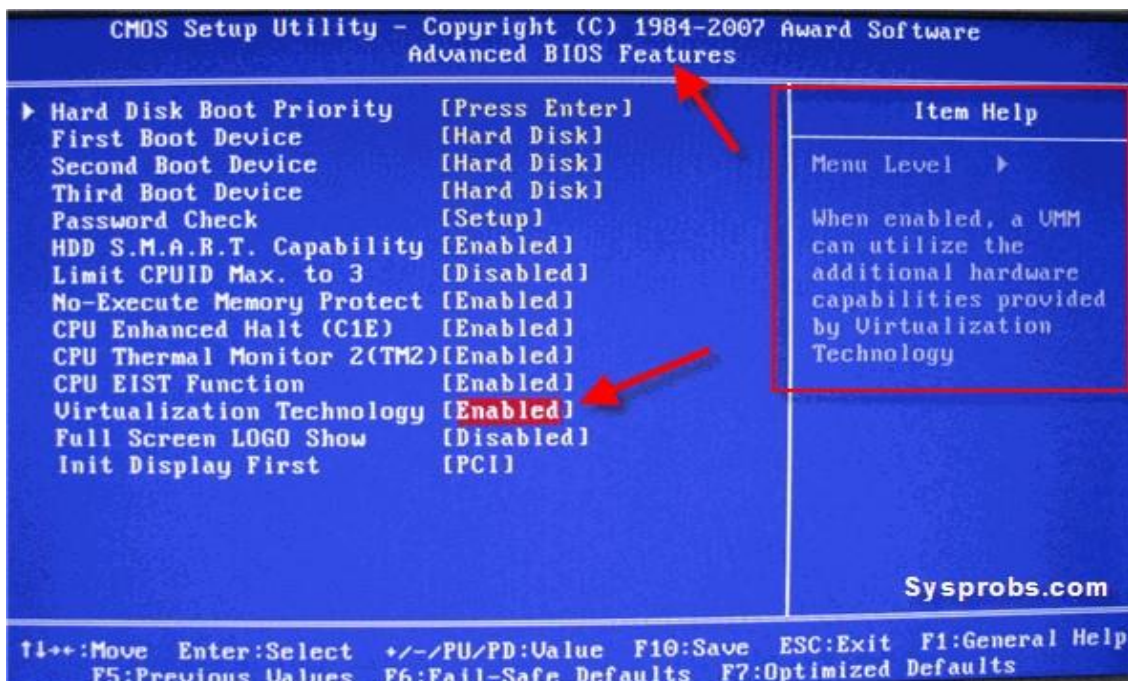# Installing XenServer

Step1: Install XenServer

i) Insert Bootable CD into CDROM or Bootable Pendrive and make first boot device
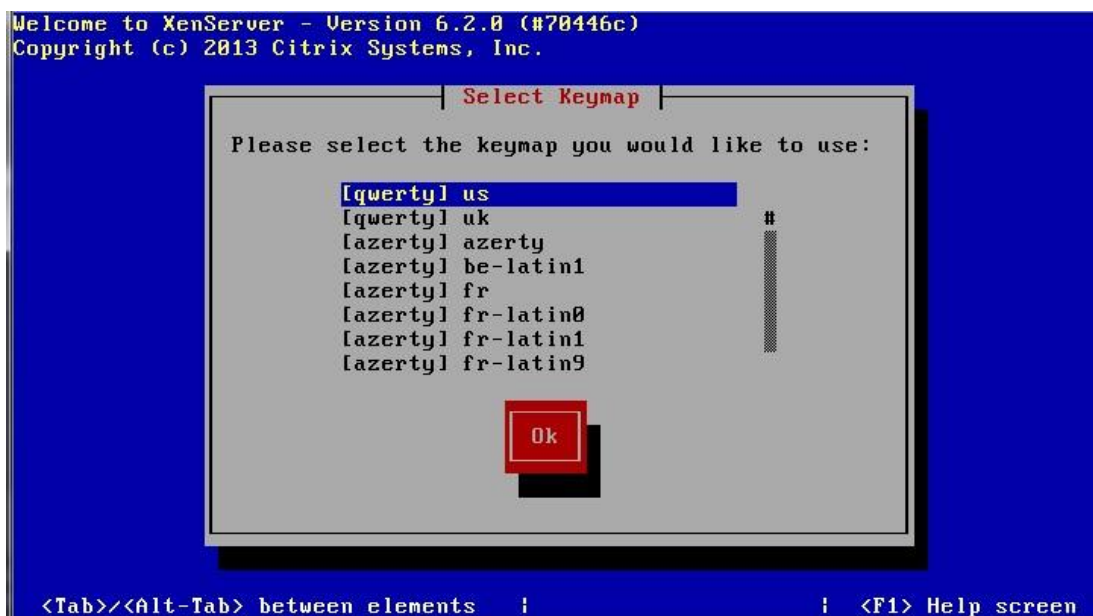   from BIOS.

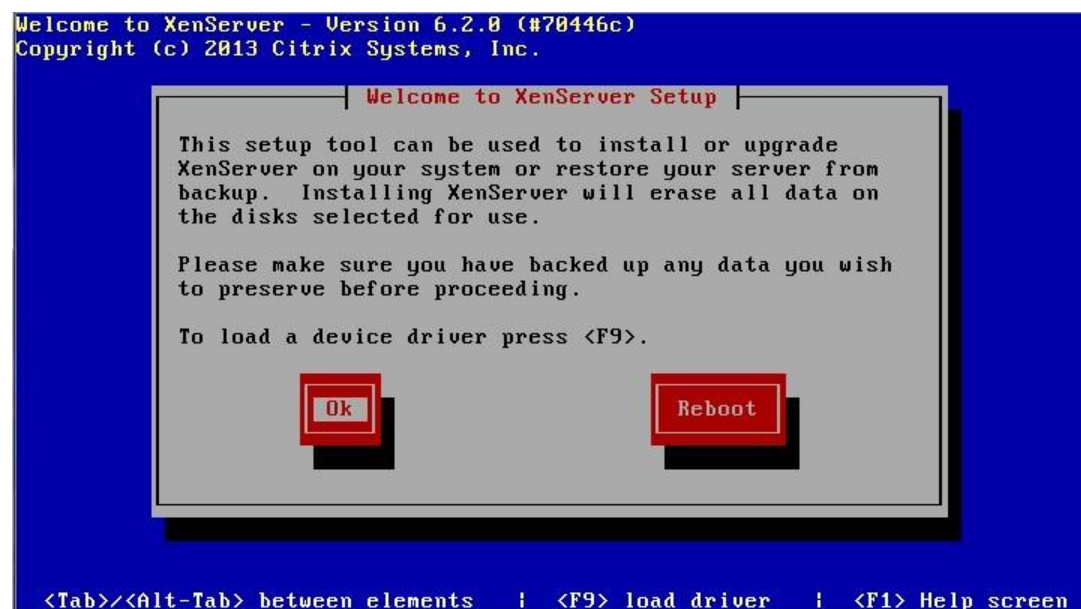Press F2 for advance options and Make Enabled Virtualization Technology from BIOS

Save and Reboot

CITRIX | XenServer™

Welcome to XenServer.

- To install or upgrade press the **<ENTER>** key.

[F1-Standard] [F2-Advanced]
boot: _

iii we begin by choosing the keymap i.e Keyboard Layout

Welcome to XenServer - Version 6.2.0 (#70446c)
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 Select Keymap

Please select the keymap you would like to use:

        [qwerty] us
        [qwerty] uk   #
        [azerty] azerty
        [azerty] be-latin1
        [azerty] fr
        [azerty] fr-latin0
        [azerty] fr-latin1
        [azerty] fr-latin9

                    Ok

<Tab>/<Alt-Tab> between elements | | <F1> Help screen

Iv) Press Enter to load Device Drivers

Welcome to XenServer - Version 6.2.0 (#70446c)
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 Welcome to XenServer Setup

This setup tool can be used to install or upgrade
XenServer on your system or restore your server from
backup. Installing XenServer will erase all data on
the disks selected for use.

Please make sure you have backed up any data you wish
to preserve before proceeding.

To load a device driver press <F9>.

        Ok   Reboot

<Tab>/<Alt-Tab> between elements | <F9> load driver | <F1> Help screen
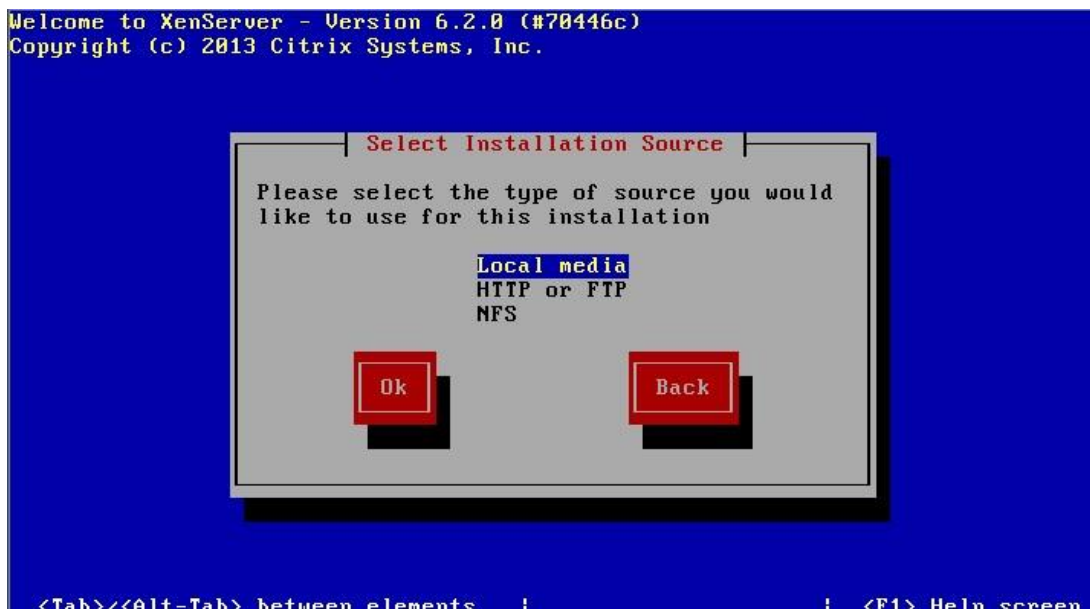
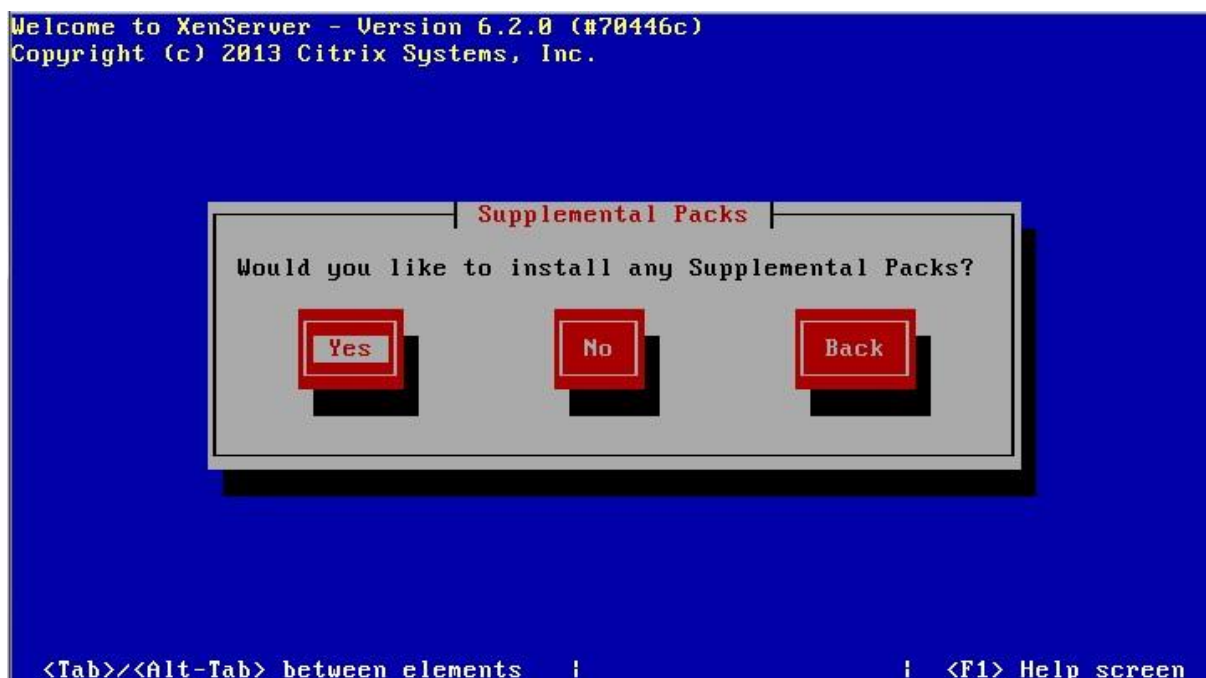V) Press Enter to accept End User License Agreement

Vi) Select Appropriate disk on which you want to install Xenserver

vii) Select appropriate Installation Media

viii) Press yes to Select additional packages for installation , Otherwise Press No

viii) Pick a root password – you will need this for logging in via the console or via the XenServer client on Windows.

```
Welcome to XenServer - Version 6.2.0 (#70446c)
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                        ┤ Set Password ├
         Please specify a password of at least 6
         characters for the root account.

         (This is the password used when connecting
         to the XenServer Host from XenCenter.)

              Password  _____
              Confirm   _____

                 ┌──────┐          ┌──────┐
                 │  Ok  │          │ Back │
                 └──────┘          └──────┘


 <Tab>/<Alt-Tab> between elements   ¦        ¦  <F1> Help screen
```

ix) The motherboard we are installing have two Ethernet ports, both of which are supported by XenServer
Choose the one you wish to use for the management network – you can change this later. Here we get to
choose the networking settings for our management network.


```
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                        ┤ Networking ├
         Please specify how networking should be configured
         for the management interface on this host.

         ( ) Automatic configuration (DHCP)
         (*) Static configuration:
              IP Address:    10.1.1.84_____
              Subnet mask:   255.255.255.0___
              Gateway:       10.1.1.1_____

              ┌──────┐          ┌──────┐
              │  Ok  │          │ Back │
              └──────┘          └──────┘


 <Tab>/<Alt-Tab> between elements   ¦        ¦  <F1> Help screen
```

x) Select Time zone

Xi)Specify NTP Server address and start installation to set your time .

Xii) Press Enter to start installation of XenServer

```
Welcome to XenServer - Version 6.2.0 (#70446c)
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                    ┤ Confirm Installation ├

        We have collected all the information required
        to install XenServer.

        Please confirm you wish to proceed: all data
        on disk sda will be destroyed!

            Install XenServer              Back


    <Tab>/<Alt-Tab> between elements    ┊       ┊  <F1> Help screen
```

The console screen for XenServer

```
XenServer 6.2                    10:19:52                      athena
                            ─ Configuration ─

    Customize System              ASUSTeK Computer INC.
                                  KGP(M)E-D16
    Status Display
    Network and Management Interface    XenServer 6.2.0-70446c
    Authentication
    Virtual Machines              Management Network Parameters
    Disks and Storage Repositories
    Resource Pool Configuration   Device          eth0
    Hardware and BIOS Information  IP address      10.1.1.84
    Keyboard and Timezone         Netmask         255.255.255.0
    Remote Service Configuration  Gateway         10.1.1.1
    Backup, Restore and Update
    Technical Support             Press <Enter> to display the SSL key
    Reboot or Shutdown            fingerprints for this host
    Local Command Shell




    <Enter> OK <Up/Down> Select    <Enter> Fingerprints <F5> Refresh
```

Step 2 : Connect XenCenter to XenServer

i) Download the XenCenter a management utility from XenServer IP address as a URLon browser. Install XenCenter and open it from start Menu of Windows on Machine 2.
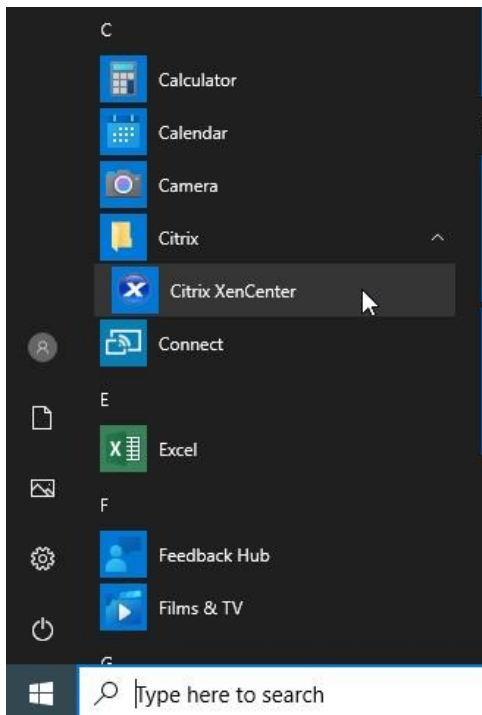
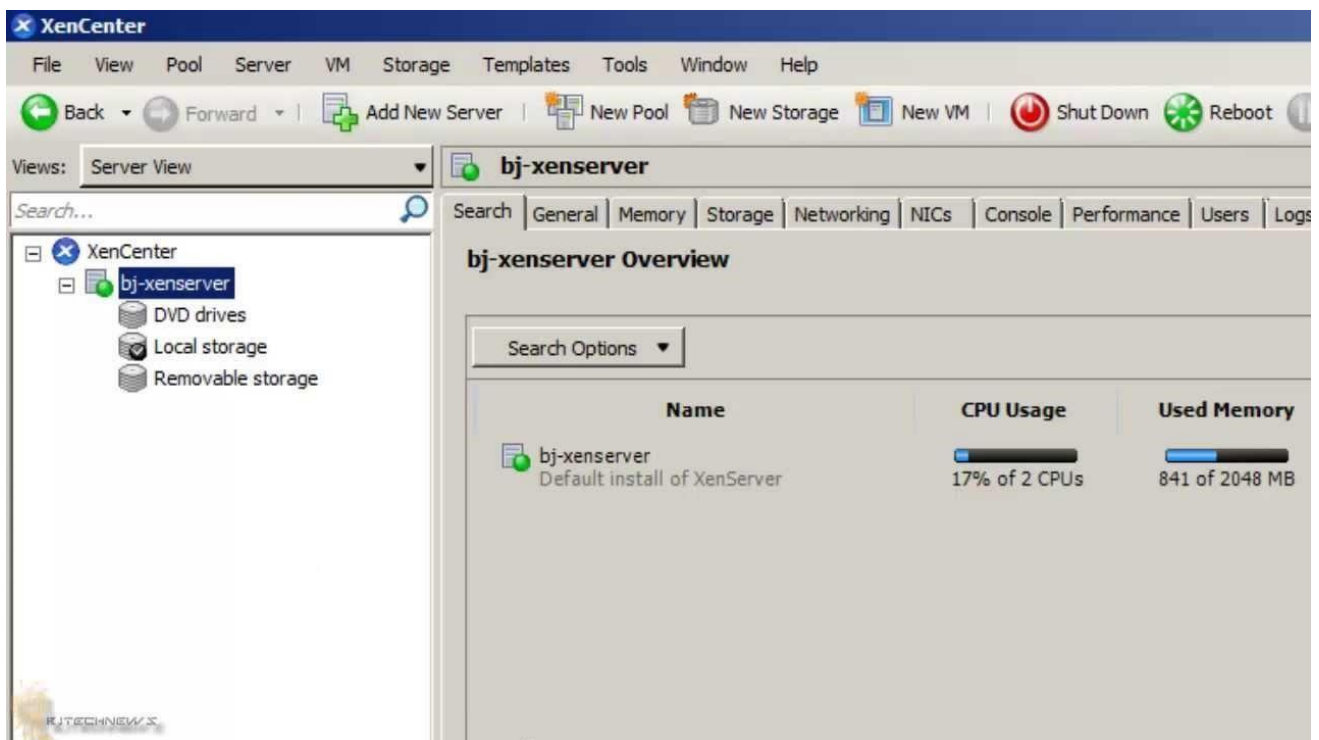ii) Once you click on Citrix XenCenter ..It Looks like as below:

iii) To Connect to the XenServer host which is configured earlier, click **ADD a Server**

iv) Enter IP address of XenServer and Enter User login credentials and click Add

V) Once you clicked on Add , it will ask to configure a master password for all the XenServers.

vi) Xenserver is added now to XenCenter

Step 3: Create Local ISO Storage .

Now before creating Virtual Machine we have to Create storage repository which is nothing but shared directory on XenCenter which holds all iso files and which is required to install Operating system on XenServer .

Using Local command Shell

i) First View Xen Directory Structrure
        # df - h

ii) Now make folder to store ISO images
        # mkdir /var/ISO_images

iii) Using **wget** command download iso files .
 for example:
        #wget http:// releases.ubuntu.com/16.04/ubuntu-16.04.6-desktop-amd64.iso

                    OR

        USING PENDRIVE (need to Mount Pendrive)

        i)   #mkdir /mnt/myusb ii)   #ls – l /dev/sdb1
        to check drive for removable disk. iii)   #mount –t
        vfat –o rw,users /dev/sdb1 /mnt/ myusb iv) #cd /
        mnt/myusb
        v)   # ls (content of pendrive) vi) # cp Ubuntu -
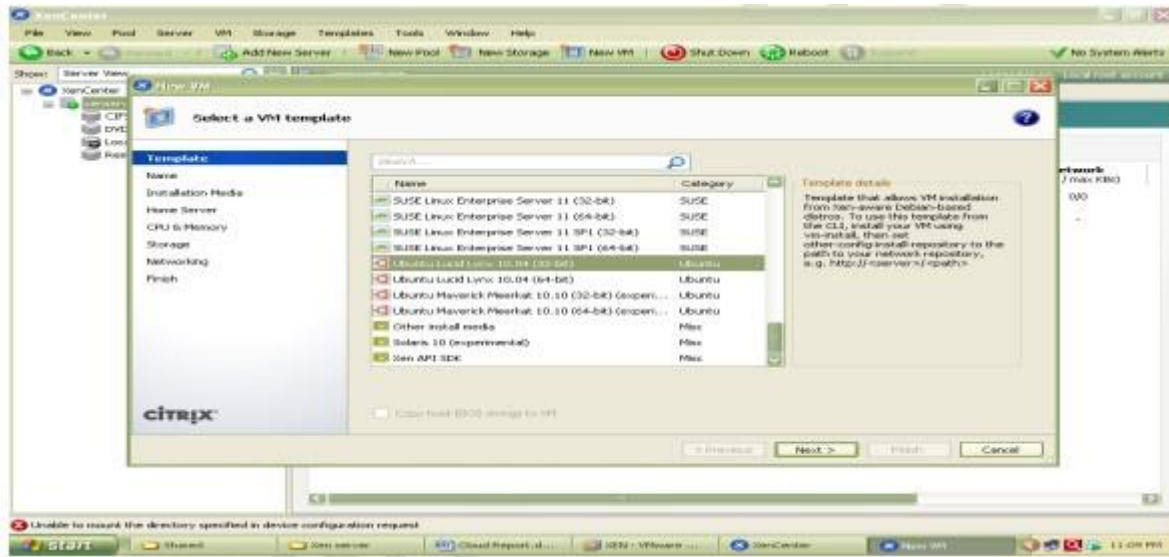   16.04.5-desktop-i386.iso /var/ISO_images
        vii)   Reboot or shutdown Xenserver from Xencenter or from console of Xenserver

Step 4: Installation of Virtual Machine from Xencenter

 I)Right click on Xenserver icon on Xen center and select New VM.
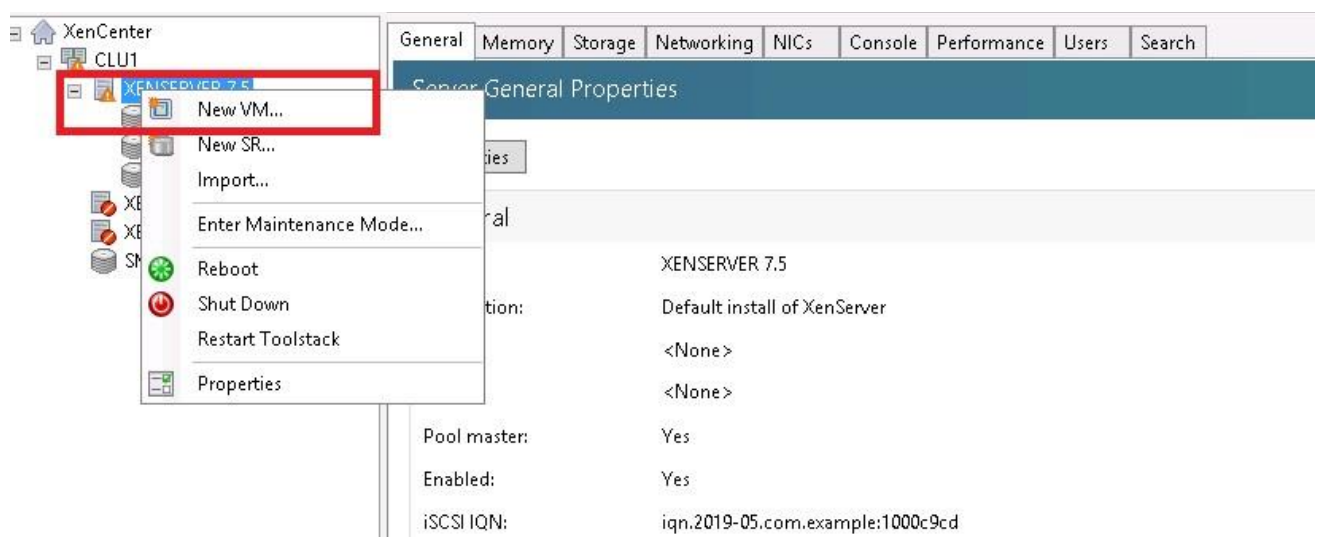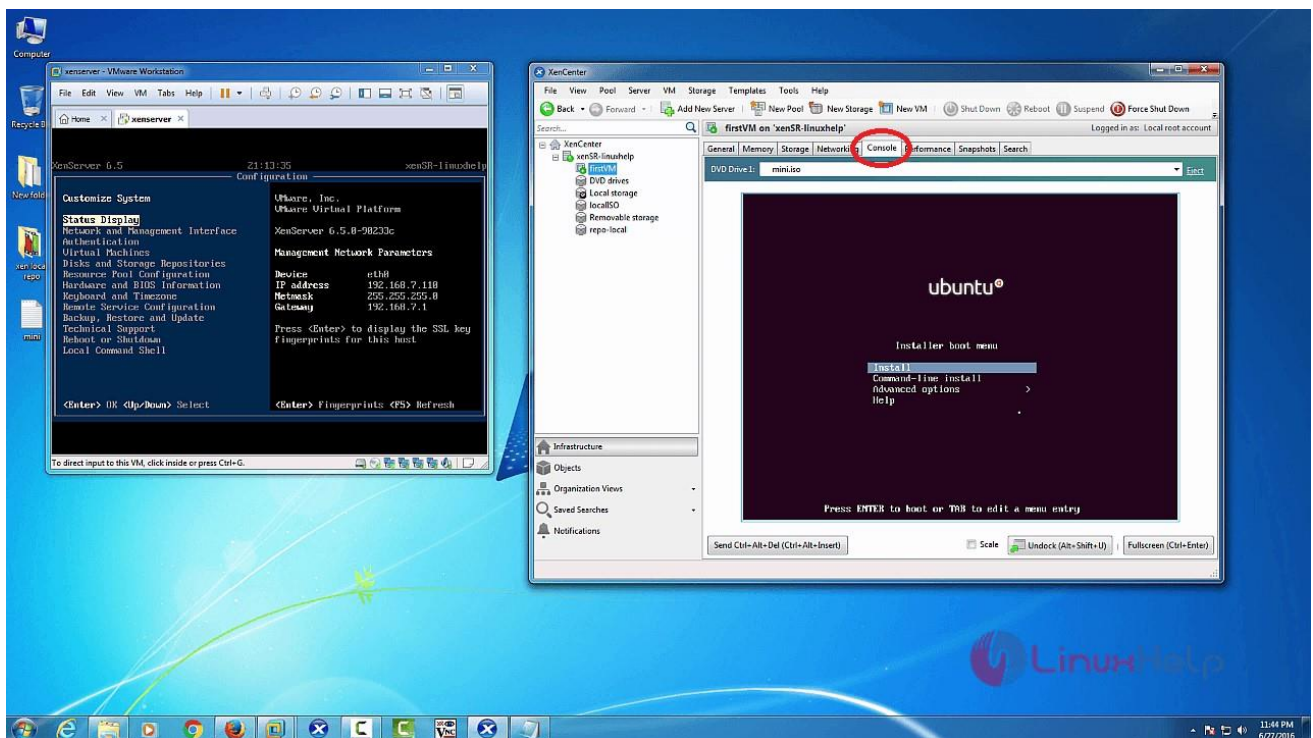
ii) Select VM template

iii)Name the virtual machine

iv) Locate the operating system installation media To select appropriate OS iso file.

v) Allocate CPU and memory to VM

vi) Select networking

v) finish

Thus we have successfully created a virtual machine in xenserver using XenCenter tool.