Ghost Image to Virtual Machine Using P2V Techniques

Step 1: Create / Obtain a BartPE Ghost CD-ROM ISO image. **Note:** This Ghost CD must contain SCSI drivers for the BusLogic SCSI adapter.

If your organization already has a bootable Ghost CD with BusLogic SCSI drivers then skip to Step 2.

Creating a Ghost boot CD:
This can be done by following the tutorials located here:
http://www.rtfm-ed.co.uk/?page_id=174

Or if the tutorial was already downloaded locate this file:
Whitepaper-ultimateP2V-QuickStart.pdf

Note: If you are using VMware's P2V product you may ignore some of the steps in the above tutorial. The complete tutorial above outlines creating a CD-ROM for use in a physical to virtual process that doesn't use VMware's P2V Assistant.

Once you've created the ISO image rename it to "SuperGhost_SCSI.iso"

Step 2: Creating the Virtual Machine

To begin creating a new virtual machine go to File > New > Virtual Machine. See Figure 1.1

Figure 1.1

Click next on the following screen. (Figure 1.2)

Figure 1.2

On the next screen choose “Custom” and click next. (Figure 1.3)

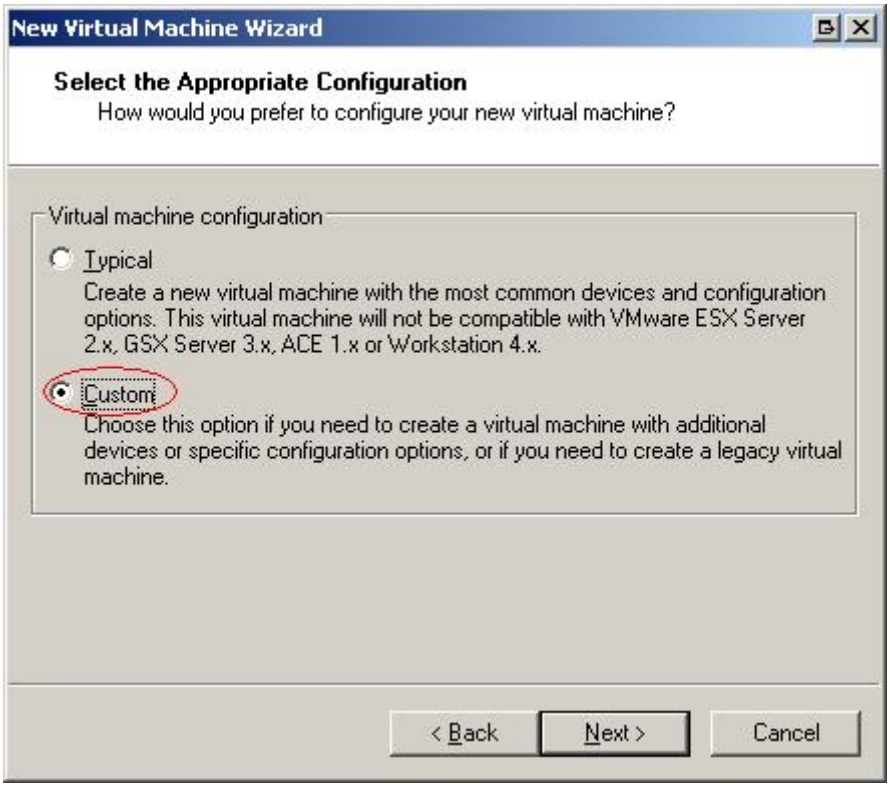

Figure 1.3

On the next screen choose “New – Workstation 5” (Figure 1.4)

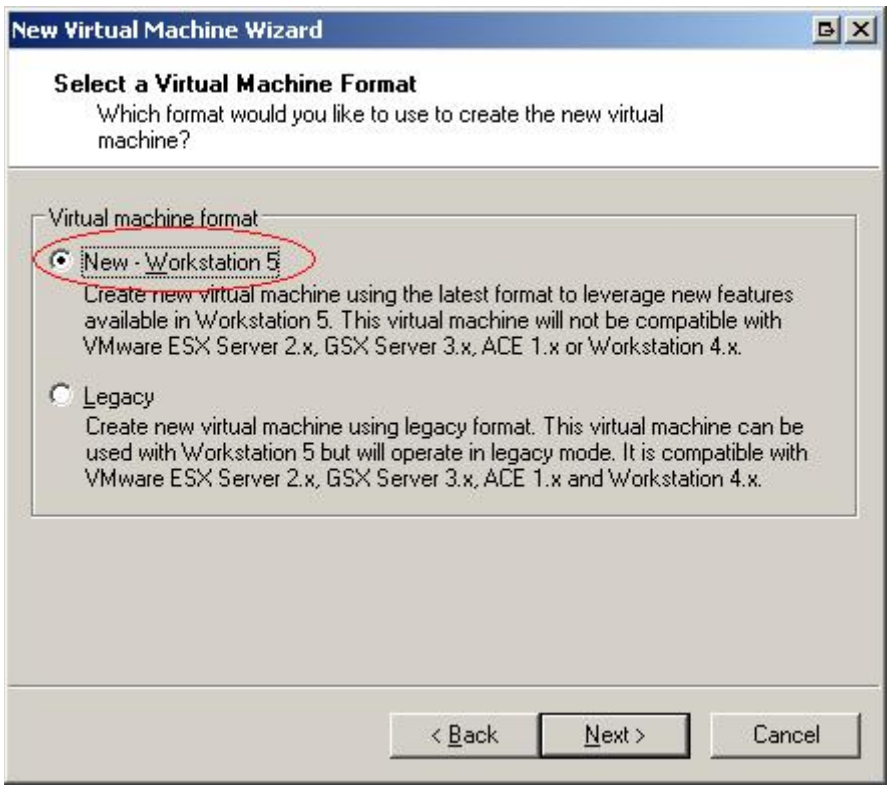

Figure 1.4

Then choose the Operating System type located inside the ghost image. (Figure 1.5)

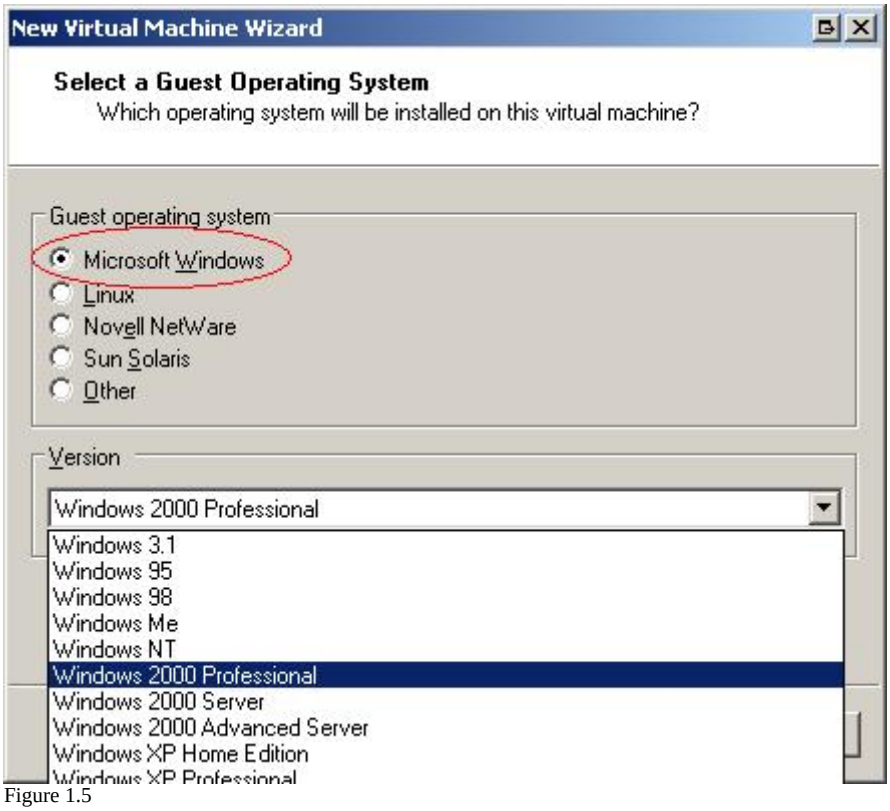

Figure 1.5

Then choose the location and name of the virtual machine. This is the location where it will put the virtual machines configuration and hard drive files. (Figure 1.6)

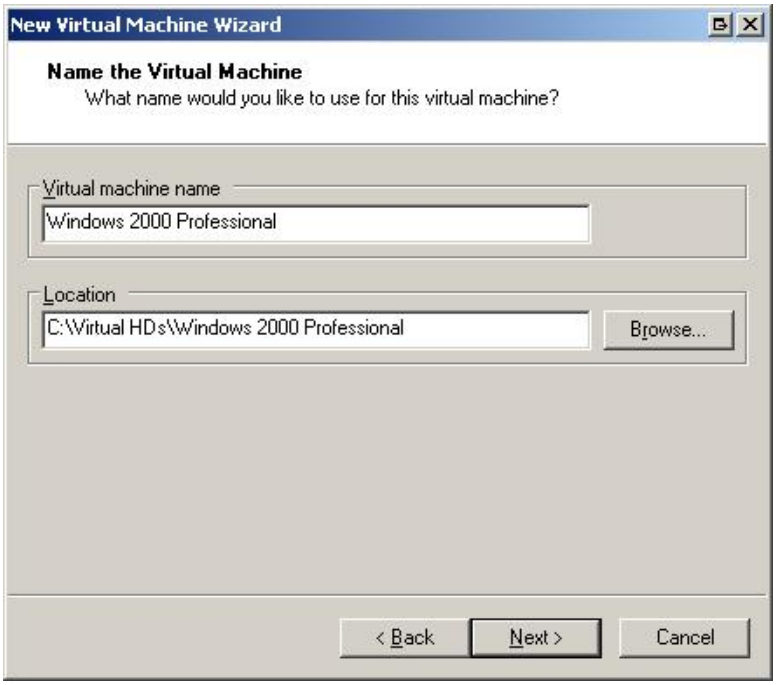

Figure 1.6

Then choose the number of processors the computer had that the ghost image was created from. (Figure 1.7)

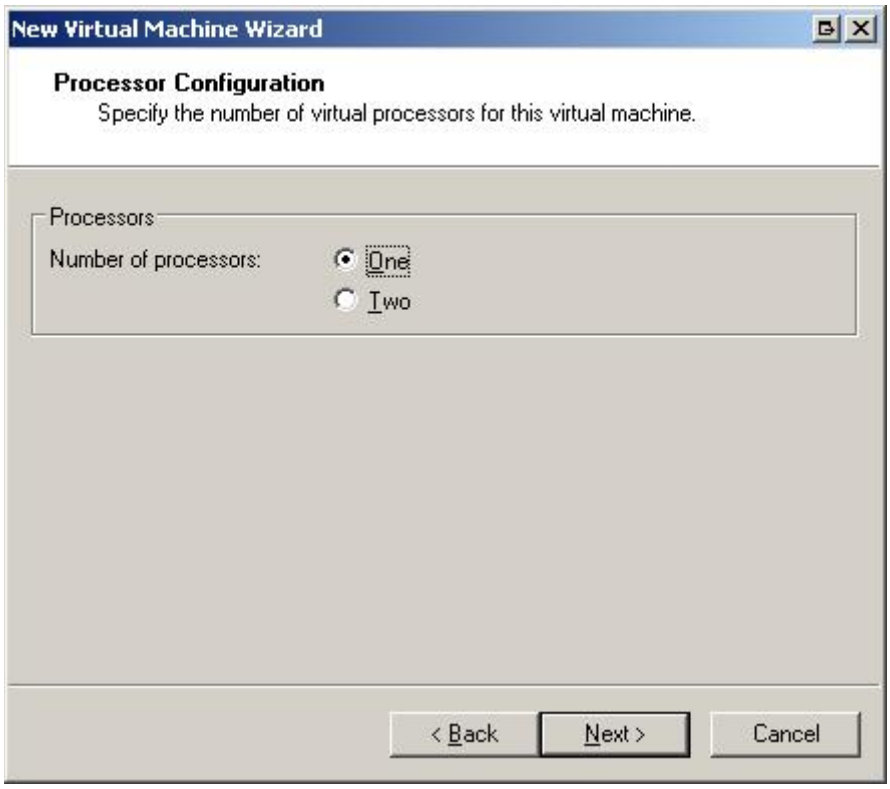

Figure 1.7

Then choose how much physical memory you want to allocate to the virtual machine. (Figure 1.8)

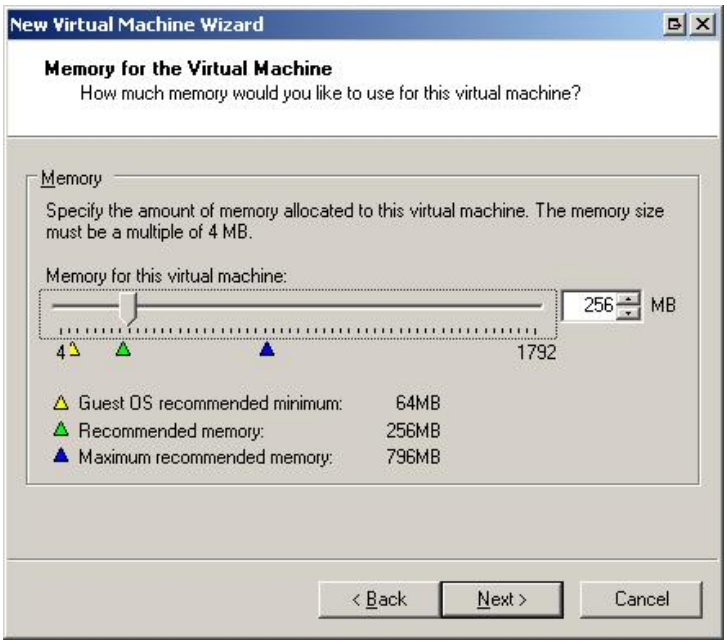

Figure 1.8

Then choose network type as “Use Bridged Networking”. (Figure 1.9)

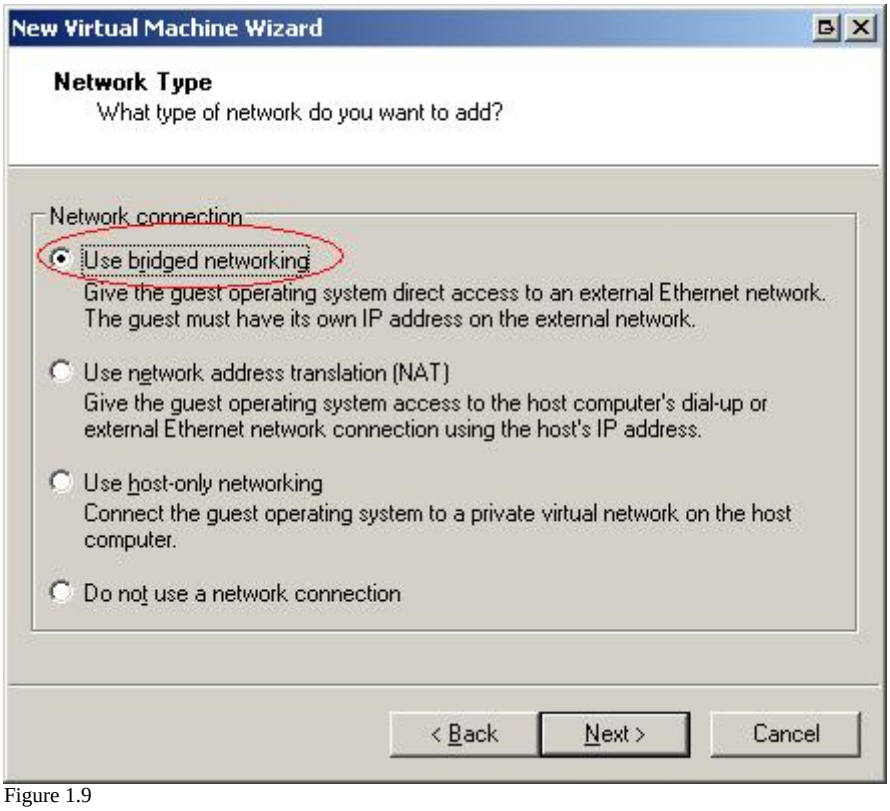

Figure 1.9

Then choose “BusLogic” as the SCSI adapter. **NOTE:** This is an important step. The P2V utility only installs the BusLogic SCSI drivers. (Figure 1.10)

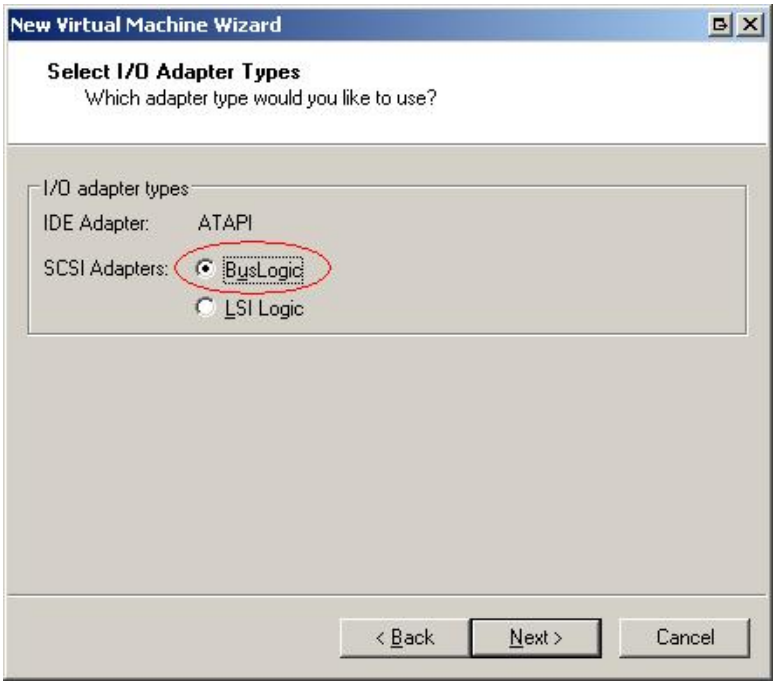

Figure 1.10

Then choose “Create a New Virtual Disk”. (Figure 1.11)

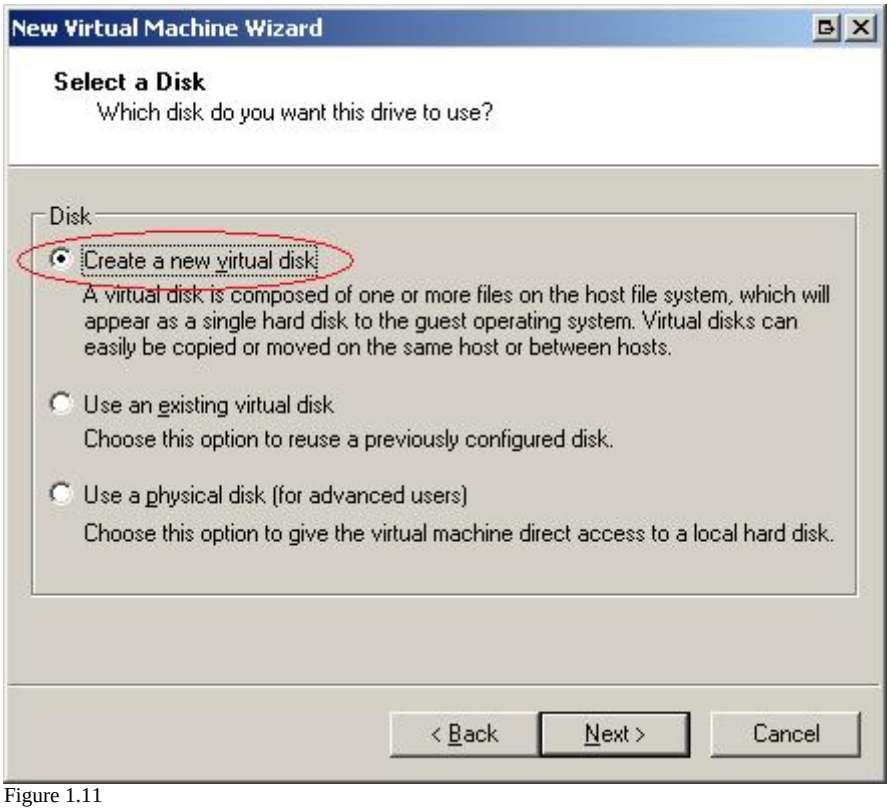

Figure 1.11

Then choose SCSI and the disk type. (Figure 1.12)

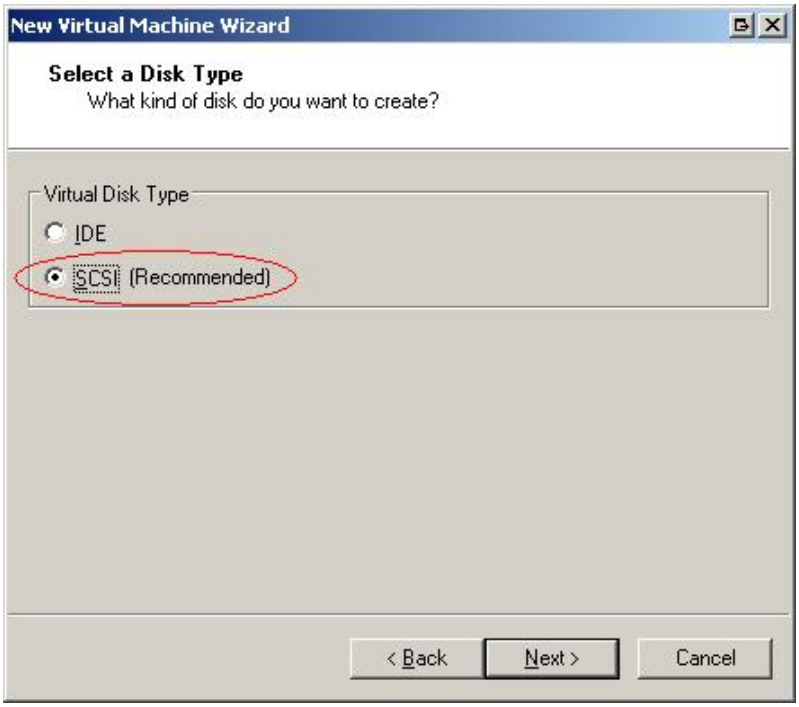

Figure 1.12

Then choose the disk size. Be sure to choose a capacity greater than the size of the ghost image. (Figure 1.13)

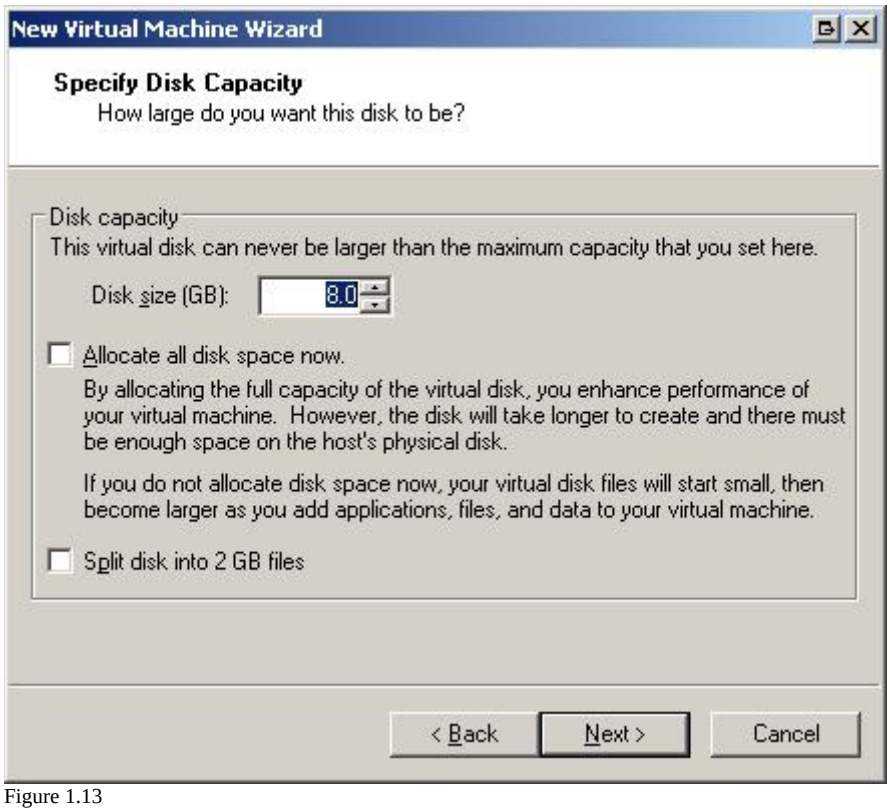

Figure 1.13

Then choose a name for your virtual disk and press “Finish”. (Figure 1.14)

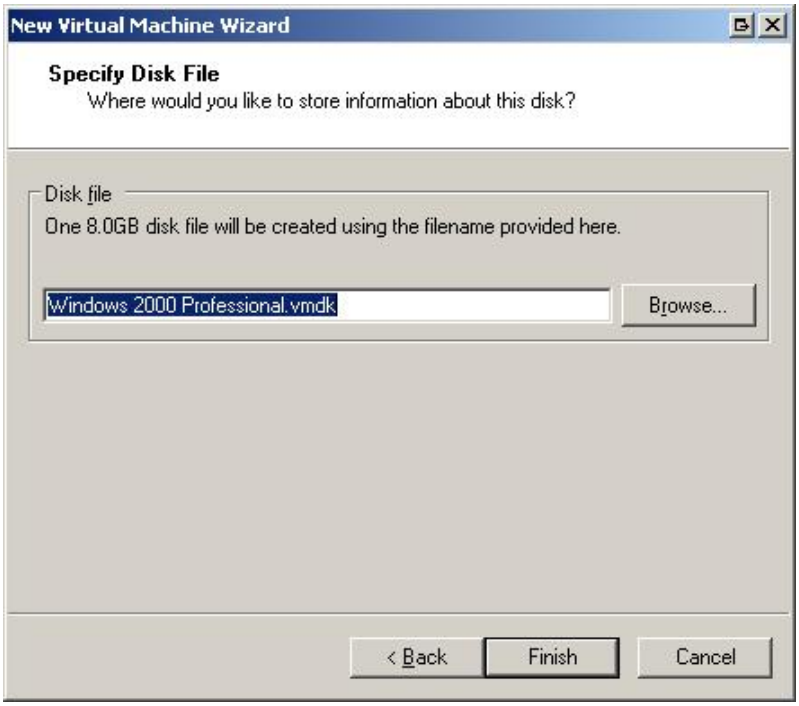

Figure 1.14

Step 3: Reconfigure the new virtual machine

After the new virtual machine is created click on “Edit virtual machine settings”. On this screen we want to change the CD-ROM drive from using a physical drive to using an ISO CD-ROM image file. Choose the image file that you created in Step 1. (Figure 1.15)

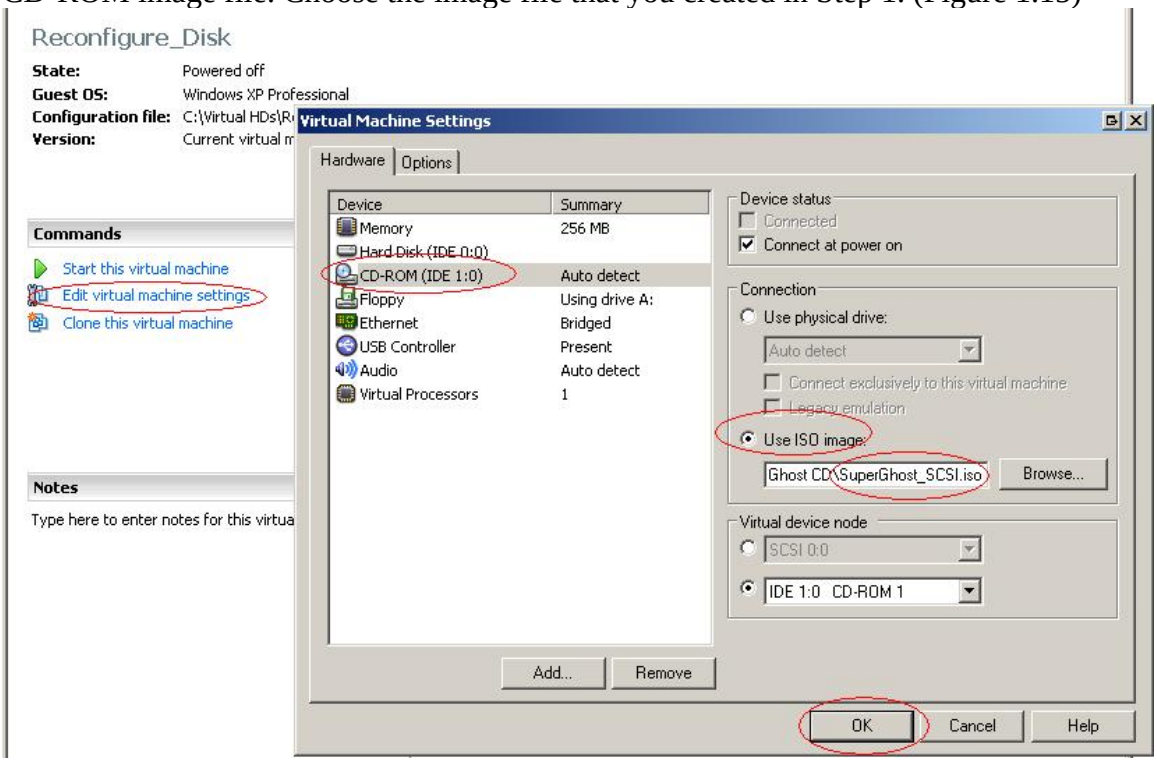

Figure 1.15

Then start the new virtual machine. Be sure to boot from the virtual CD-ROM. You may need to change the boot order in the BIOS. After the virtual machine boots off of the Ghost CD, restore your Ghost image to the virtual disk. Then shutdown the virtual machine and proceed to Step 4.

Note: If you are NOT using VMware’s P2V Assistant, then finish up by referring to the tutorial mentioned in Step 1.

Step 4: Running P2V Assistant Against Your Virtual Disk.

Next we need to run VMware’s P2V Assistant, so make sure it is properly installed before proceeding.

Open up P2V Assistant and choose “Perform a System Reconfiguration on an existing virtual disk…” then click next. (Figure 1.16)

Figure 1.16

On the next screen choose “Open an existing virtual disk (.vmdk) file”. Then click browse and select the virtual disk that you restore your Ghost image on to. (Figure 1.17)

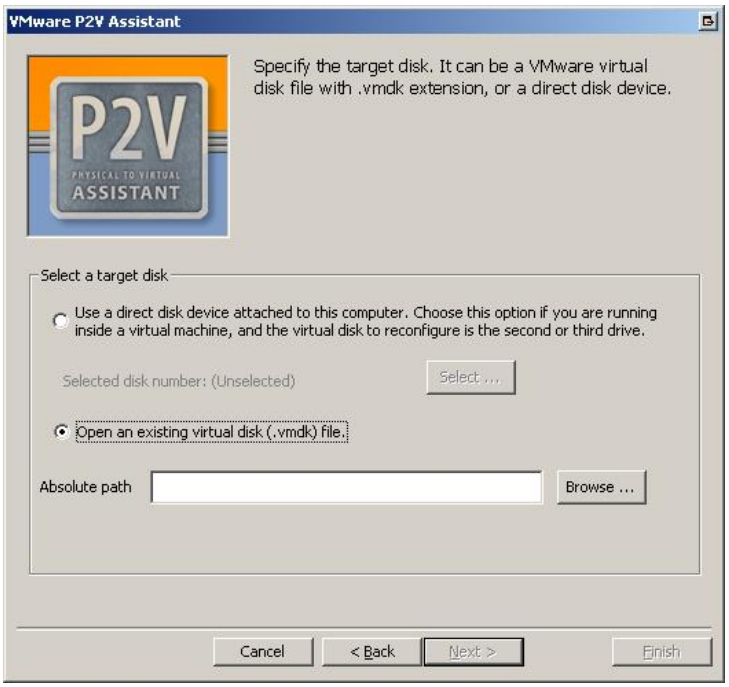

Figure 1.17

On the next screen you should see the OS that P2V Assistant detected on your virtual disk. Just click next here. (Figure 1.18)

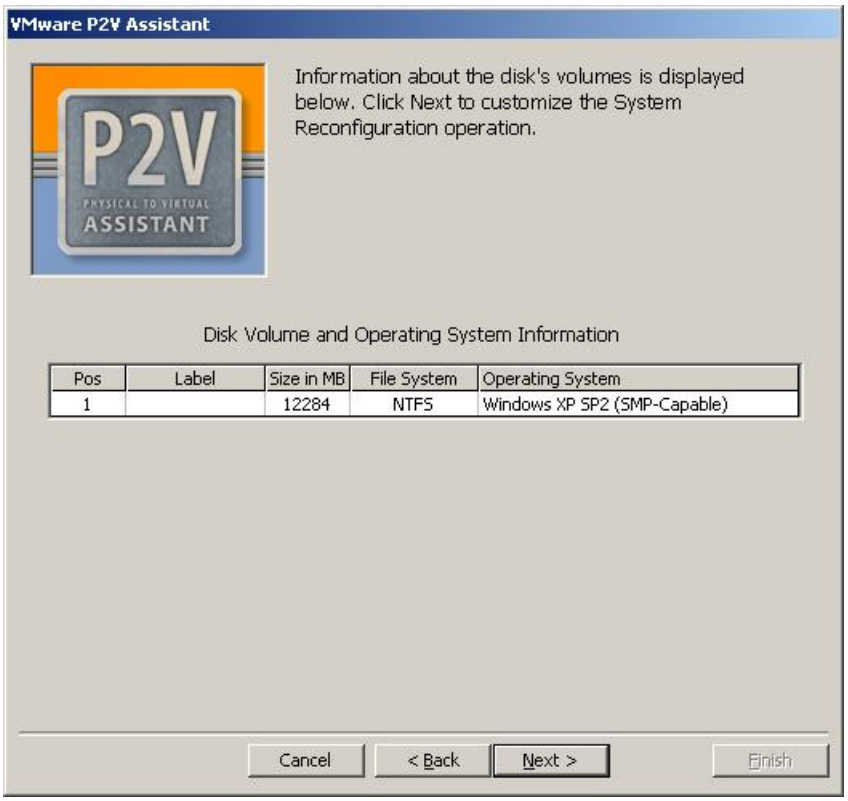

Figure 1.18

On the next screen Choose the target VMware product that you are using and click next. (Figure 1.19)

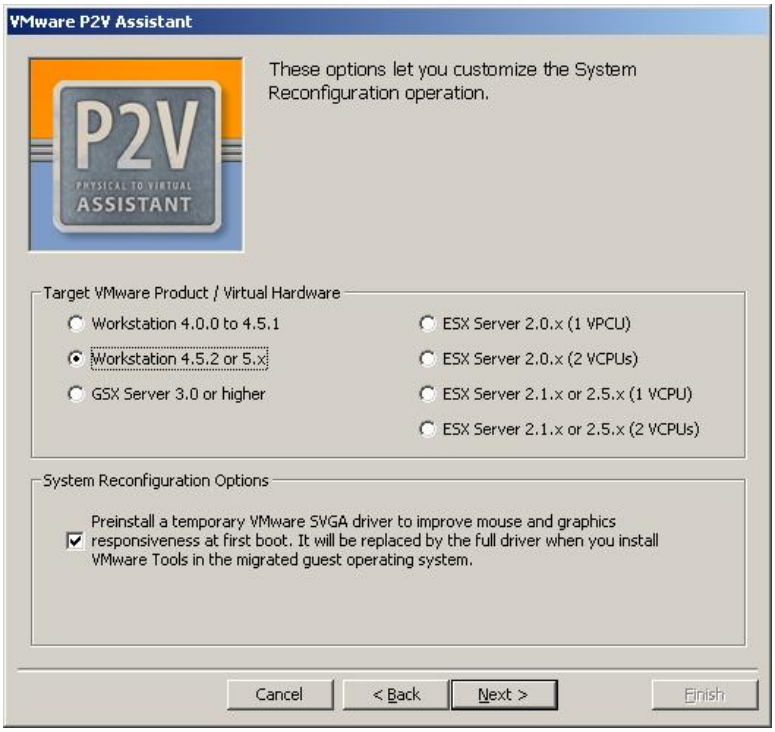

Figure 1.19

On the next screen just push next to commit changes. (Figure 1.20)

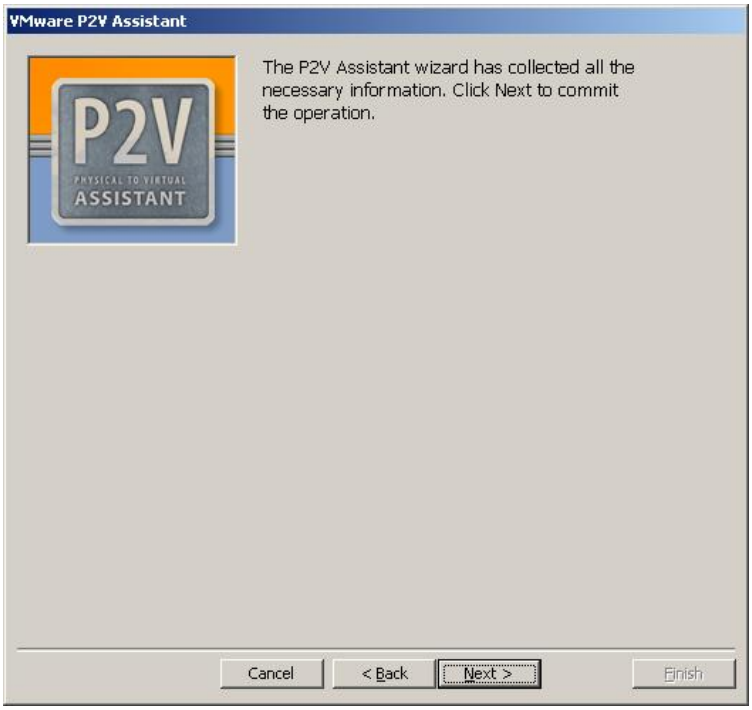

Figure 1.20

Step 5: Boot the New Virtual Machine
Now close P2V assistant and start your VMware product again. Remove the ISO from the virtual CD-ROM and boot the machine up.