Blueprints

Setting up Windows XP guest using virt-manager

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Note

Before using this information and the product it supports, read the information in "Notices" on page 31.

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Contents

Part 1. Setting up Windows XP guest using Virtual Machine manager (virt-manager) 1

Part 2. Appendixes. 29

Notices 31
Trademarks 32

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Part 1. Setting up Windows XP guest using Virtual Machine manager (virt-manager)

These steps are intended to help a Linux developer who is unfamiliar with the Windows XP operating system and how to install it on a KVM module.

About this task

These instructions assume that you have already set up a KVM module. If you have not, go to Quick Start Guide for installing and running KVM.

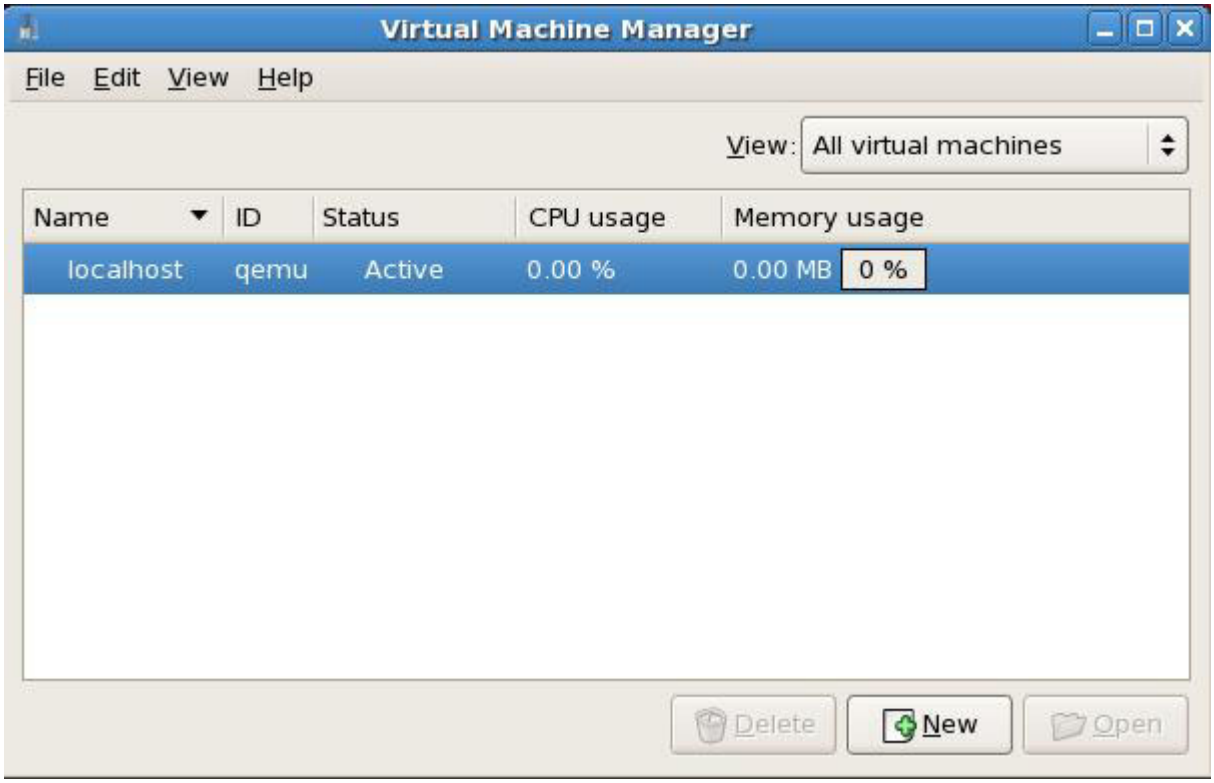
Follow these steps to set up a Windows XP guest in KVM using **virt-manager**.

Procedure

1. Start **virt-manager** by running the following command:

   ```
   # virt-manager
   ```

   The Virtual Machine Manager window opens:



2. Click **New** to start a new guest installation. This opens the Virtual Machine Creation window as shown below:

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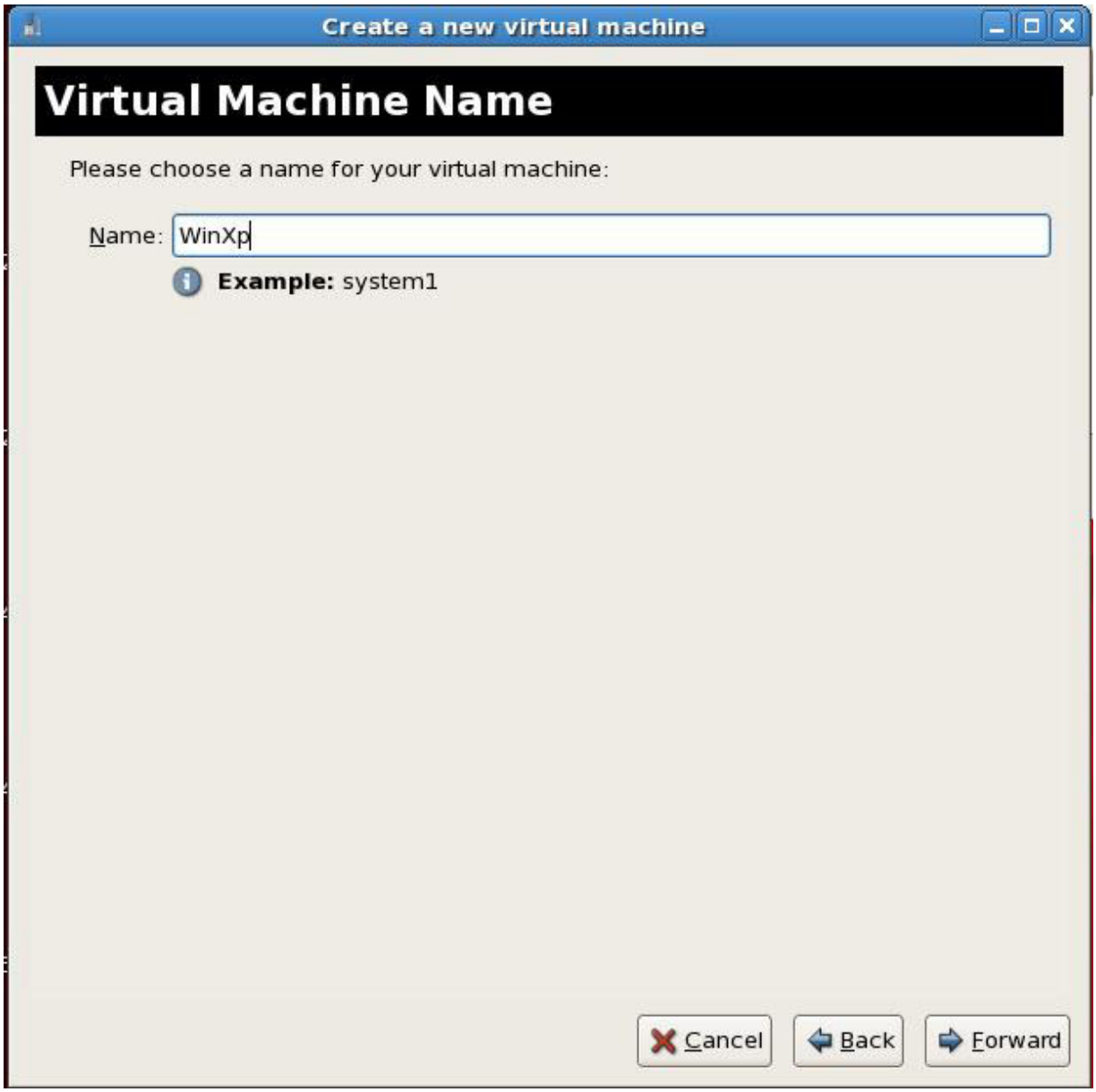
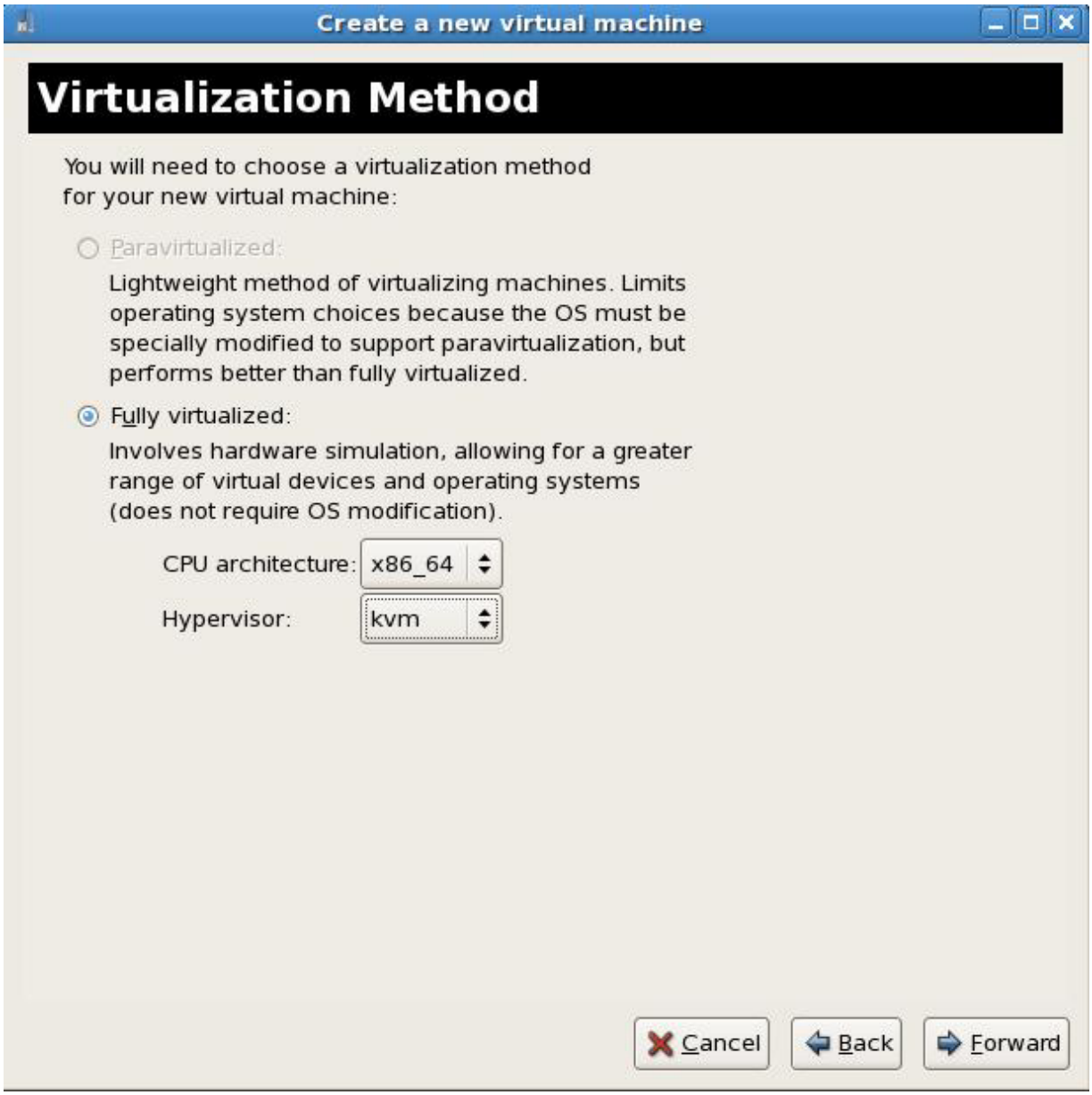
3. Click Forward to start the assistant.
4. On the Virtual Machine Name dialog, enter a name for your virtual machine. In this example, the virtual machine is called **WinXP**. Click **Forward**.

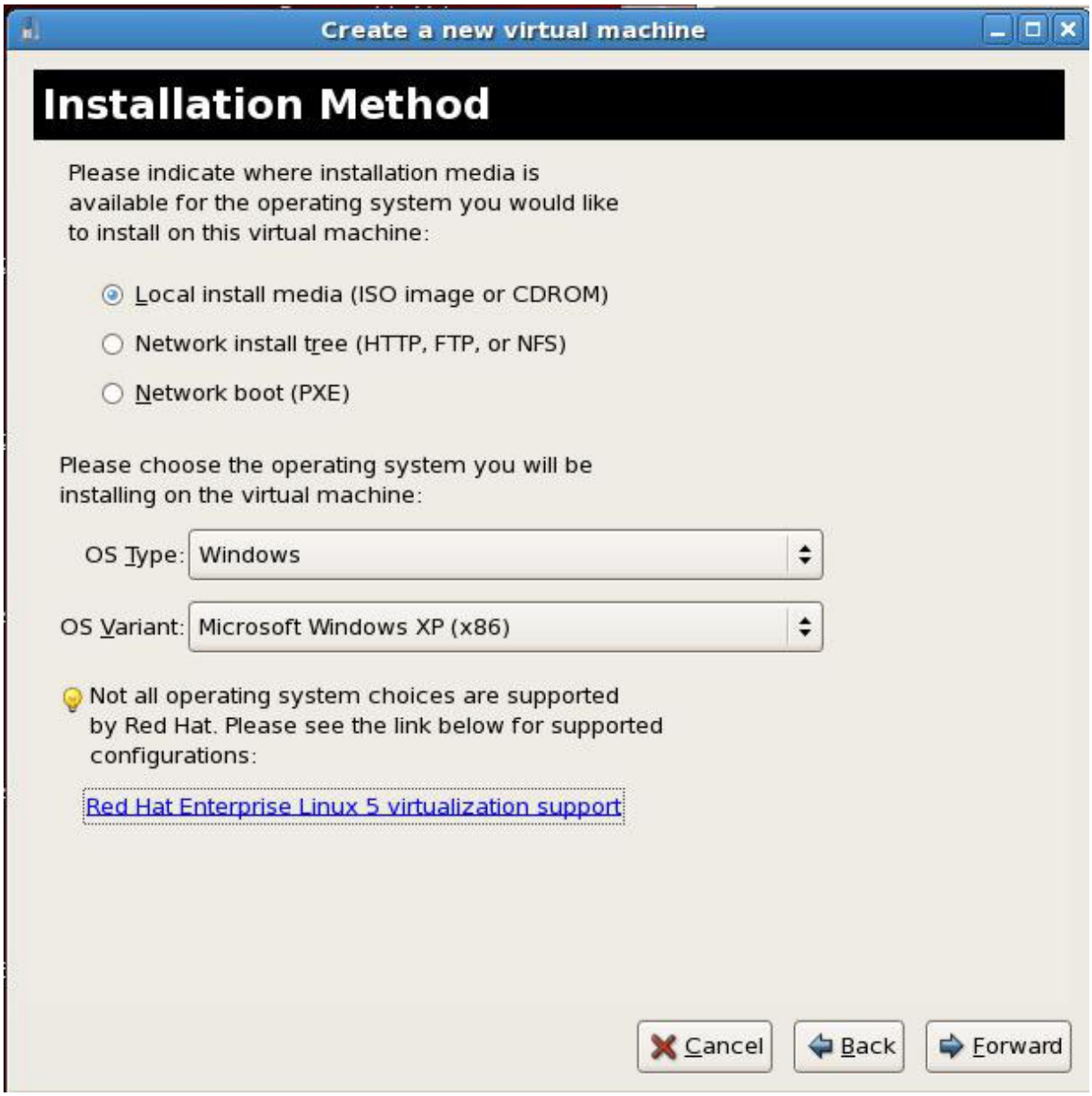


5. On the Virtualization method dialog, select Fully Virtualized. The default CPU architecture is `x86_64` and Hypervisor is `kvm`. Click **Forward**.



6. On the Installation Method dialog, select your installation method. Choose from the following:
   - **Local install media (ISO image or CDROM)** - The ISO can be downloaded from the site http://msdn.microsoft.com/default.aspx
   - **Network install tree (HTTP, FTP, NFS)** - A network repository like HTTP, FTP or NFS is used for starting the installation.
   - **Network boot (PXE)** - Installation is started by using a PXE boot. You also need to select your OS type and OS variant. In this example, the installation method chosen was Local install media, the OS type was Windows, and the OS variant is Microsoft Windows XP (x86).

   Click **Forward**.



7. Click **Browse** to specify the path to the ISO location. Then click **Forward**.

8. Assign storage for the guest. You can assign a Block device or a File (disk image). In this example, File storage was used. The default location of the disk image is /var/lib/libvirt/images/ and the default size allocated is 15000 MB. You can specify any other customized location or a different size allocation. Click **Forward**.

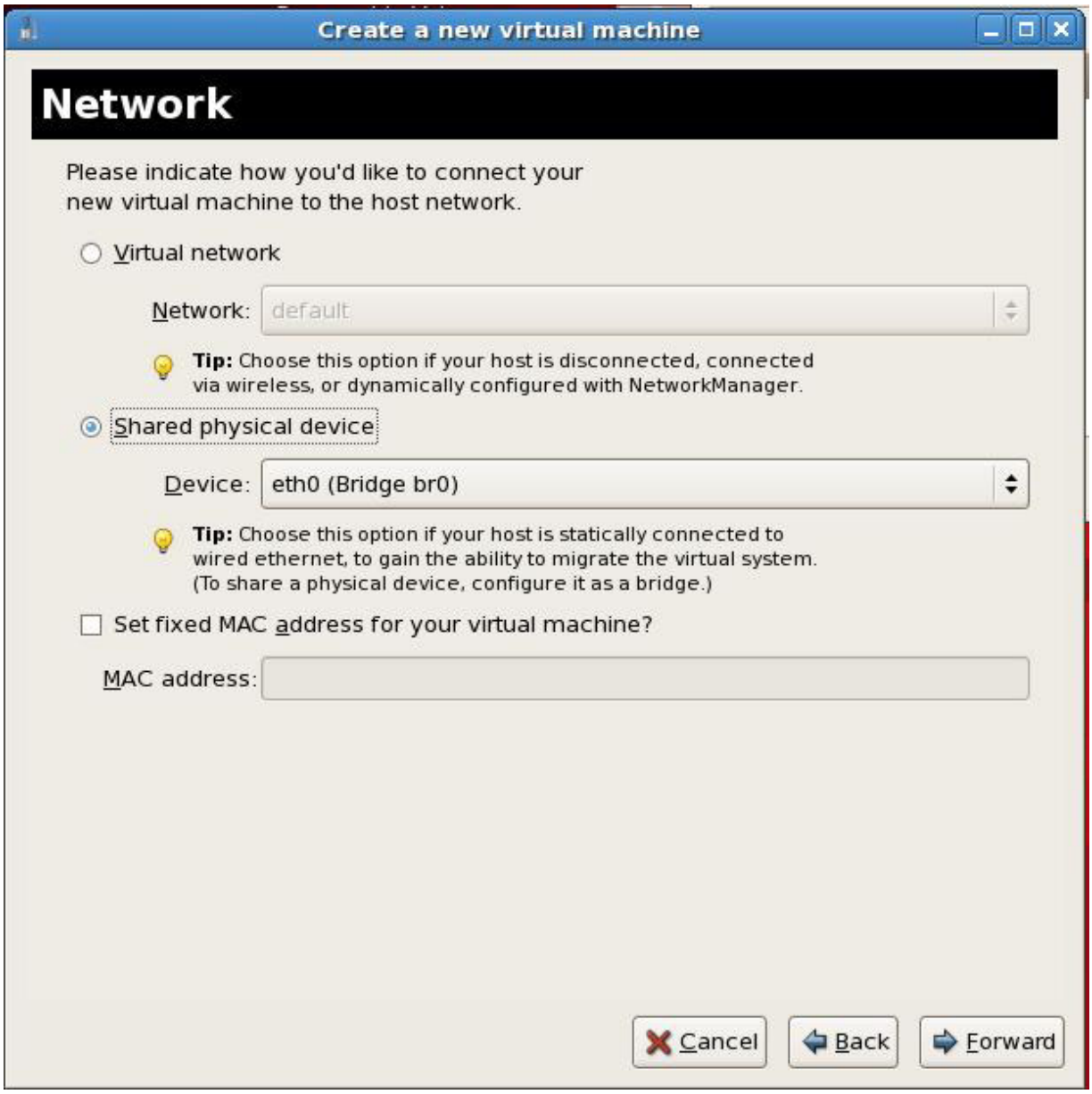
9. On the Network dialog, you can choose Virtual network or Shared physical device.

   The Virtual network option uses Network Address Translation (NAT) to share the default network device with the virtualized guest. Use the virtual network option for wireless networks.

   The Shared physical device option uses a network bond to give the virtualized guest full access to a network device.

   In this example, Shared physical device was used. Specifically, br0 (Bridge to eth0).

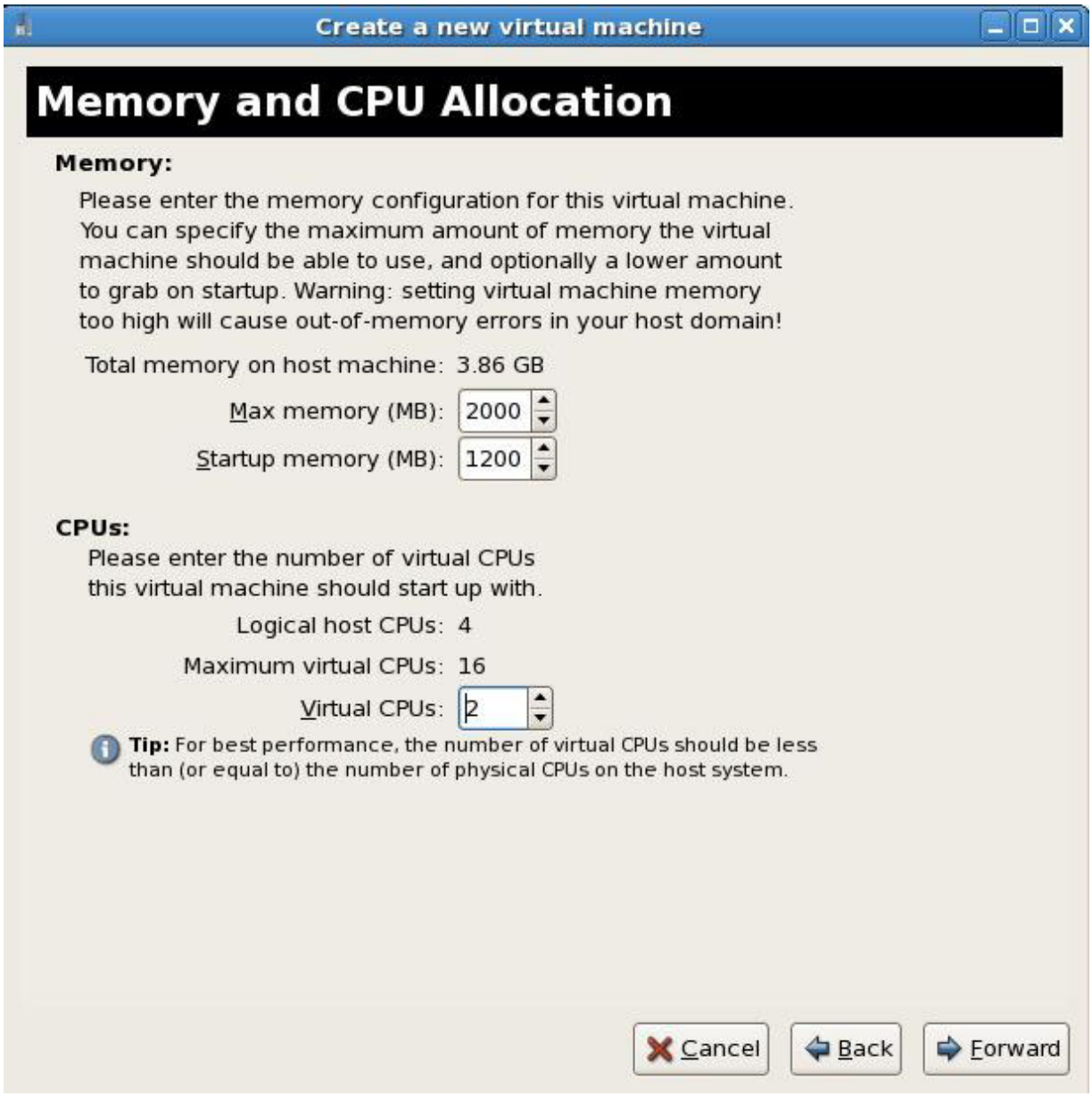
   Click **Forward**.



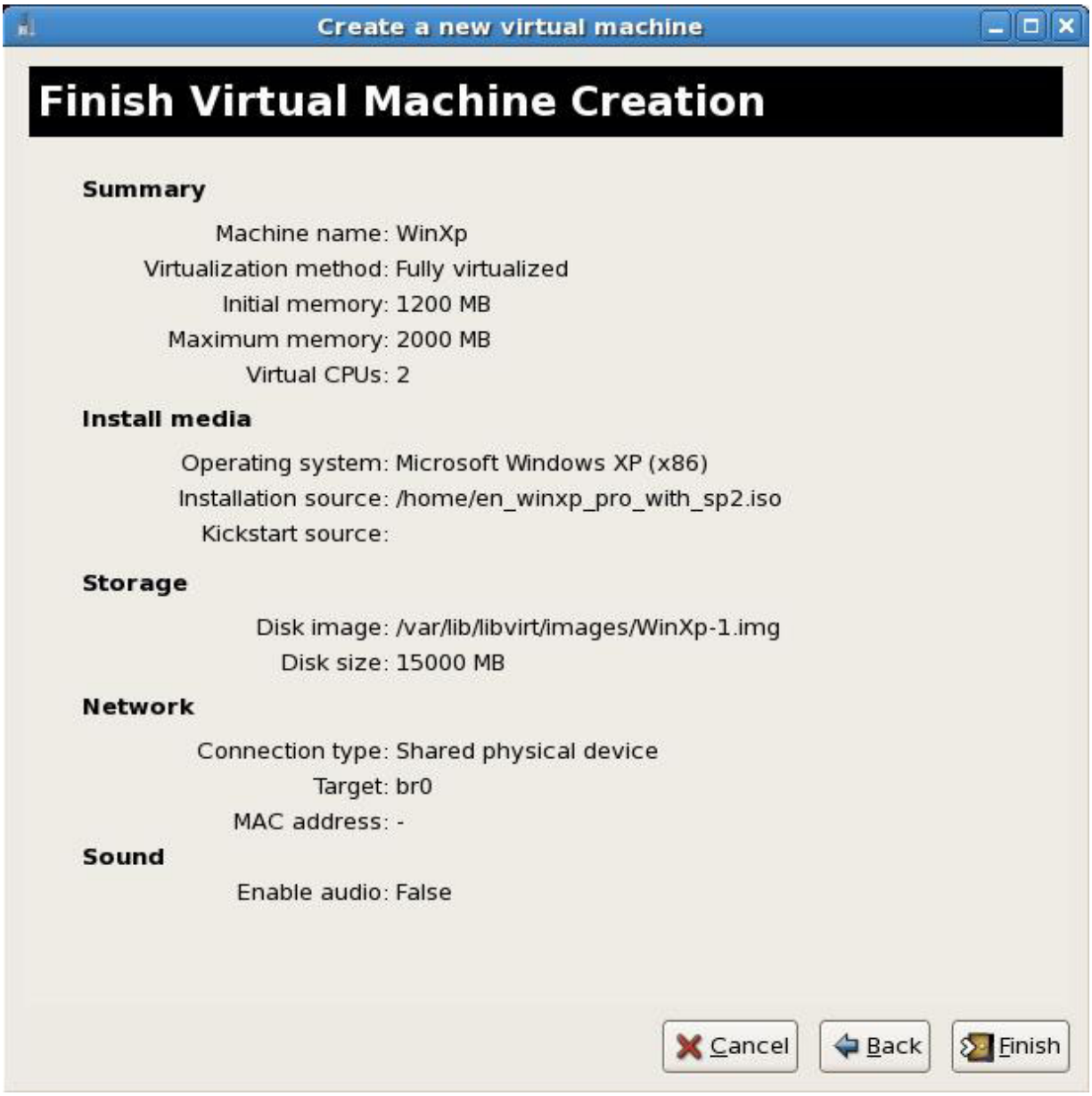
10. Assign Memory and CPUs to the guest.

    The default memory for the guest is 512 MB, and the default CPUs is 1. You can edit the resources as per your requirements.

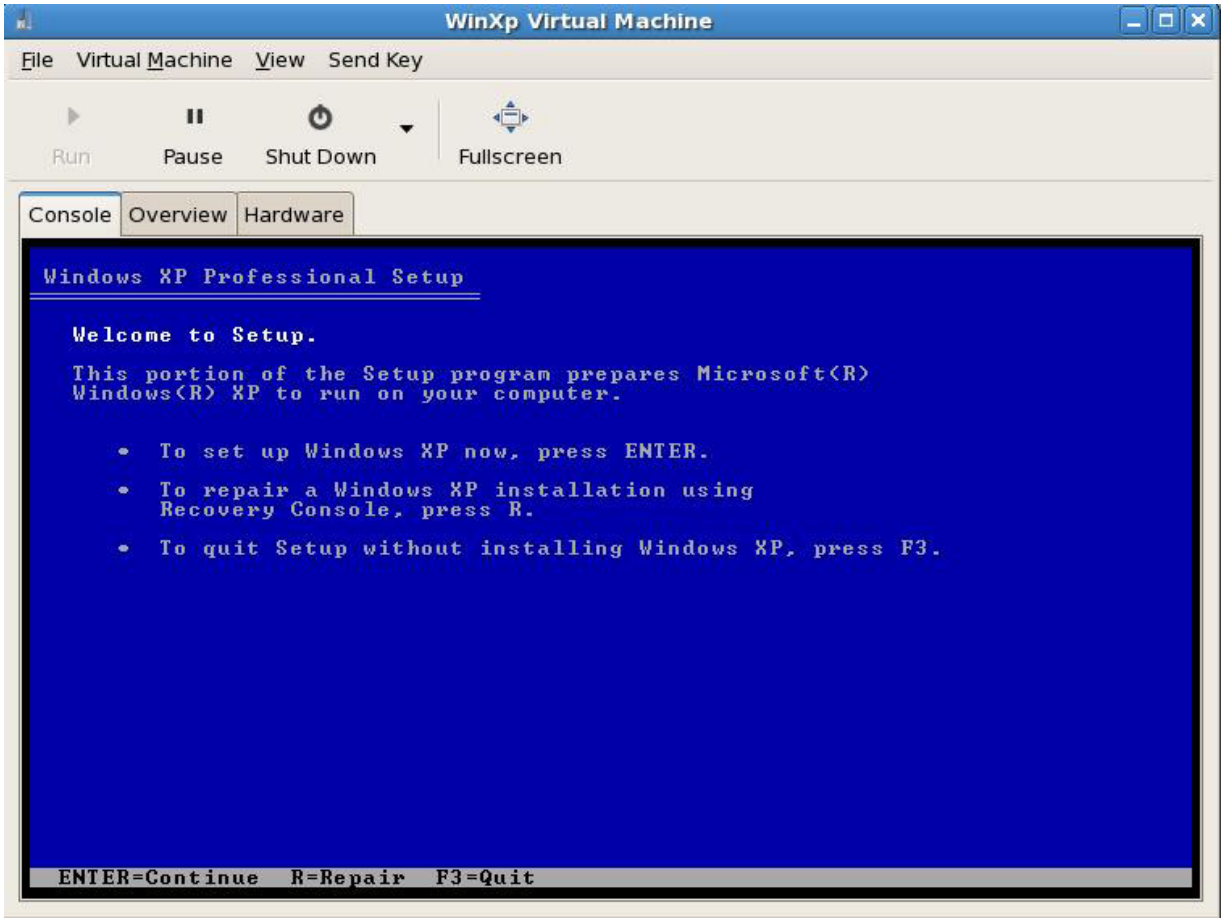
    Click **Forward**.



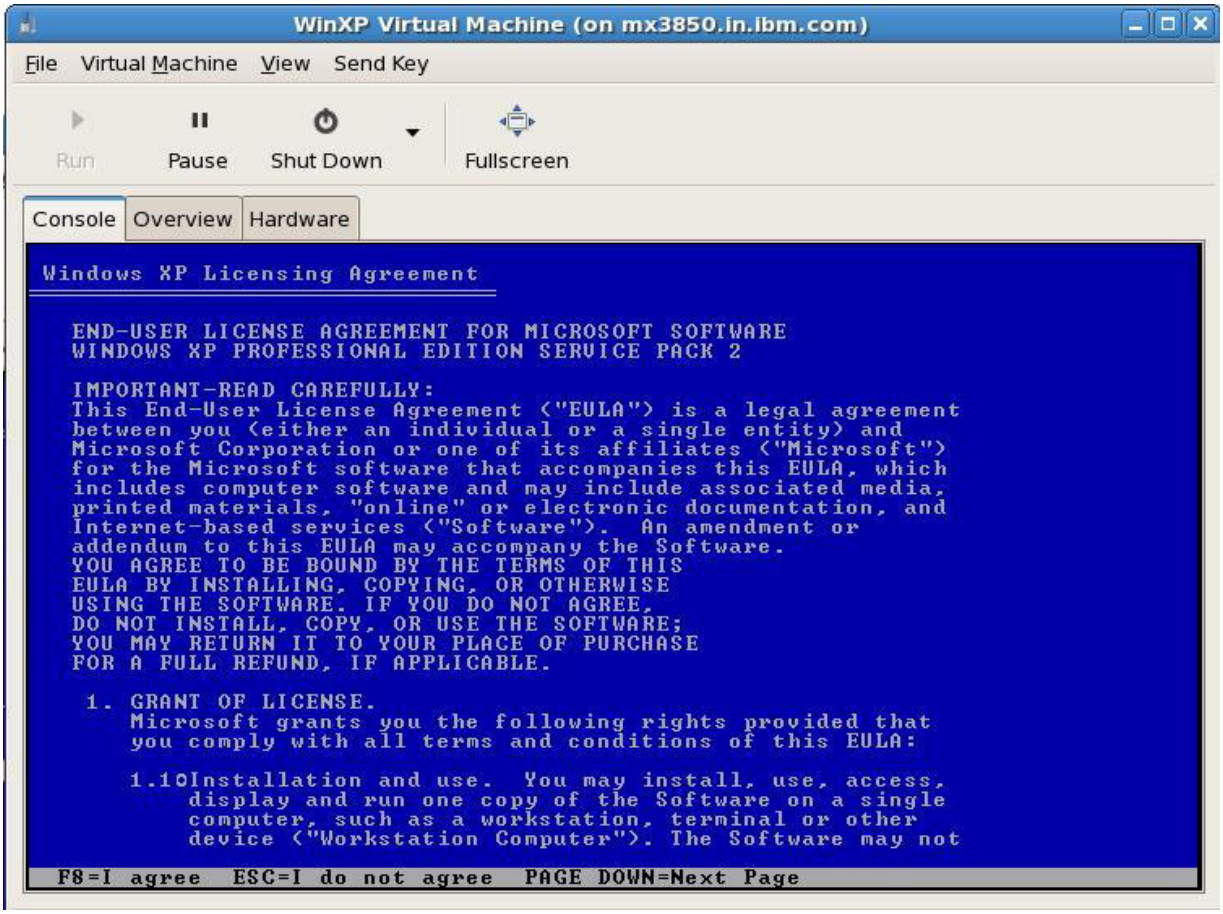
11. On the final summary page, verify that you have all your setting correct for creating the guest. When you are satisfied, click **Finish**.



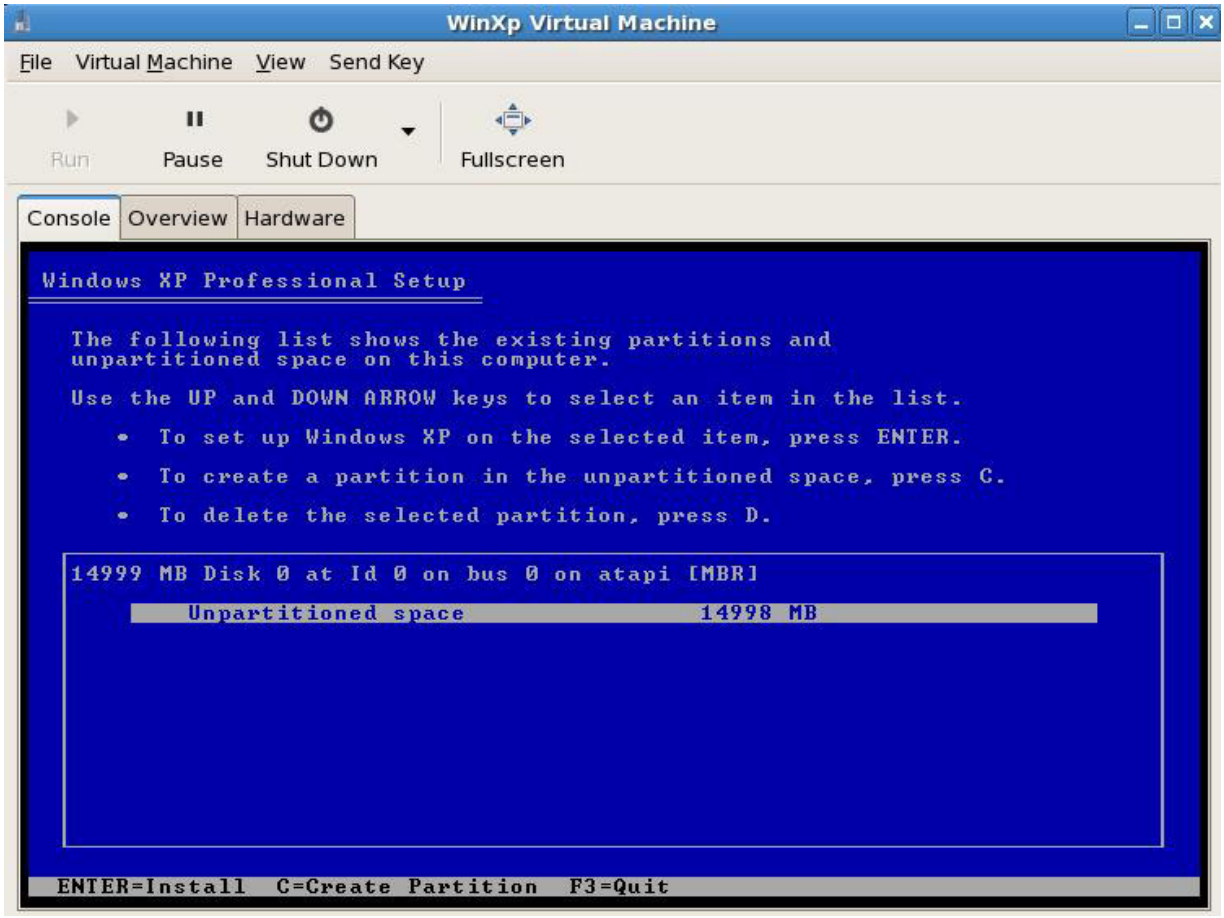
12. After you click **Finish**, the Windows XP installation dialog opens. Press **Enter** to begin the installation.



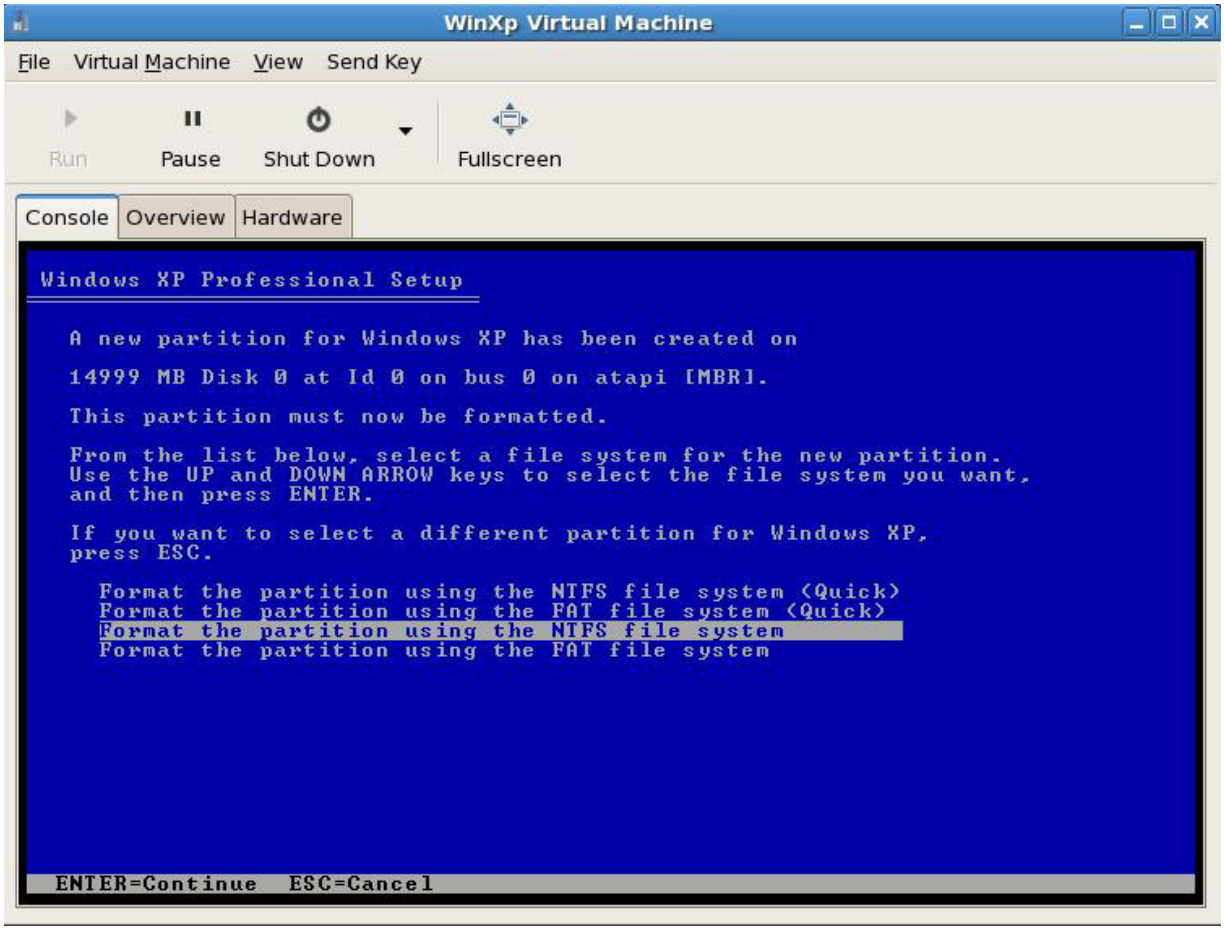
13. Accept the Windows XP Licensing Agreement by pressing **F8**.



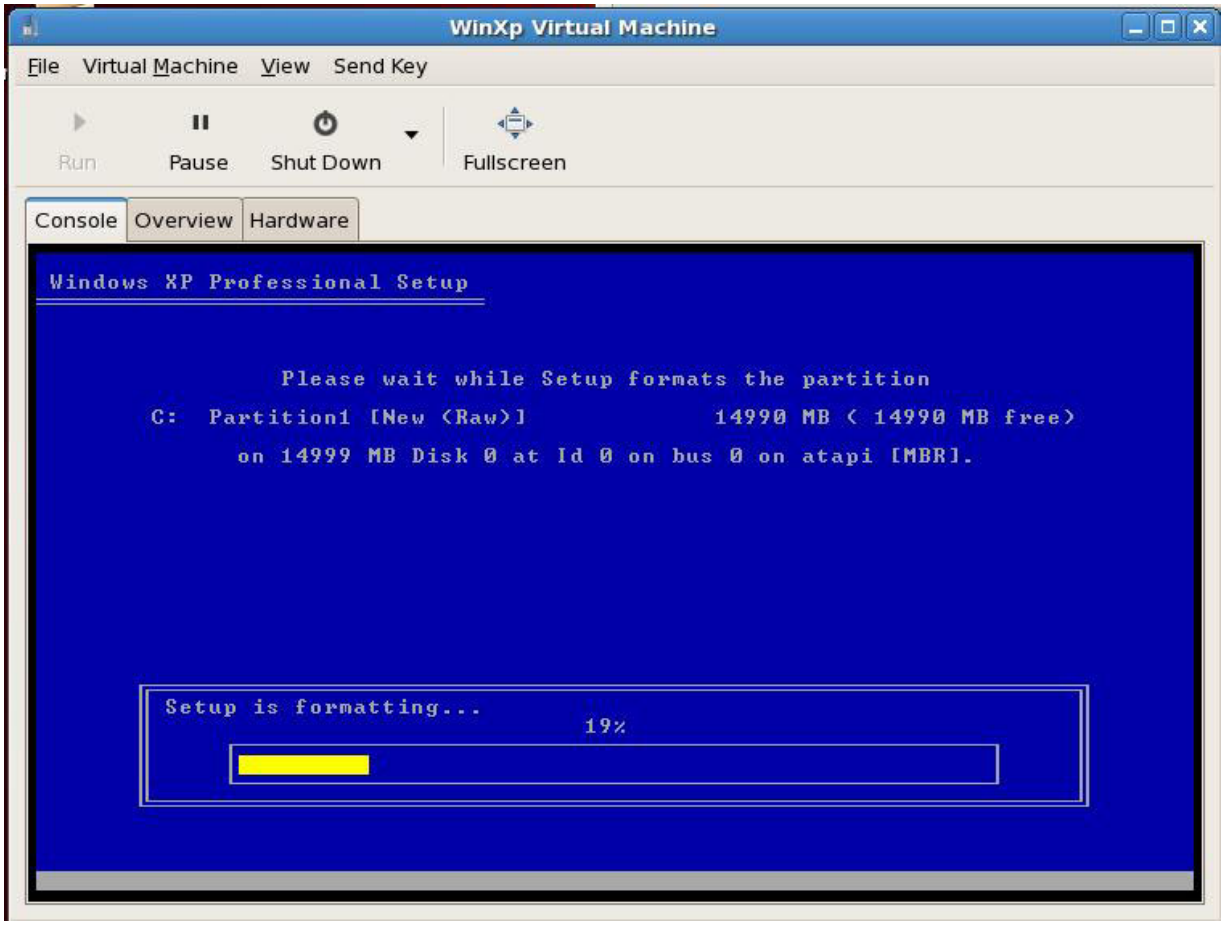
14. On the partitioning screen, press **Enter** to install Windows on the unpartitioned space.



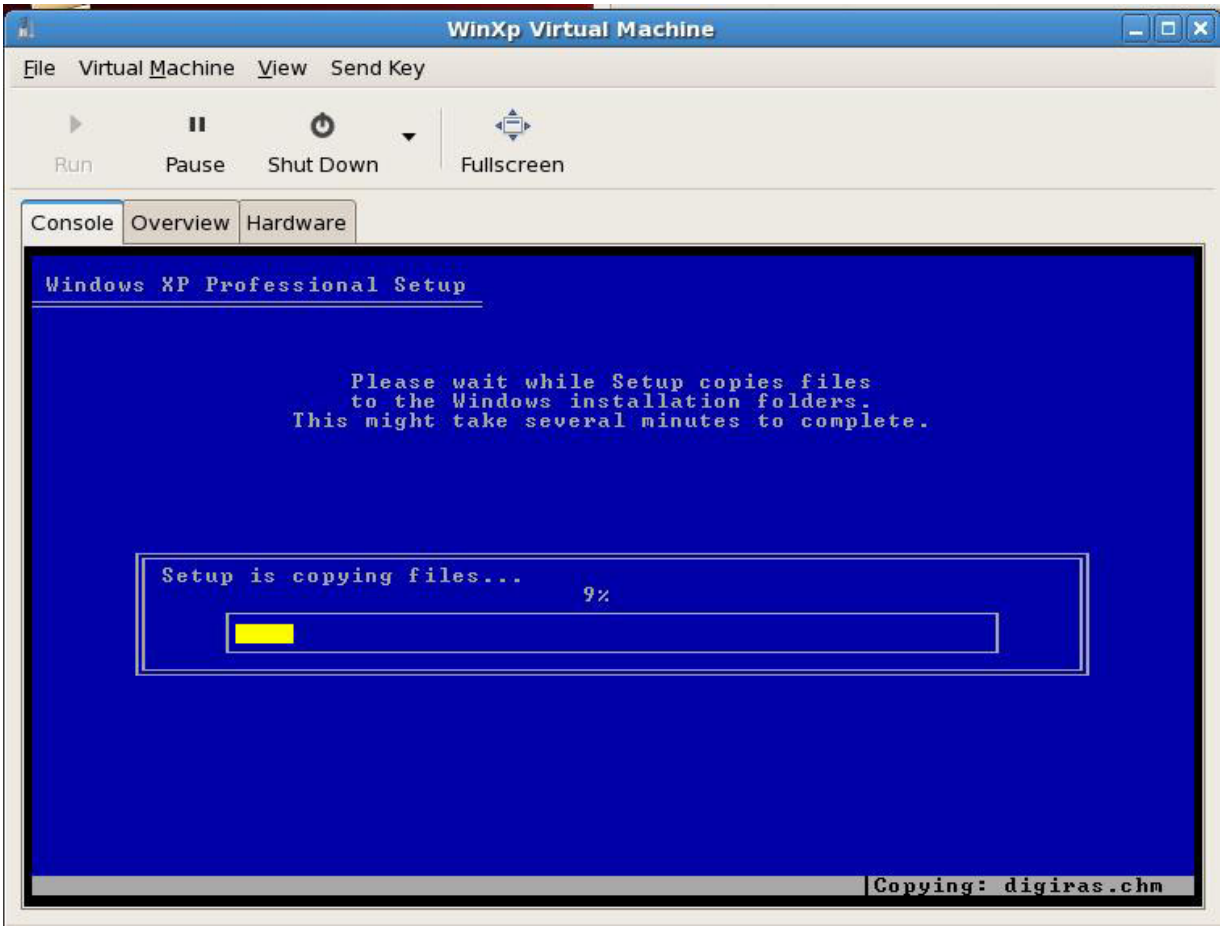
15. After the partition has been created, you can also customize the file system for the guest. Press **Enter**.



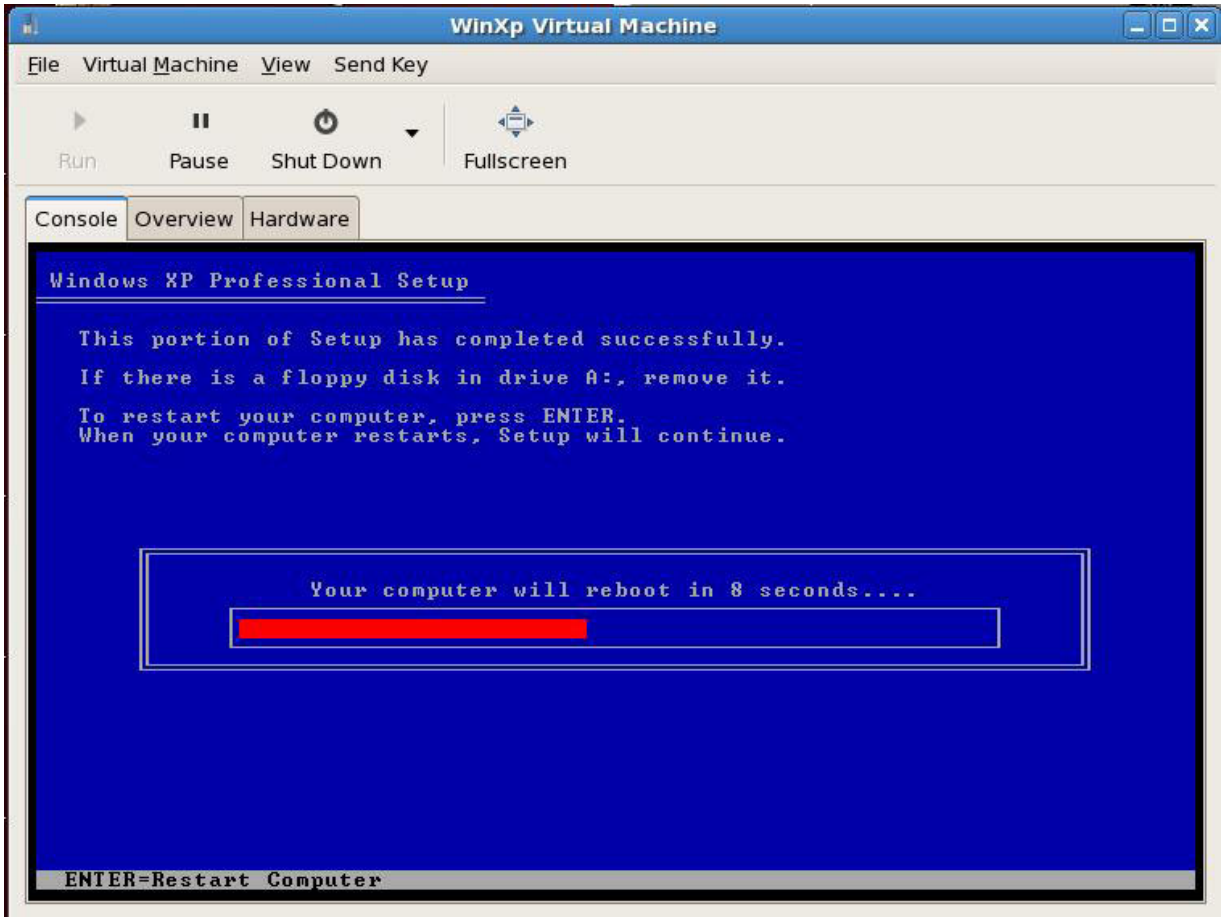
After pressing Enter, the formatting of the disk space starts.



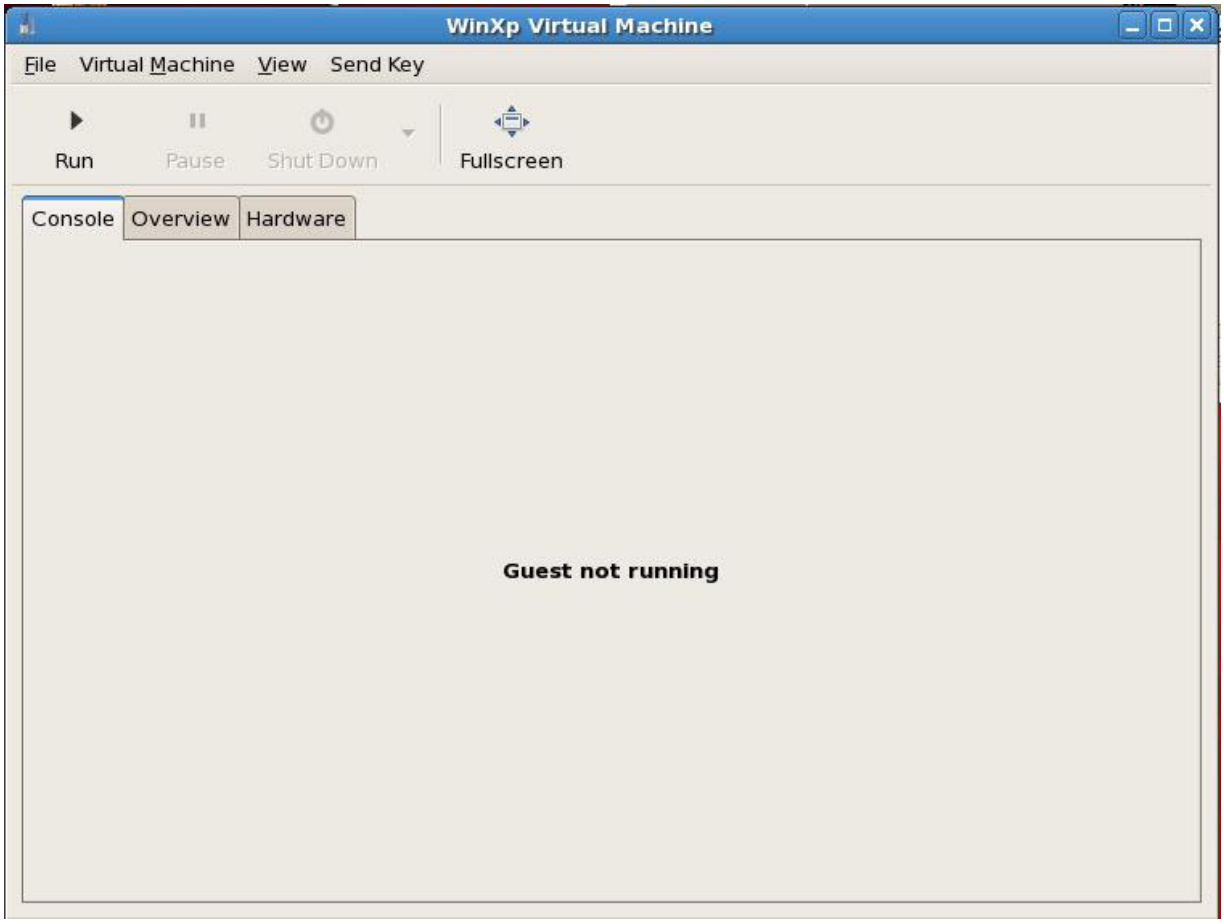
After the disk formatting is completed, the system starts copying files.



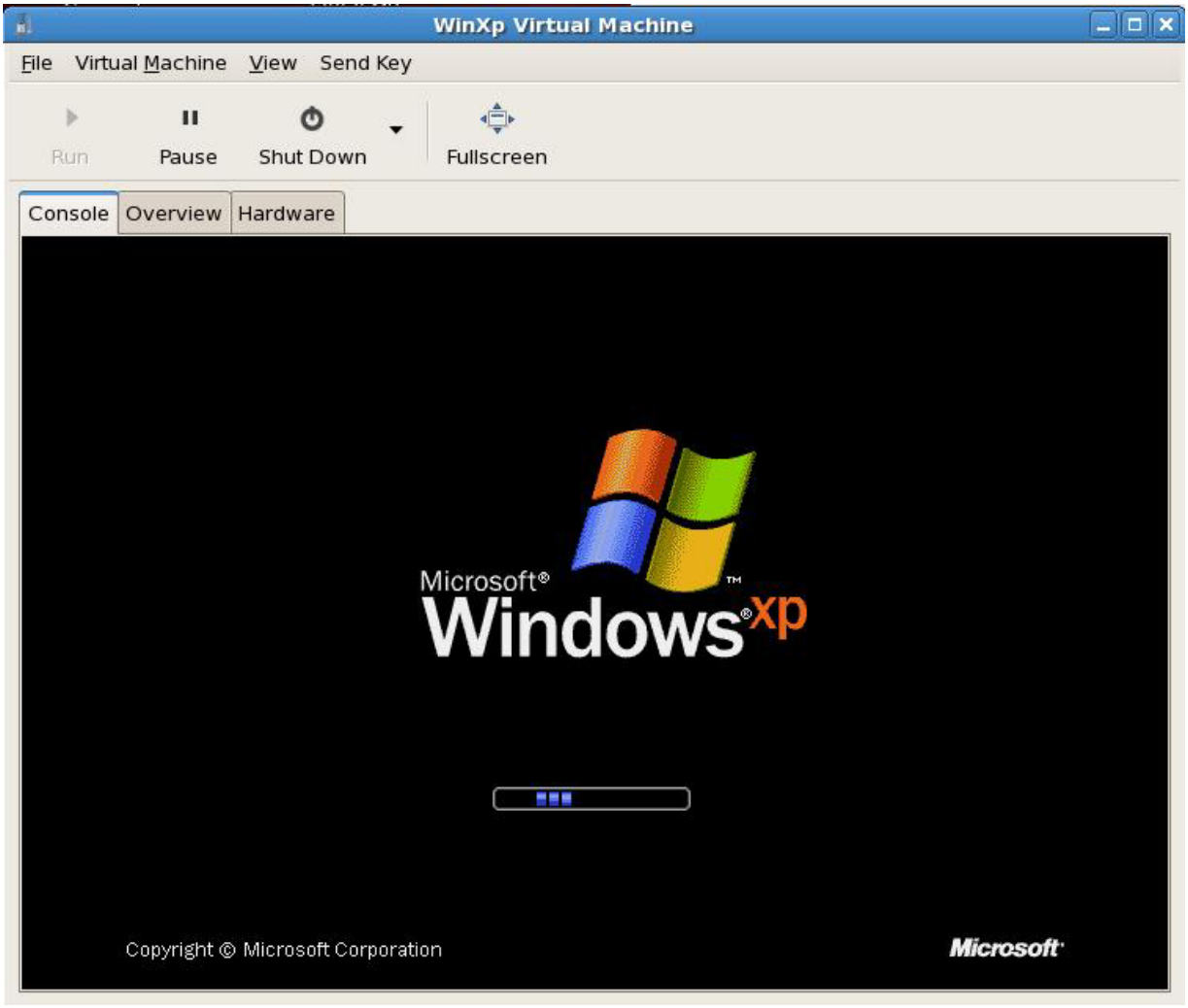
After copying the files, the guest will reboot.



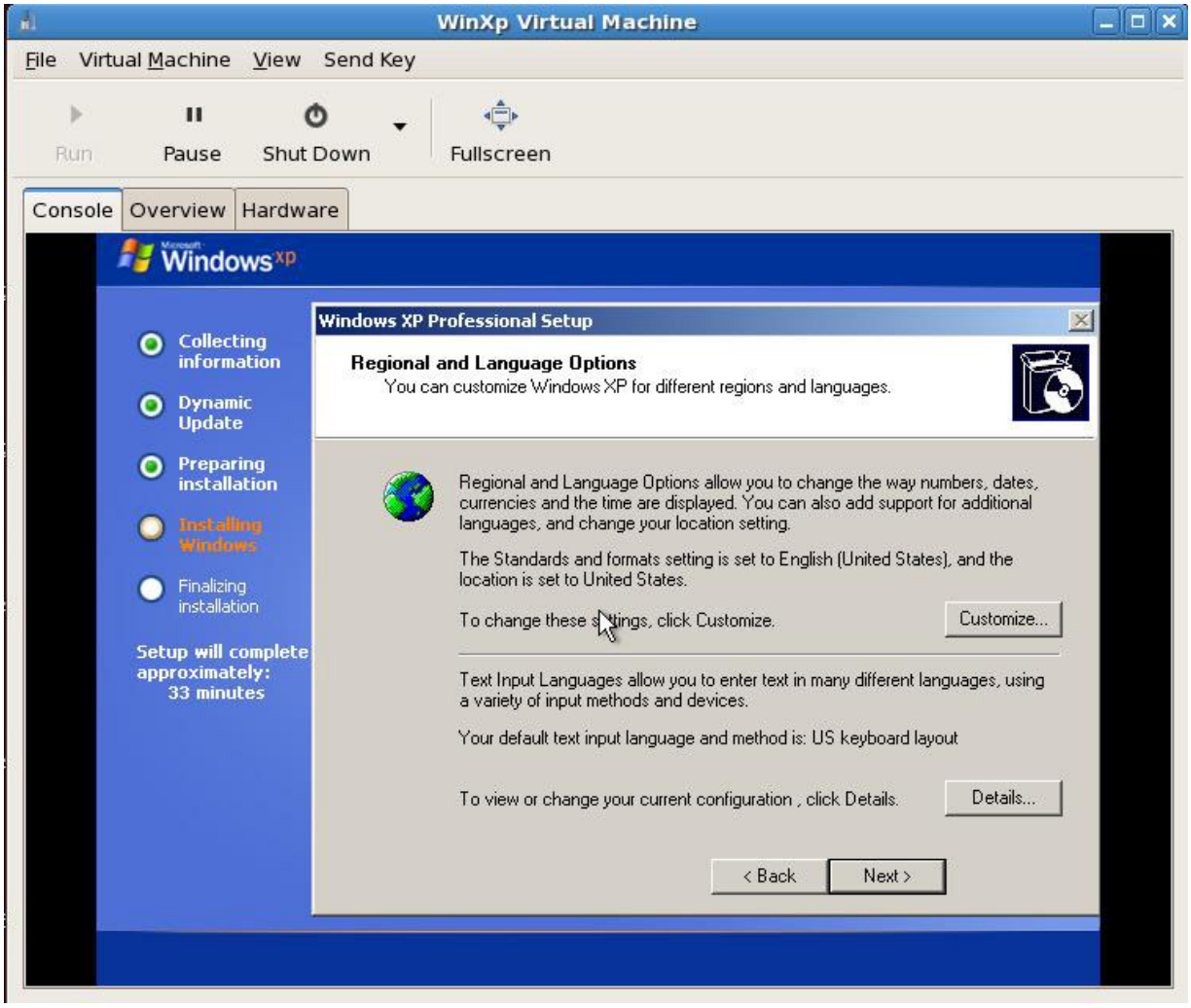
16. After rebooting, the guest will not be running. Click **Run** to restart it.



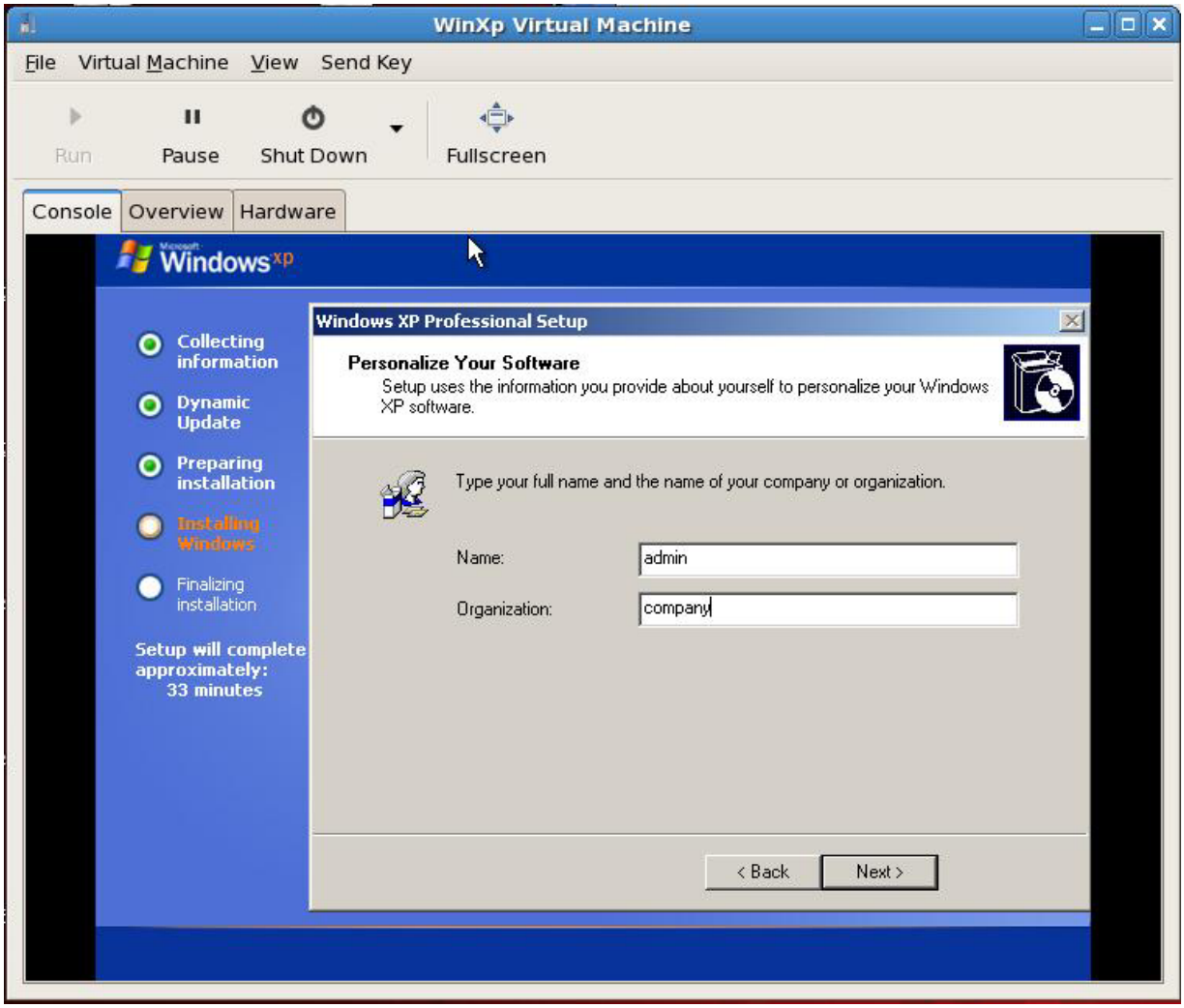
17. After the guest is running, the Windows XP installation begins.



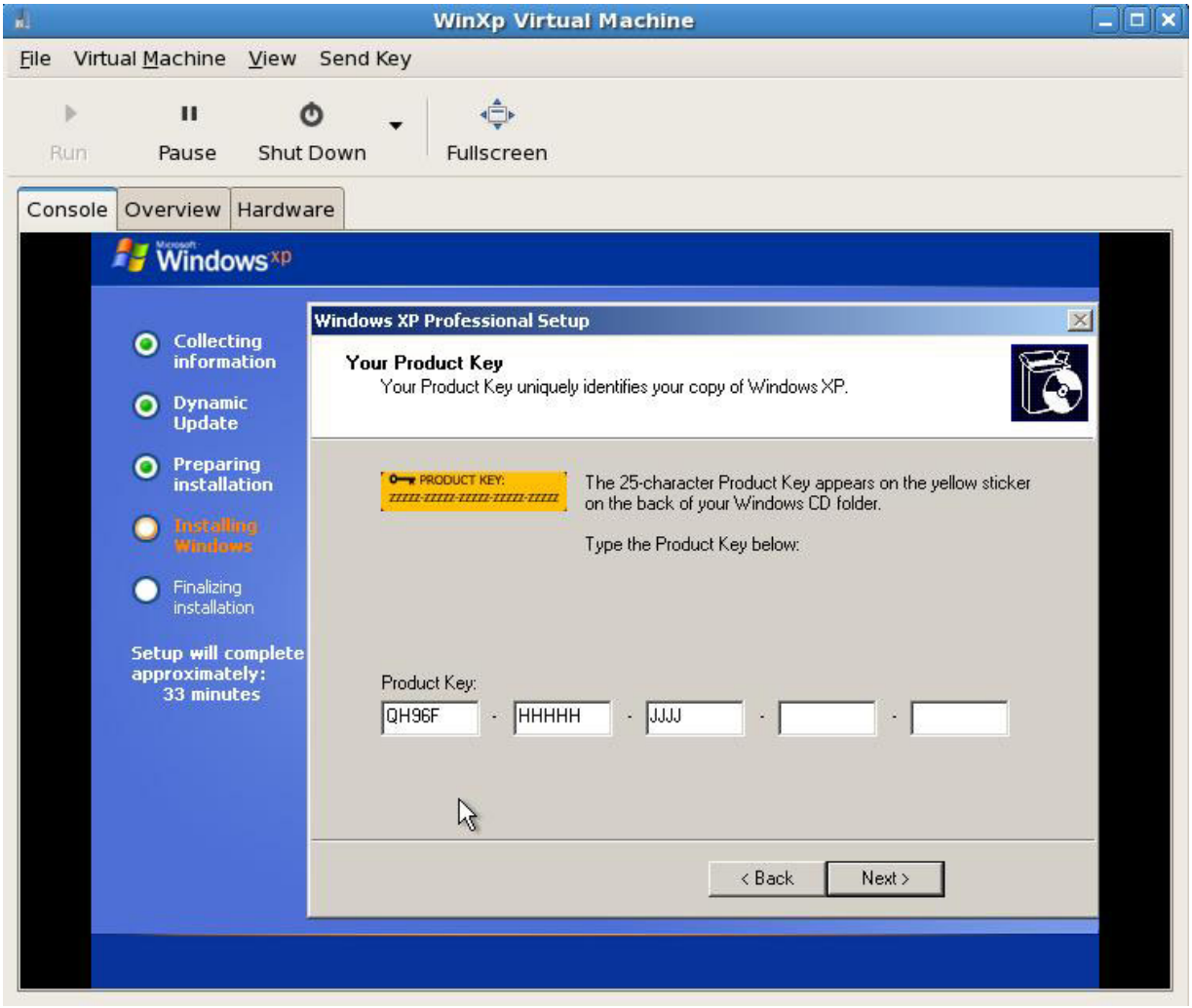
18. On the Regional and Language options dialog, verify that information displayed is correct. You can change these settings by selecting **Customize** for Region and **Details** for Language. When you are satisfied, click **Next**.



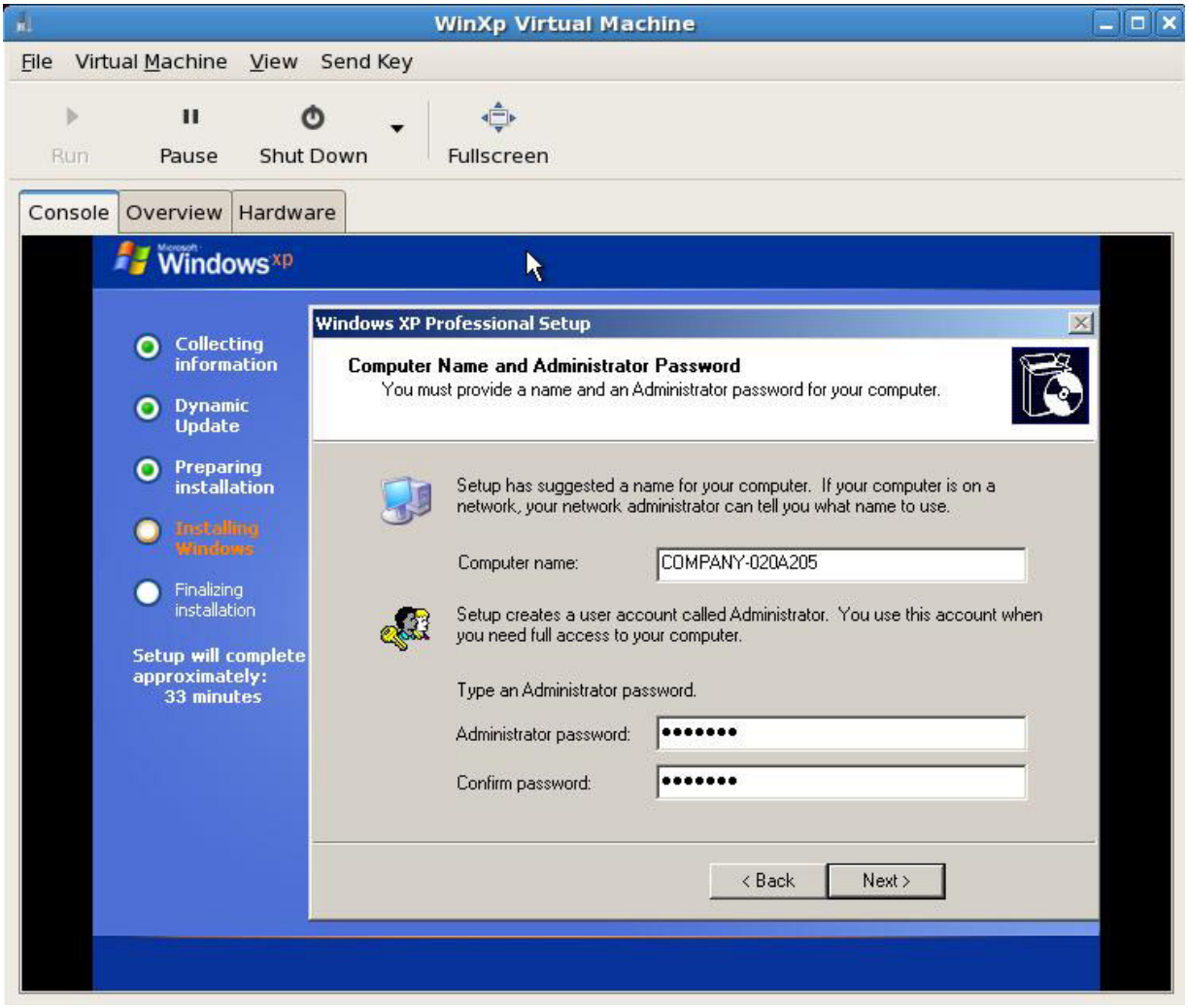
19. Enter your name and your organization. Click **Next**.



20. Enter the Product Key and click **Next**. Generally the Product Key is shipped with the ISO.



21. Enter the password for the Administrator and click **Next**



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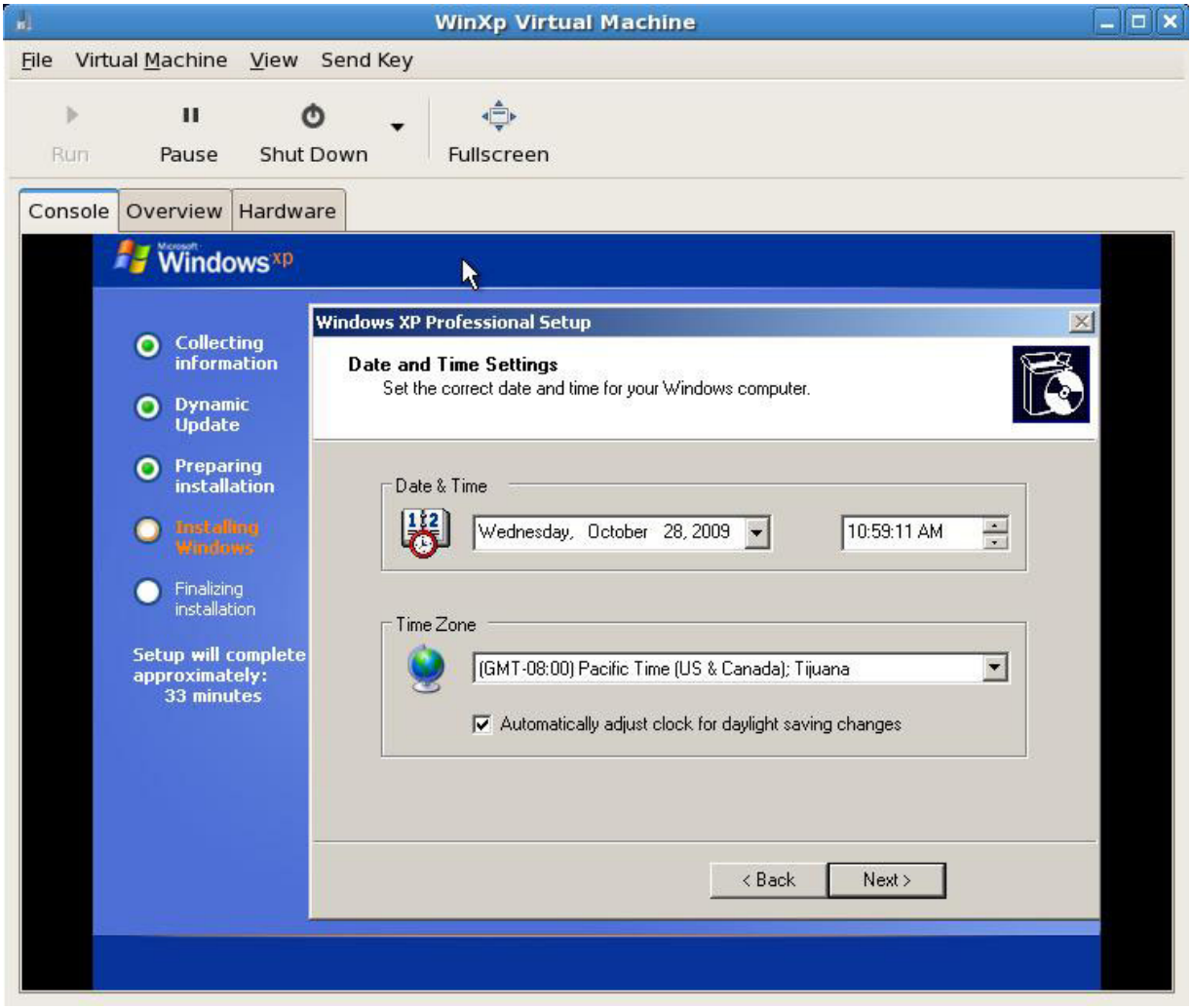
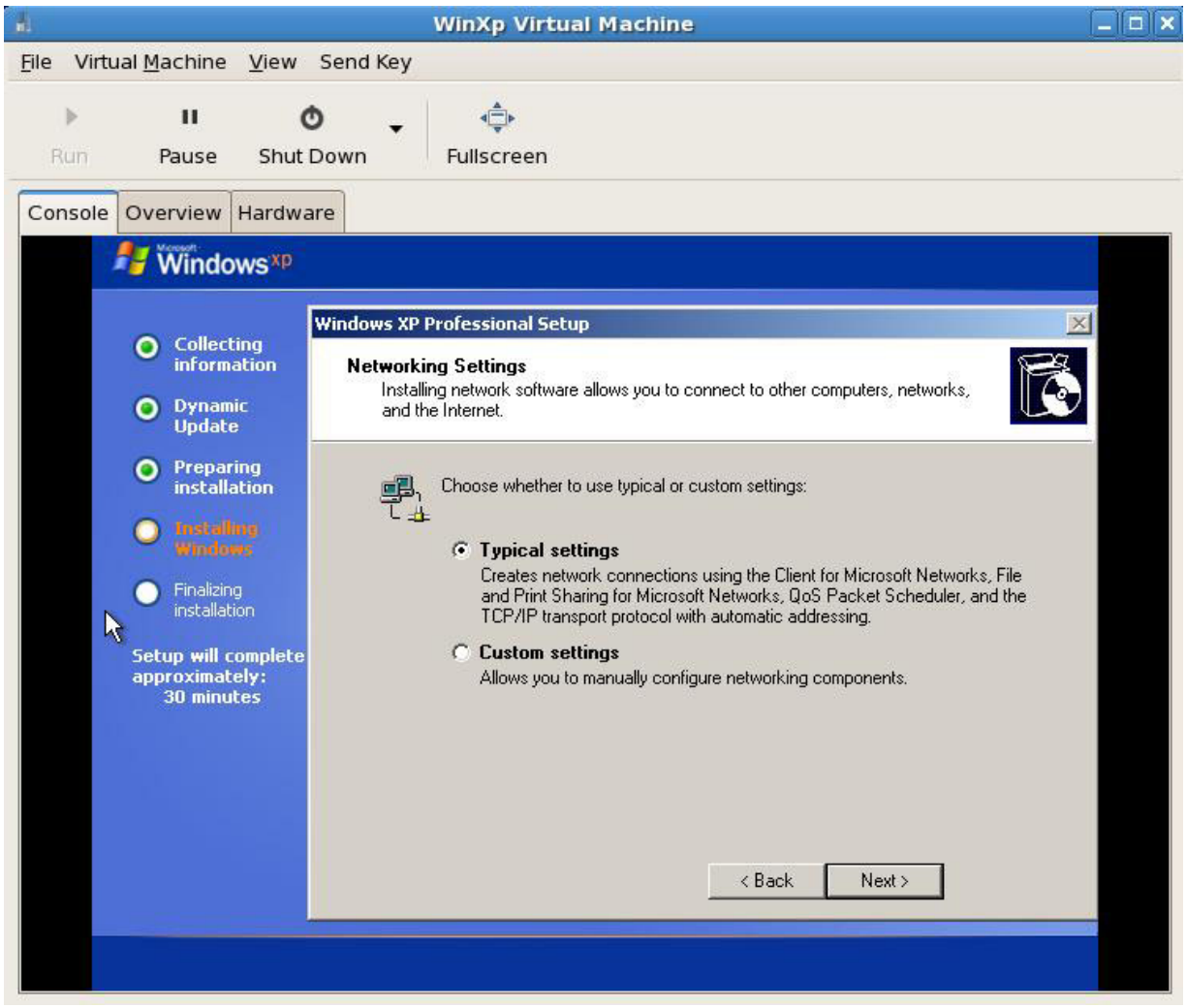
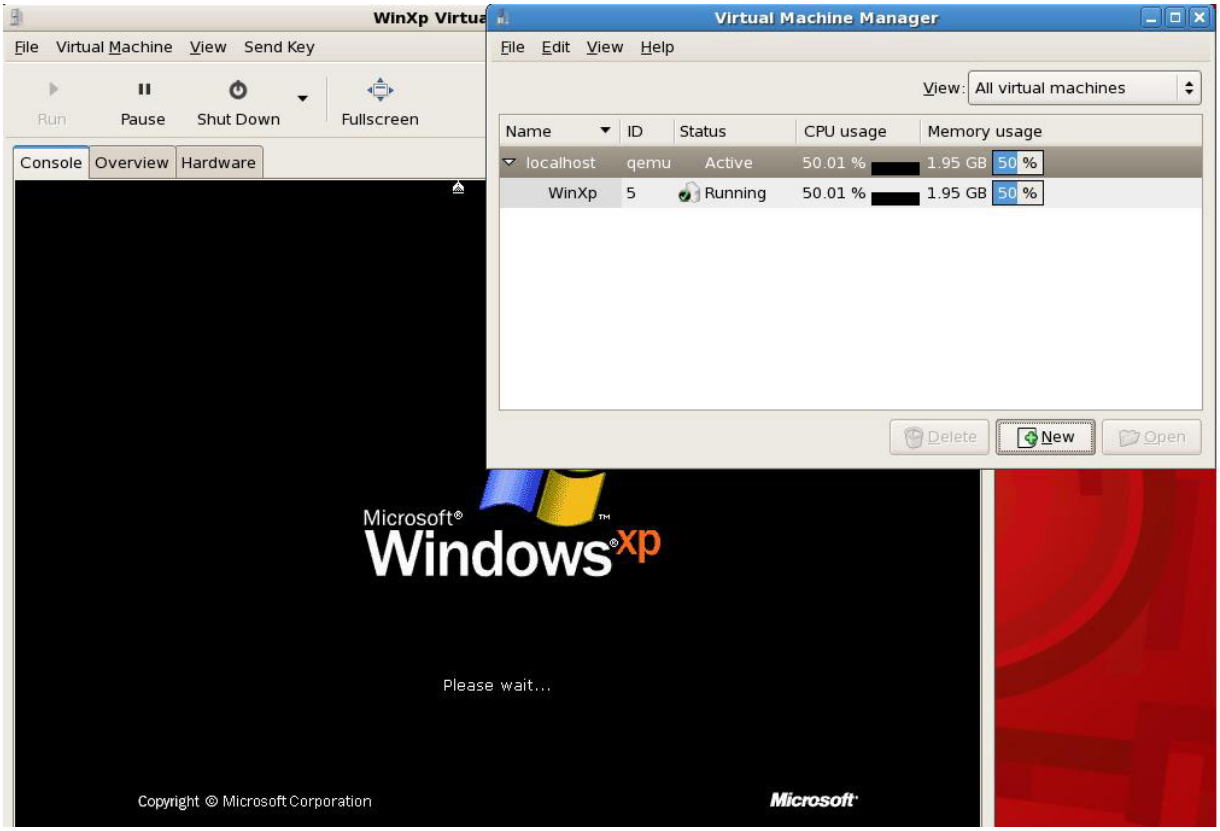
22. Select the Date and Time Zone and press **Next**.



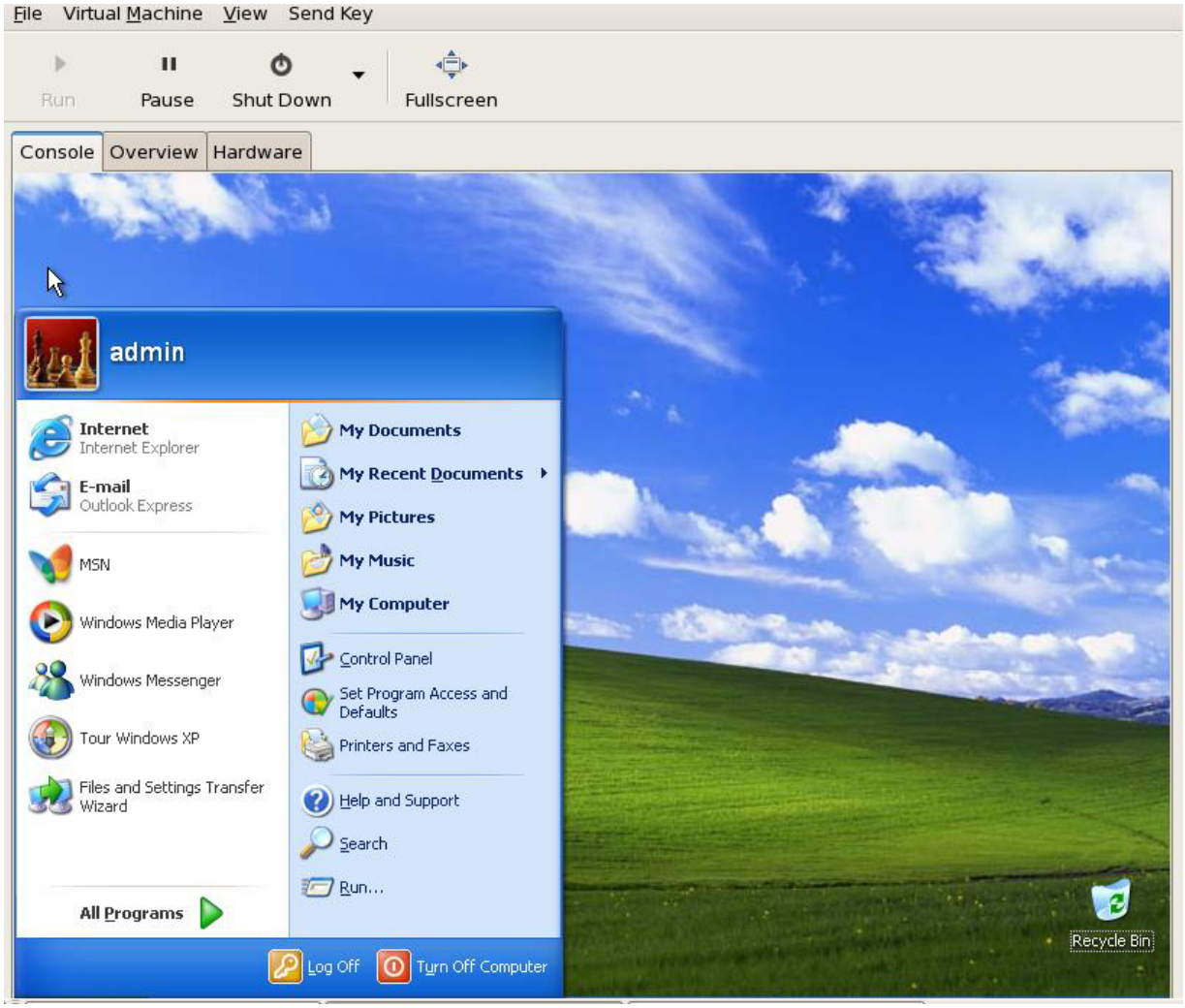
23. Set the Network Settings for the guest. You can choose Typical or Custom. Press **Next**.



24. After selecting your Networking settings, the installation proceeds until it is complete. The guest reboots. You can see the Windows guest in a Running state in the virt-manager.



The guest is running and ready to use.


File Virtual Machine View Send Key
Run
Pause
Shut Down
Fullscreen
Console
Overview
Hardware
admin
Internet
Internet Explorer
E-mail
Outlook Express
MSN
Windows Media Player
Windows Messenger
Tour Windows XP
Files and Settings Transfer Wizard
All Programs
My Documents
My Recent Documents
My Pictures
My Music
My Computer
Control Panel
Set Program Access and Defaults
Printers and Faxes
Help and Support
Search
Run...
Log Off
Turn Off Computer
Recycle Bin

Part 2. Appendixes

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