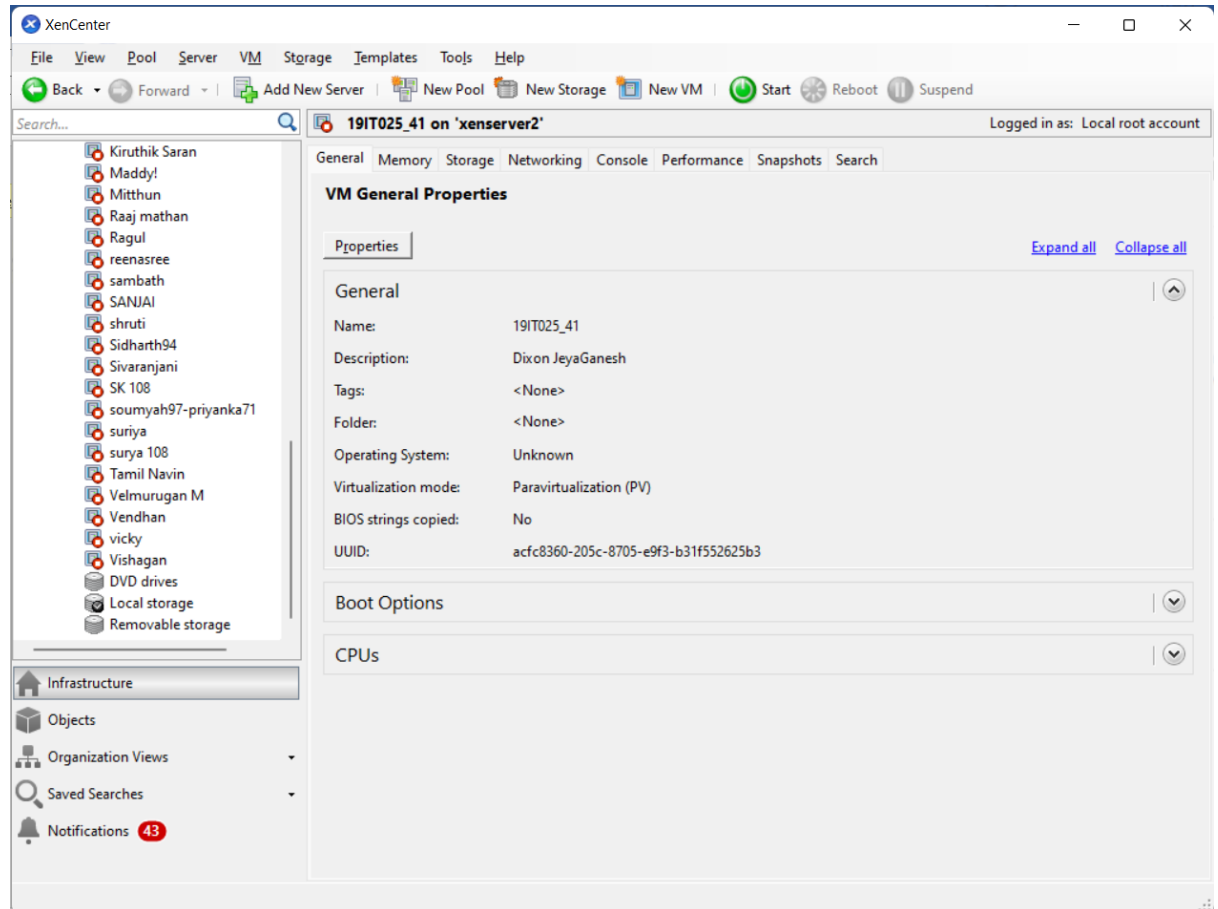
7. Check for your VM in XenServer1 and add new Server

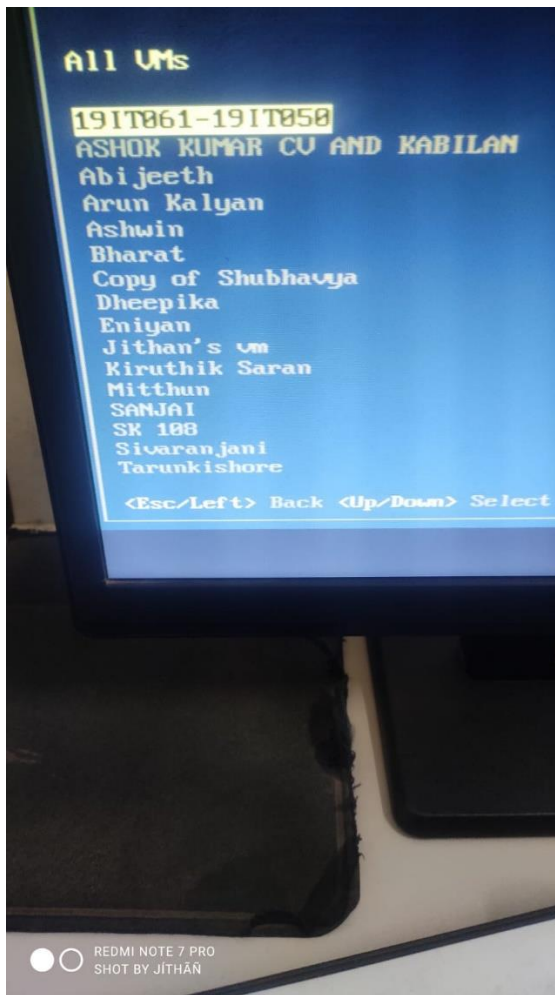


8. Right-click your VM and choose Move VM → Choose destination VM, xenserver2
9. Keep default on all other settings and click Finish



## 10. VM is moved from xenserver1 to xenserver2





## Result

Thus, live migration of VMs is implemented with Xen Server and Xen Centre