

ML-370G4 (WIN 2003)

INSTALLATION GUIDE

PRODUCED BY

EUROPEAN PRODUCT SUPPORT GROUP

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1.1 Introduction

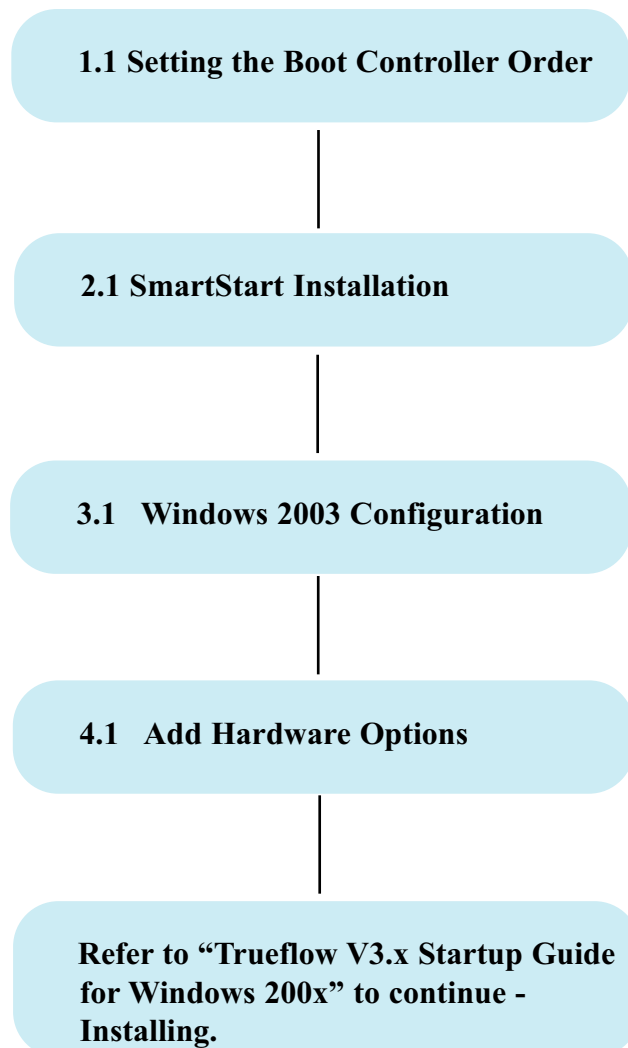
This manual details the procedure to install the Compaq ML370-G4 using the “HP SmartStart” CD.

Details of the ML370G4 hardware specifications can be obtained from the HP Website at www.HP.com

Installation Requirements:-

HP/Compaq ML370 G4 (1 or 3+ SCSI disks fitted)
6402 Smart Array Controller (required only for RAID enabled Systems)
HP Smartstart CD version 7.2 (or later)
Windows 2003 Standard Server Edition CD
PIF I/F Card Driver and Updater V3.4 (or later) CD or
Differential SCSI Card

Setup Flow



1.11 Setting the Boot Controller order for RAID enabled systems

Insert the “HP SmartStart” CD into the CD Drive and turn the system on.

If the system does not have a raid controller skip to page 9.

If the boot controller has already been set (i.e the system is being re-installed) skip to page 12

If the boot controller is configured for the Raid Array but the system disks have not yet been configured, the following boot up window is displayed.

Press <F7> to accept the default RAID configuration automatically.

If the Raid Array is not detected, the Boot Controller Order is probably not correct.

To set the Boot Controller Order, see the next section.

*Note :- If the Raid Array has already been configured, the <F7> option is not displayed.

```

MPTBIOS-5.05.16
HP Build

List of non INT13 devices from additional channels:

Slot Port ID LUN VENDOR  PRODUCT              REV  SYNC  WIDE  CAPACITY
-----
  0  00  7  0  LSILogic LSI1030-IT          1032340 320.0 16
  0  01  6  0  COMPAQ   SDLT320             5252
  0  01  7  0  LSILogic LSI1030-IT          1032340 320.0 16
Integrated Lights-Out 1.62 Aug 05 2004 <IP unknown>

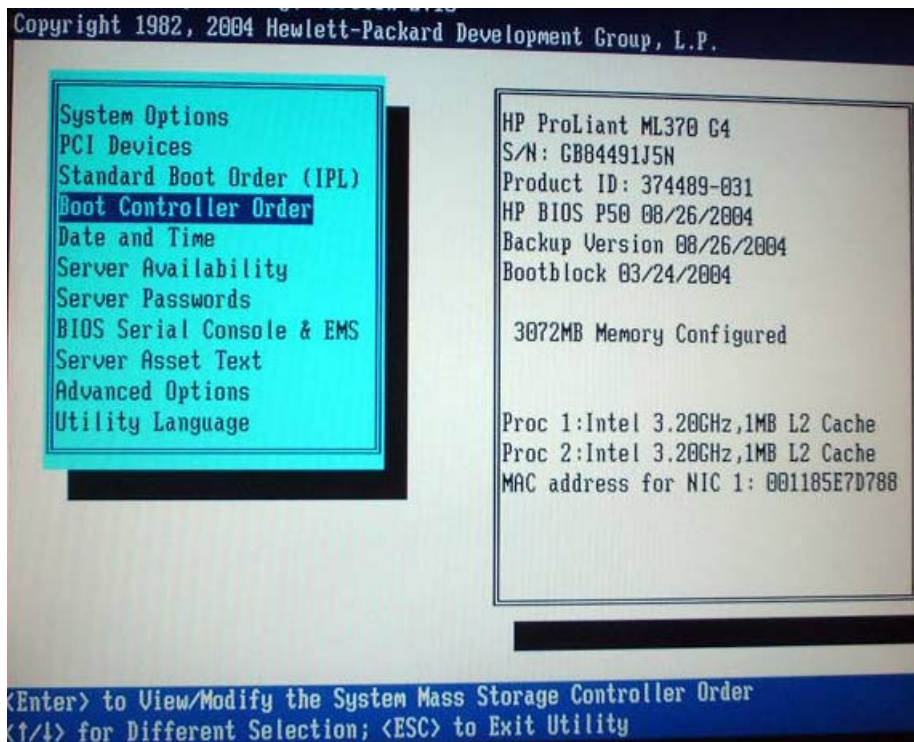
Slot 1 HP Smart Array 6400 Controller (192MB, v2.34) 0 Logical Drives
1785-Slot 1 Drive Array Not Configured
Run Array Configuration Utility

Press <F8> to run the Option ROM Configuration for Arrays Utility
Press <F7> to Accept the default configuration - 3 drives in RAID 5

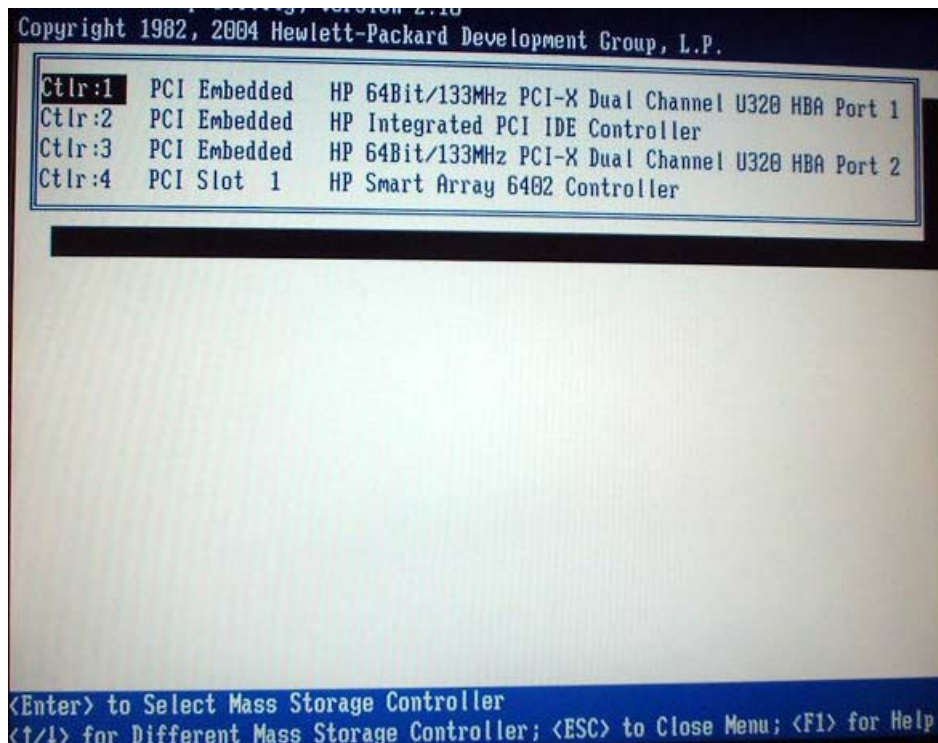
Note: For more configuration options use the HP Array Configuration Utility

```

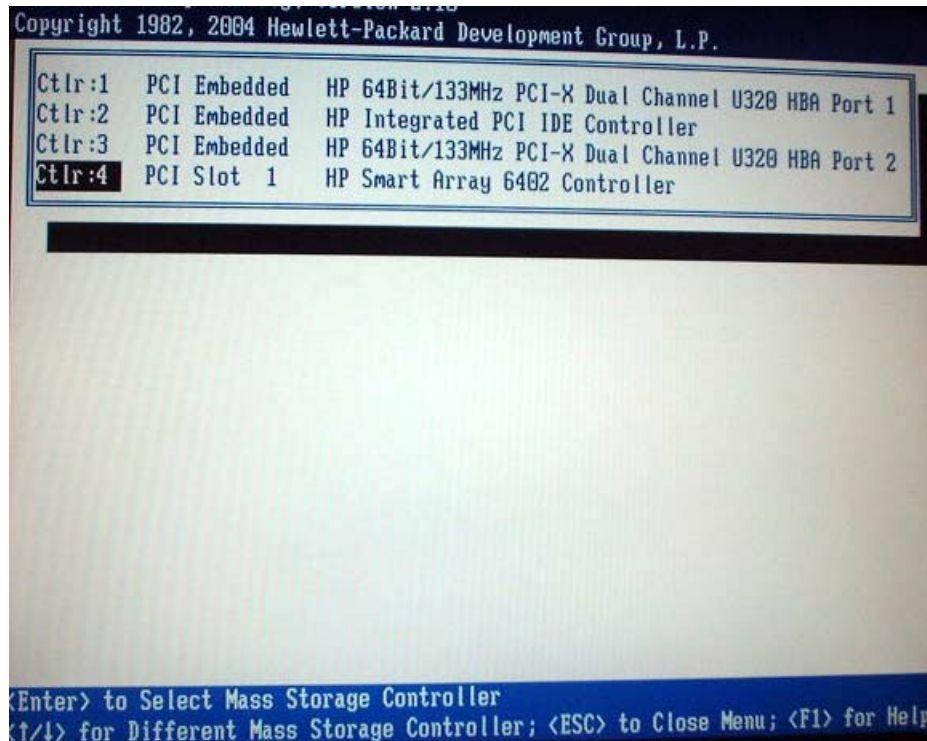
During bootup select the “<F9>” option. The following window is displayed. Select “Boot Controller Order” option.



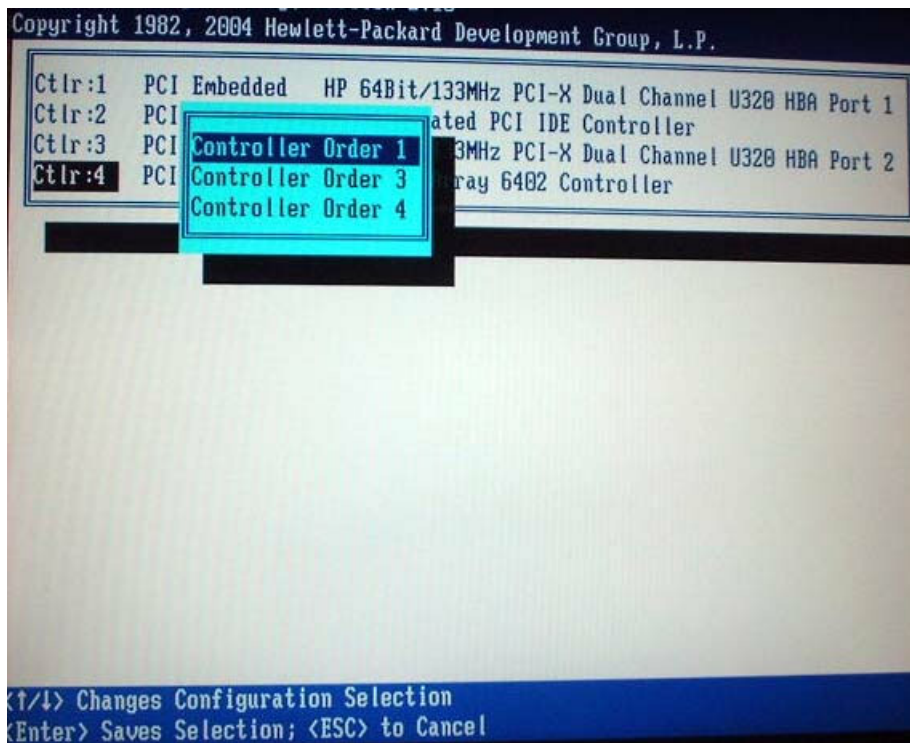
The following window is displayed.



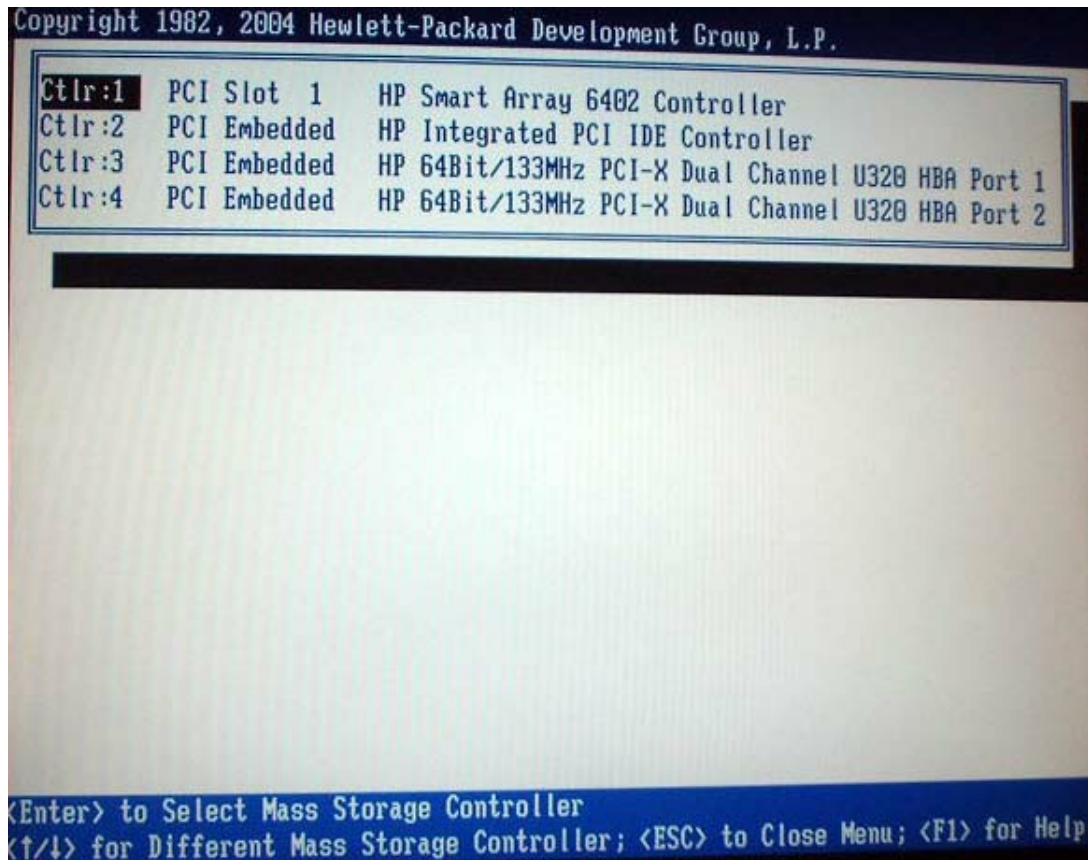
Select the “HP Smart Array 6402 Controller”. Press the Return Key.



Select “Controller Order 1”



The “HP Smart Array 6402 Controller” should now be shown as “Ctrl:1”



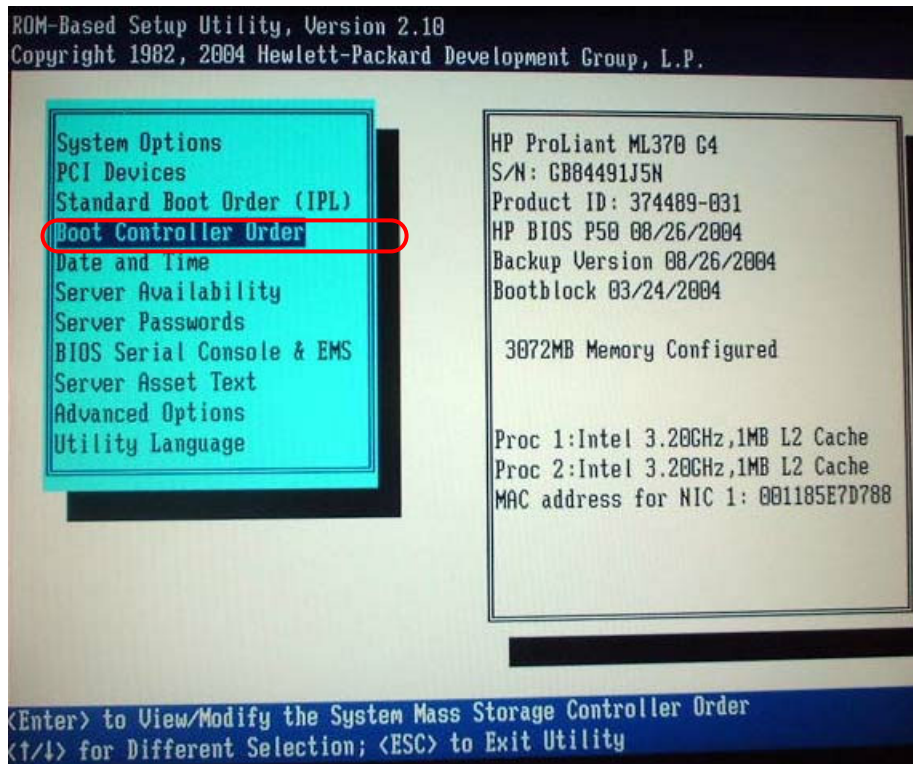
Press the “ESC” key
Skip to Page 11 to continue the configuration.

1.12 Selecting the correct boot controller order for systems without a RAID Controller

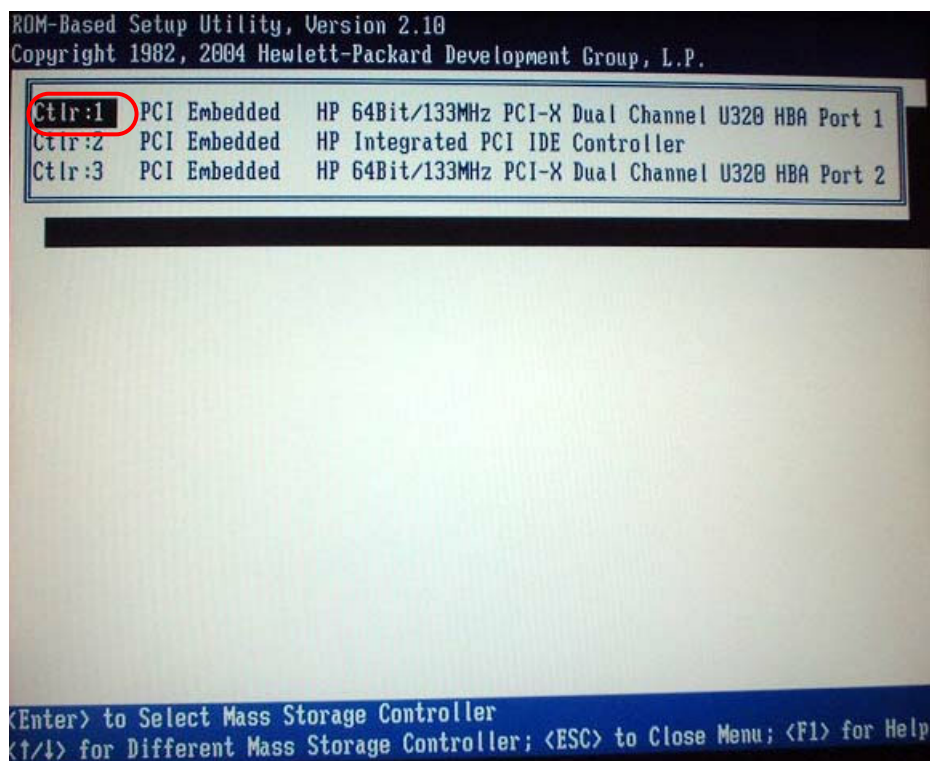
During bootup, press the “F9” key when prompted .

If you forget to press the “F9” key when prompted you will need to restart the platform.

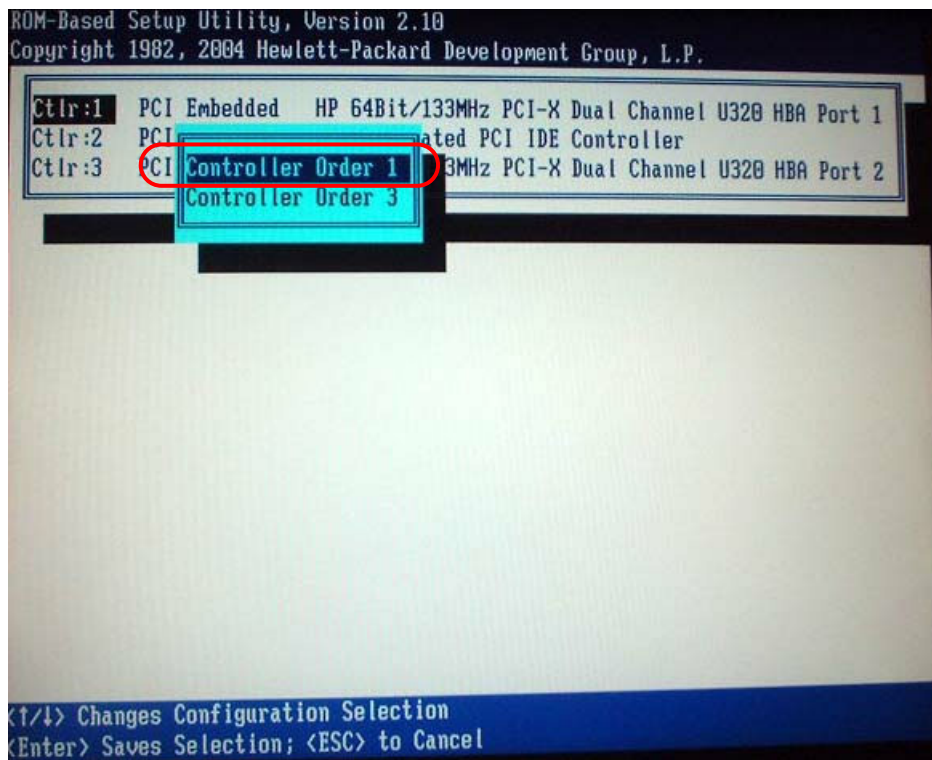
After pressing the “F9” key the following window is displayed. Select “Boot Controller Order”



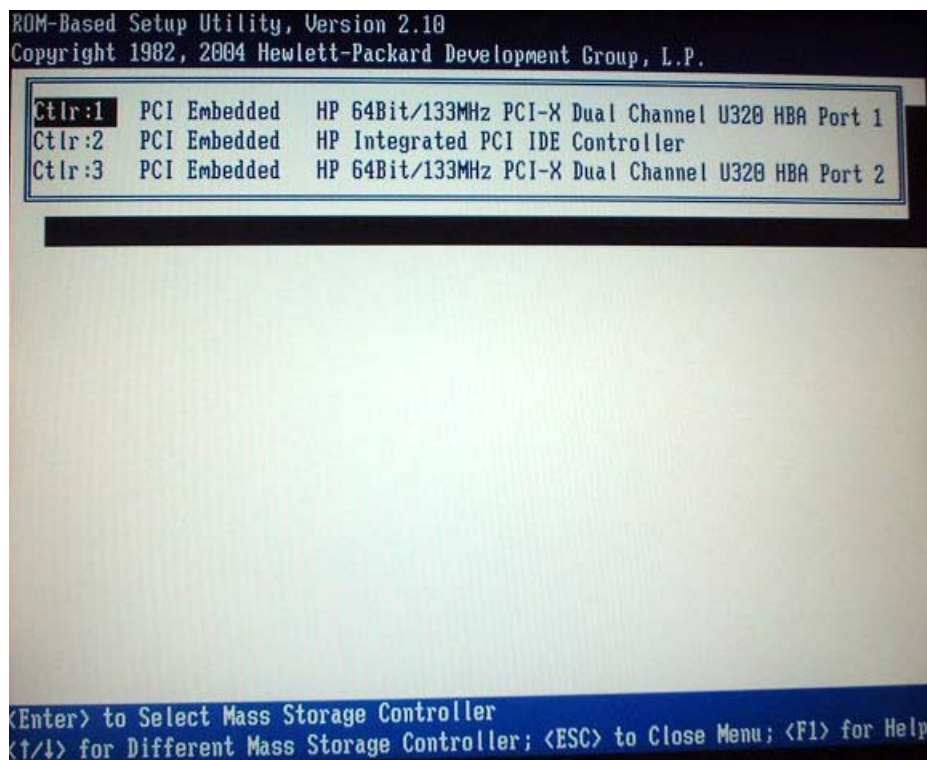
The following window is displayed. Ensure “HP 64Bit/133Mhz PCI-X Dual Channel U320 HBA Port1” PCI-X Card is selected as “Ctrl:1”



If it is not correct, select the card on Port 1 and change to “Controller Order 1”, as shown below.

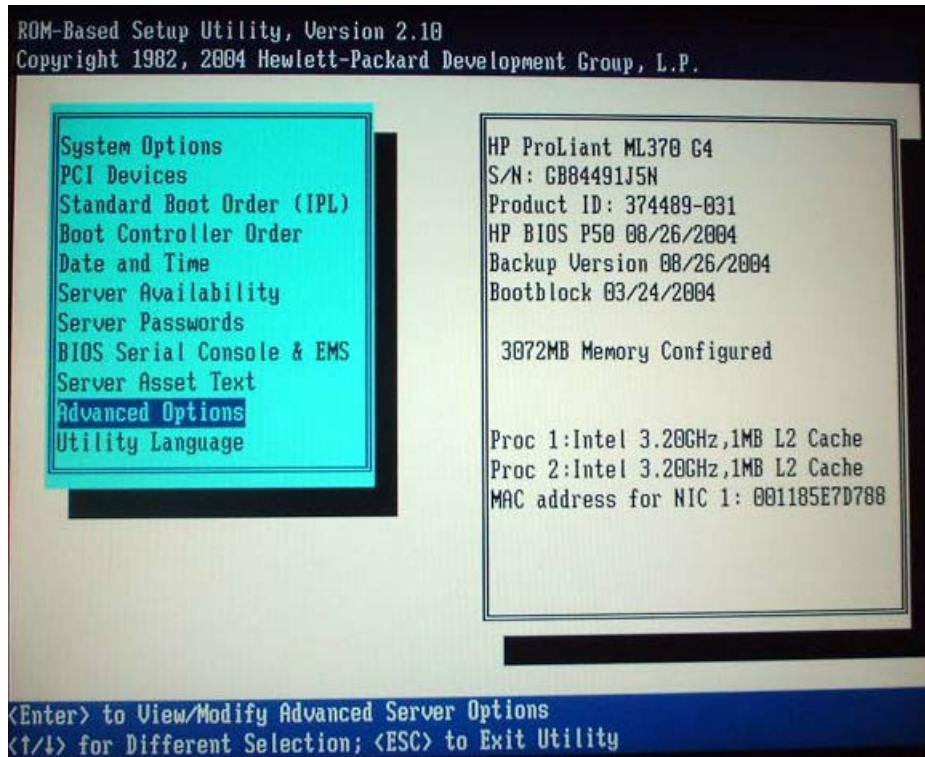


Press the “ESC” key to exit this window.

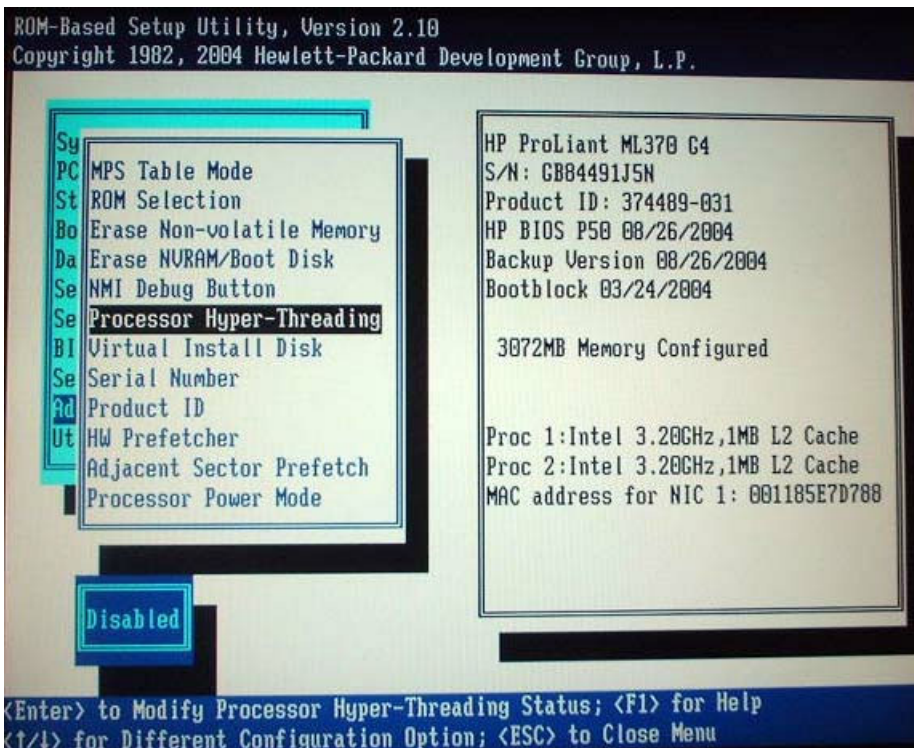


1.13 Disable “Processor HyperThreading”

Select “Advanced Options”



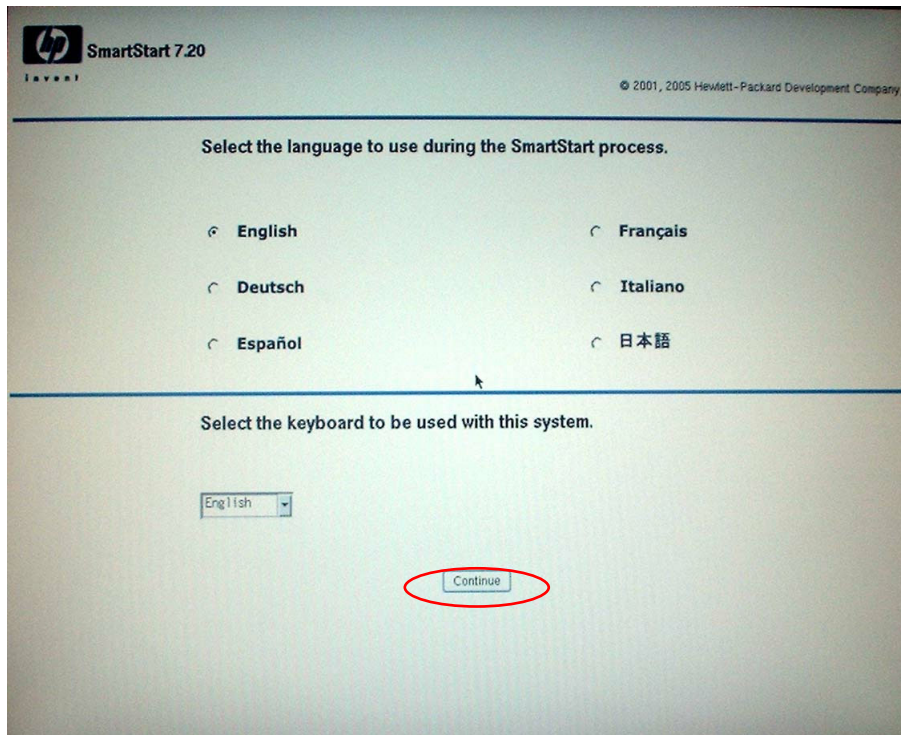
Select “Processor Hyper Threading” and ensure it is disabled.



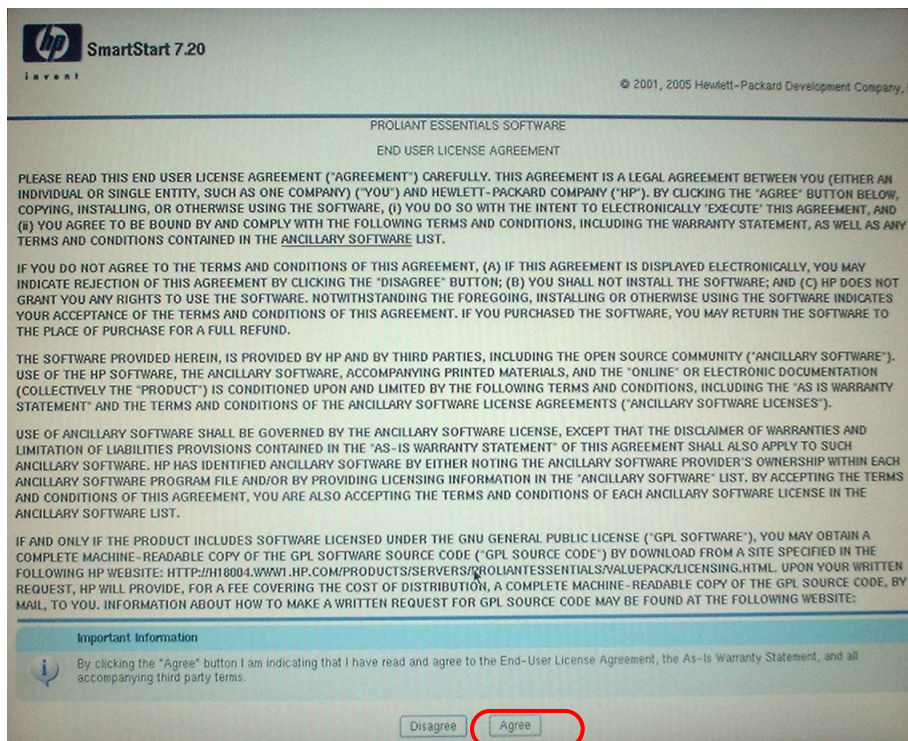
Press the “Escape” key twice and select F10 to save the changes.
 The System will now reboot.

2.1 SmartStart Configuration

When the system has booted the following window is displayed.



Select “Continue”, the following window is displayed. Select the “Agree” button.



For systems without a RAID Card, goto Page 18

2.11 Manual Smart Array Controller Configuration.

If the Raid Card has already been configured using the Automatic configuration (<F7>) option, this section can be skipped. Goto Page 17.

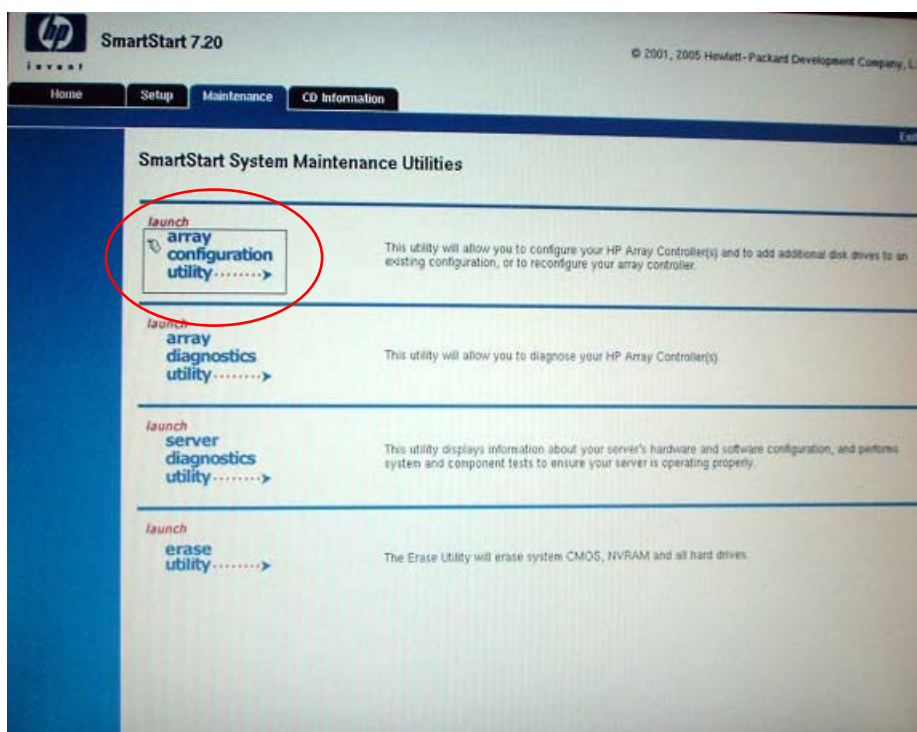
The following window is displayed.



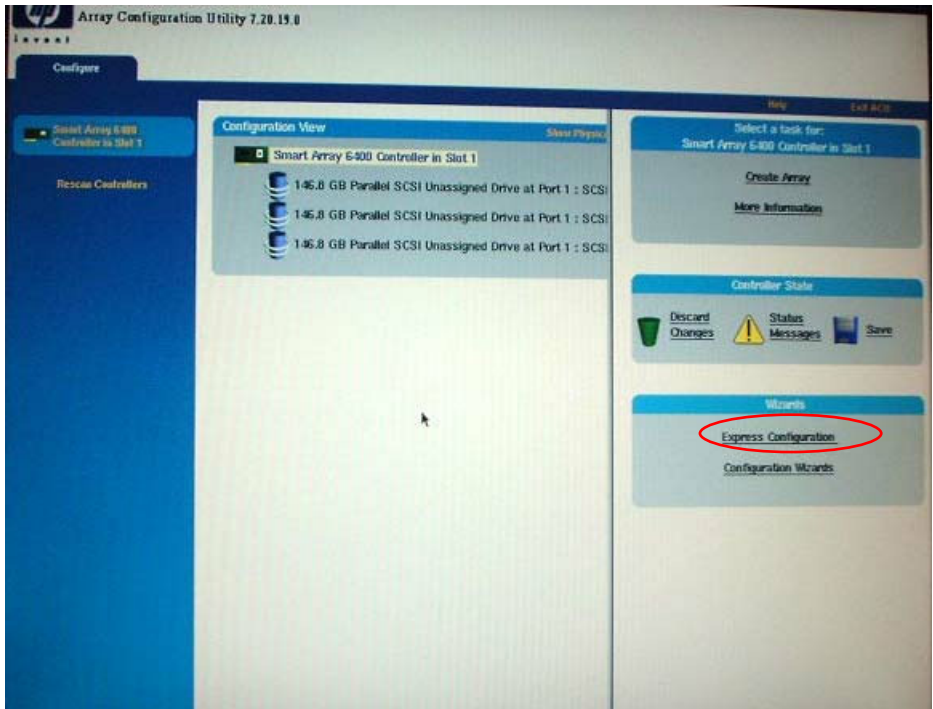
Select the “Maintenance” tab. A window, similar to the following is displayed.

For systems without a Raid Controller, skip to page 18

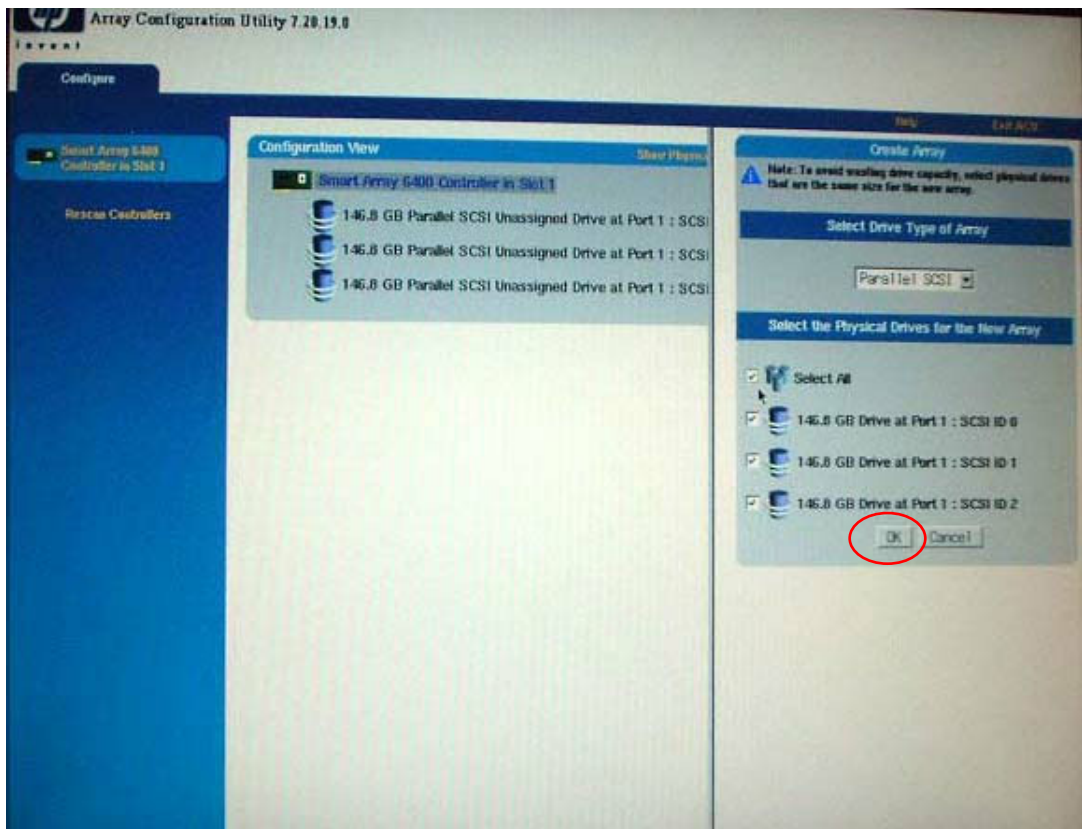
Select the “array configuration utility”.



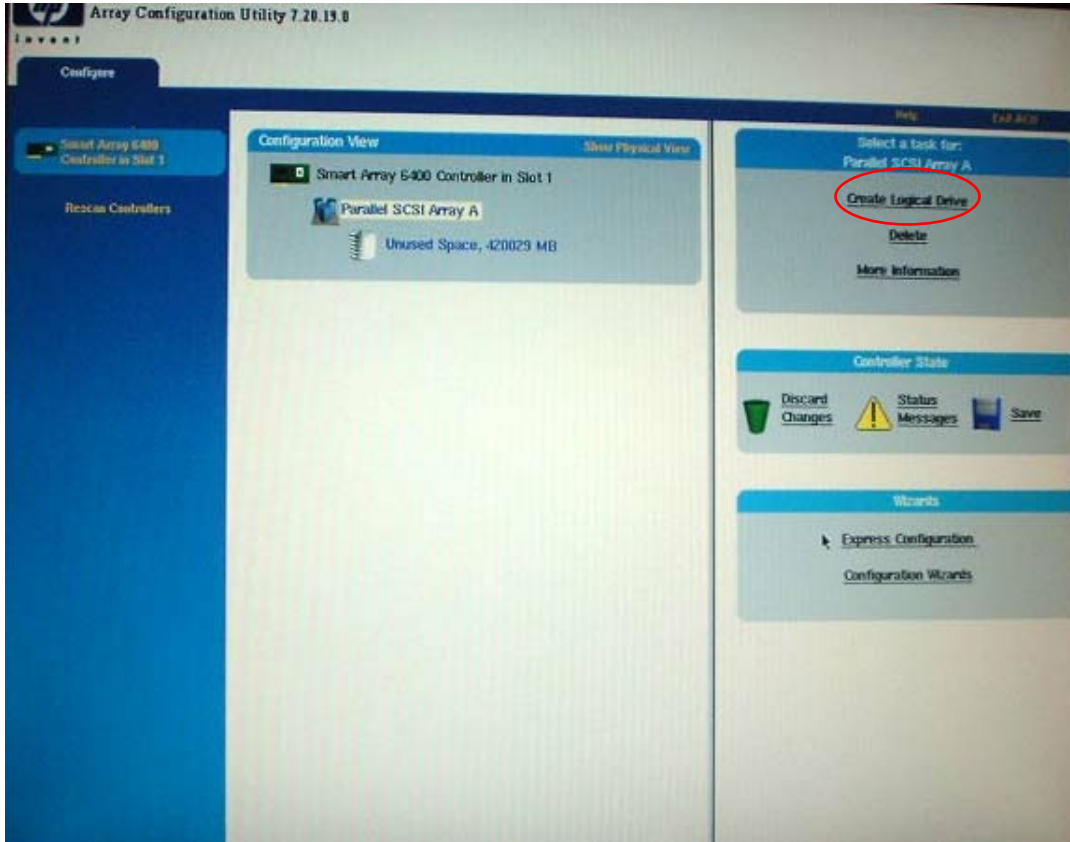
A window similar to the following is displayed. If the system has previously been configured then a Logical drive will be present. If this is the case exit the “ACU” utility and proceed from page 17.



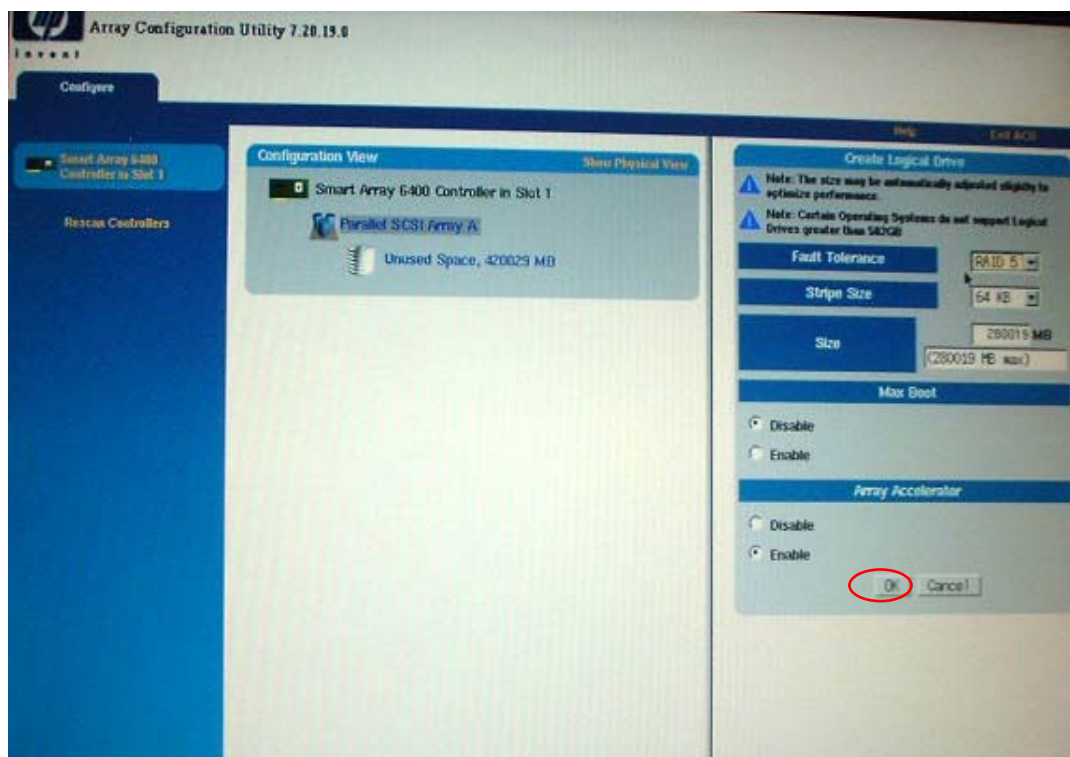
Select “Express Configuration” . The following window is displayed. Select the “OK” button.



Select "Create Logical Drive".

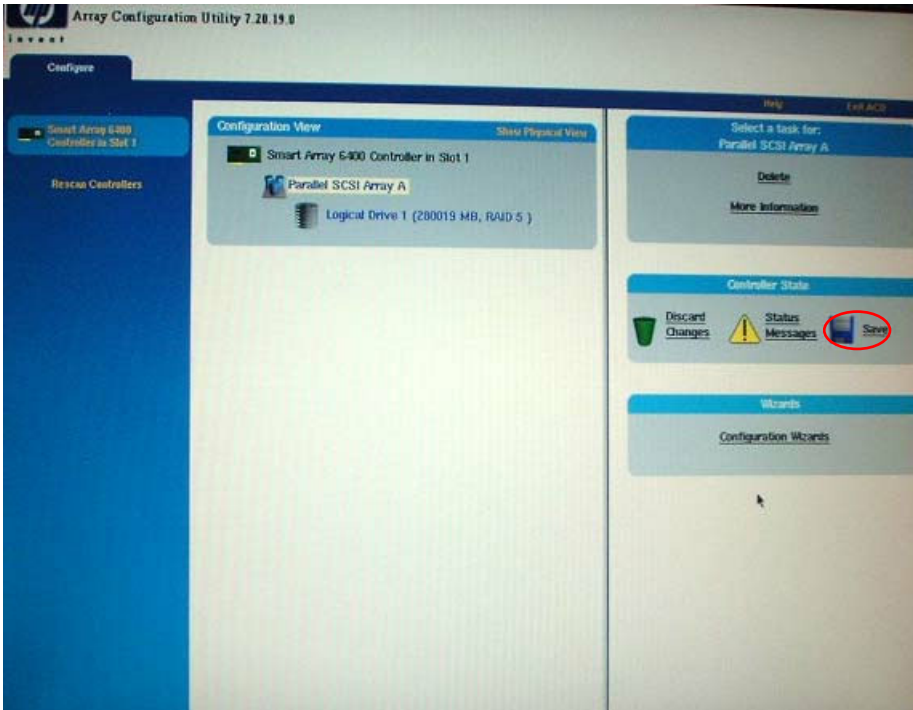


Note:- For Raid arrays with more than 3 disks - If a request to create a spare disk is displayed select "NO" - (Unless the system has been specified to include a spare disk). Select the "OK" button.

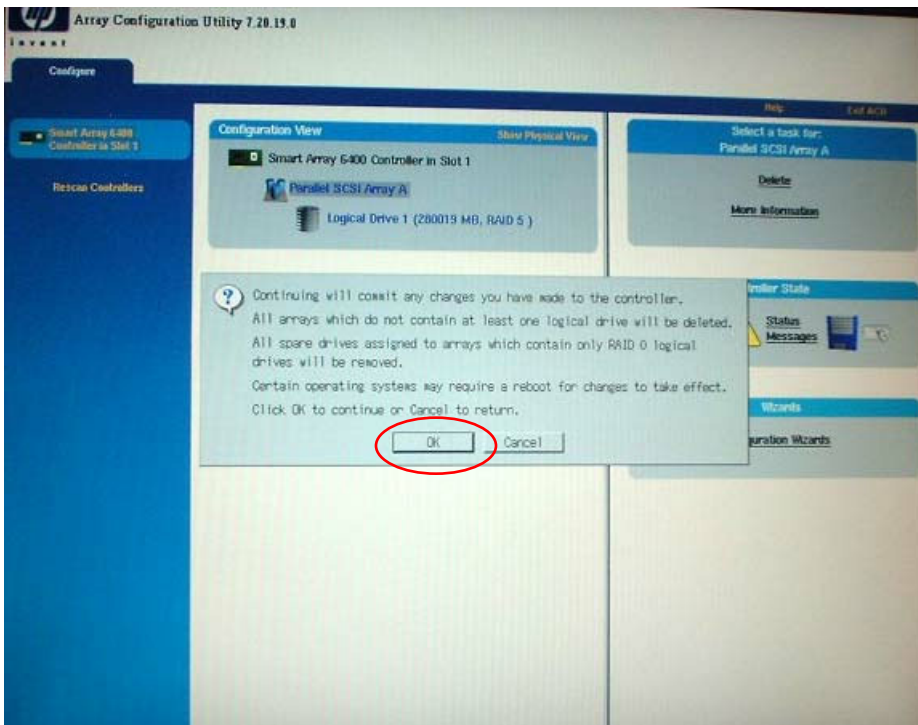


The following window is displayed.

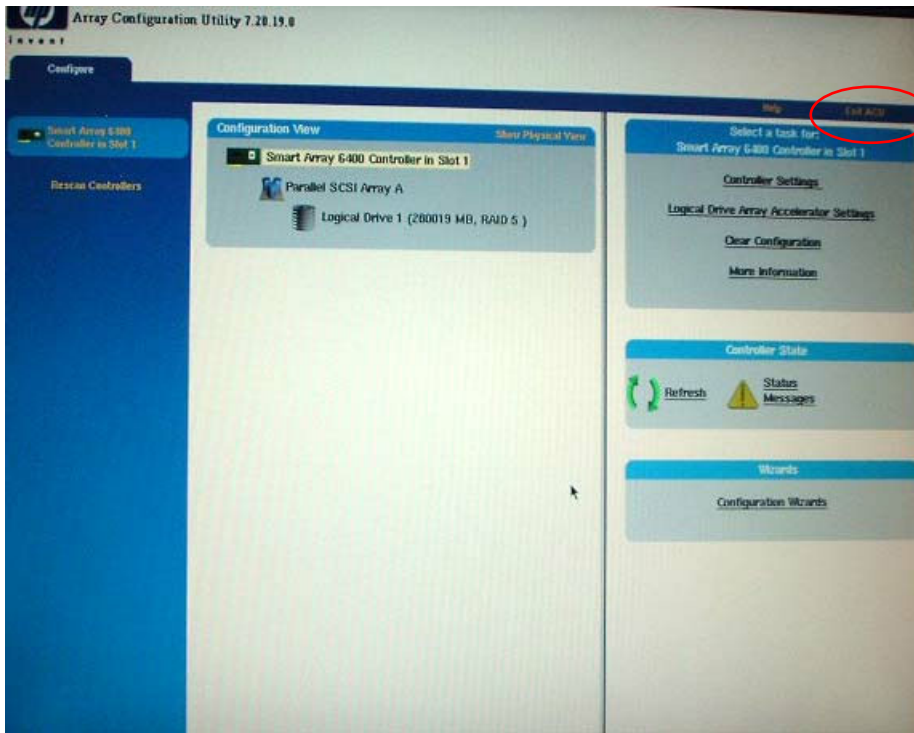
Select “Save” to save the configuration.



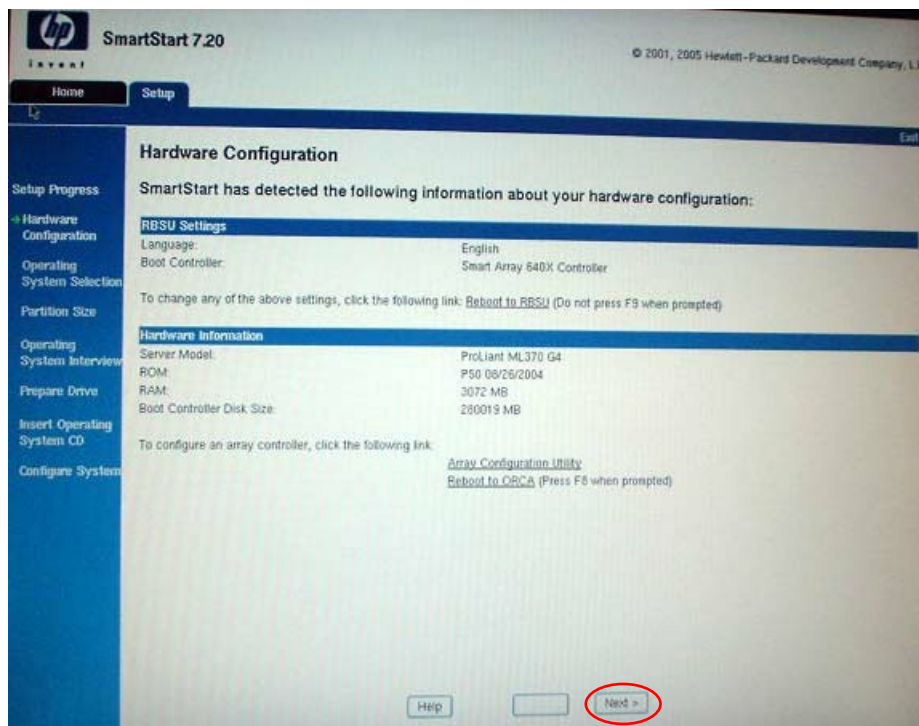
If the following window is displayed , select the “OK” button.



If the ACU Utility window is open , exit the “ACU” utility.



The following window is displayed. Select the “Next” button and skip to Page 19.

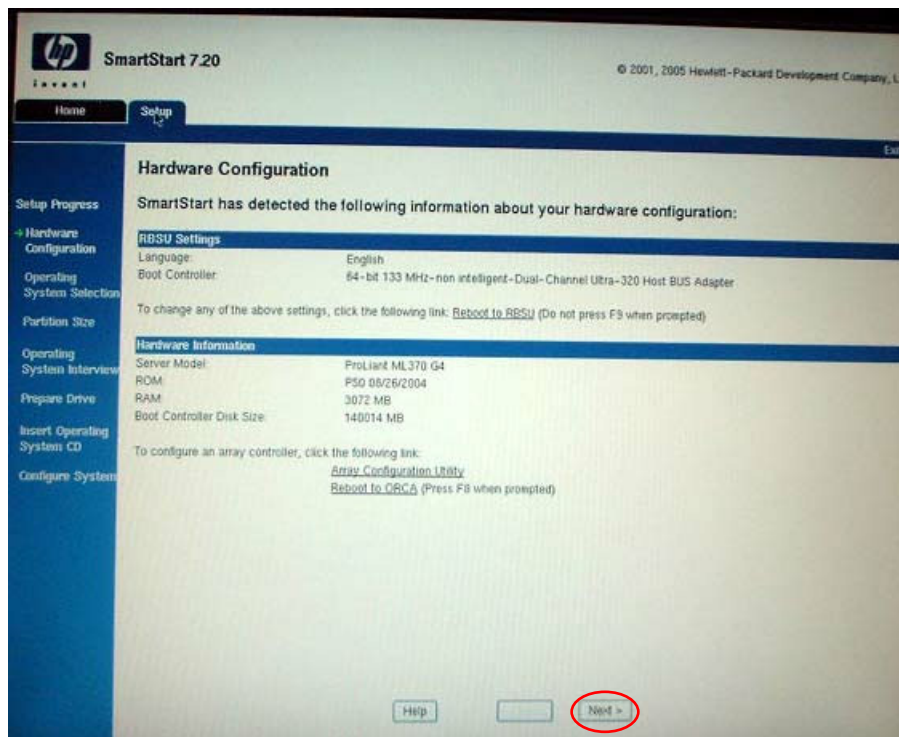


For Systems without a RAID Card :-

Select the “setup” tab.

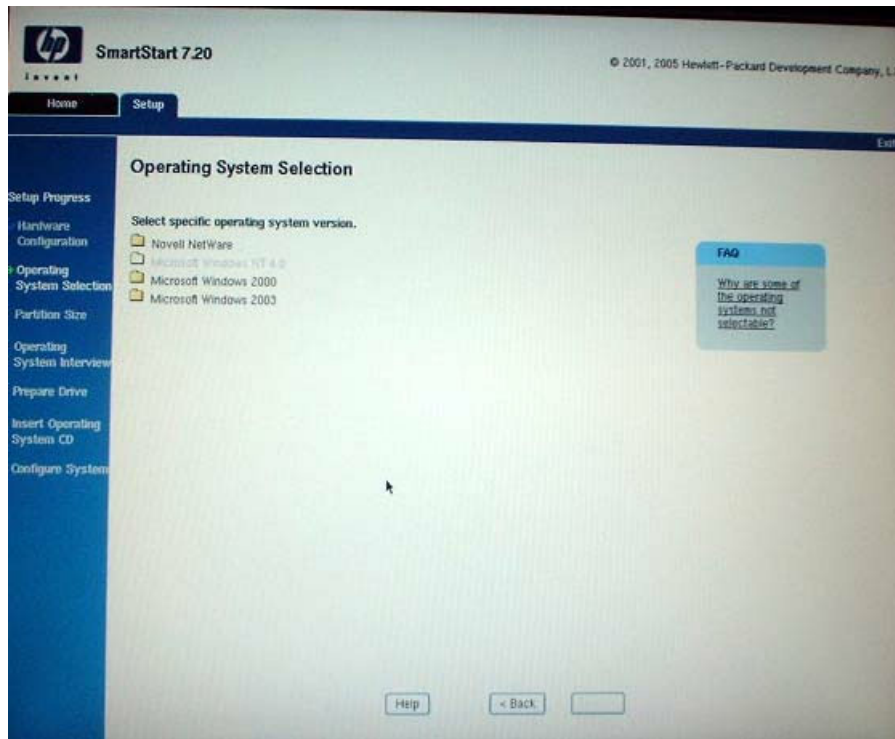


The “Hardware Configuration” screen is displayed. Select the “Next” button.

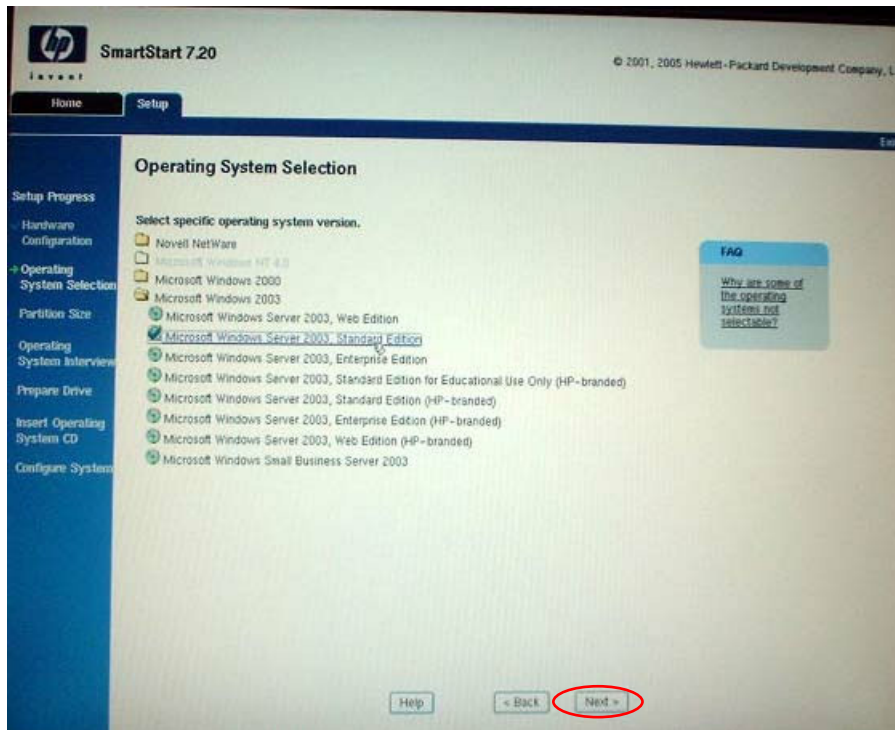


2.12 Windows 2003 Server Installation

Select “Microsoft Windows 2003 Server”

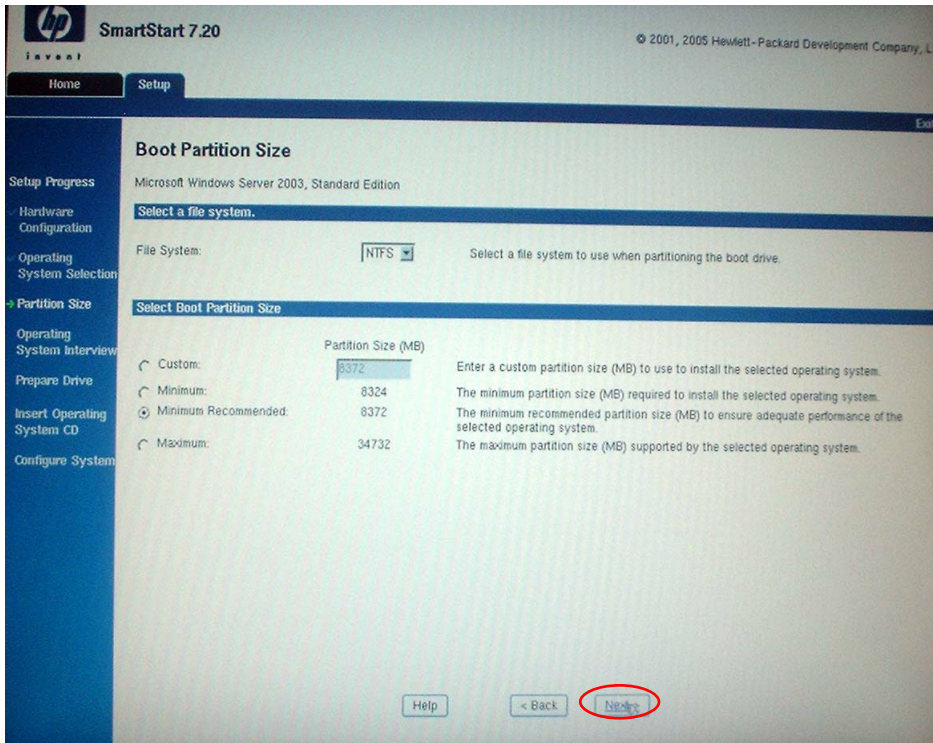


Select “Microsoft Windows Server 2003 Standard Edition”



Select the “Next” button.

A similar window to the following is displayed.



Select “Minimum Recommended” . **The partition size of “8372” should be selected.**

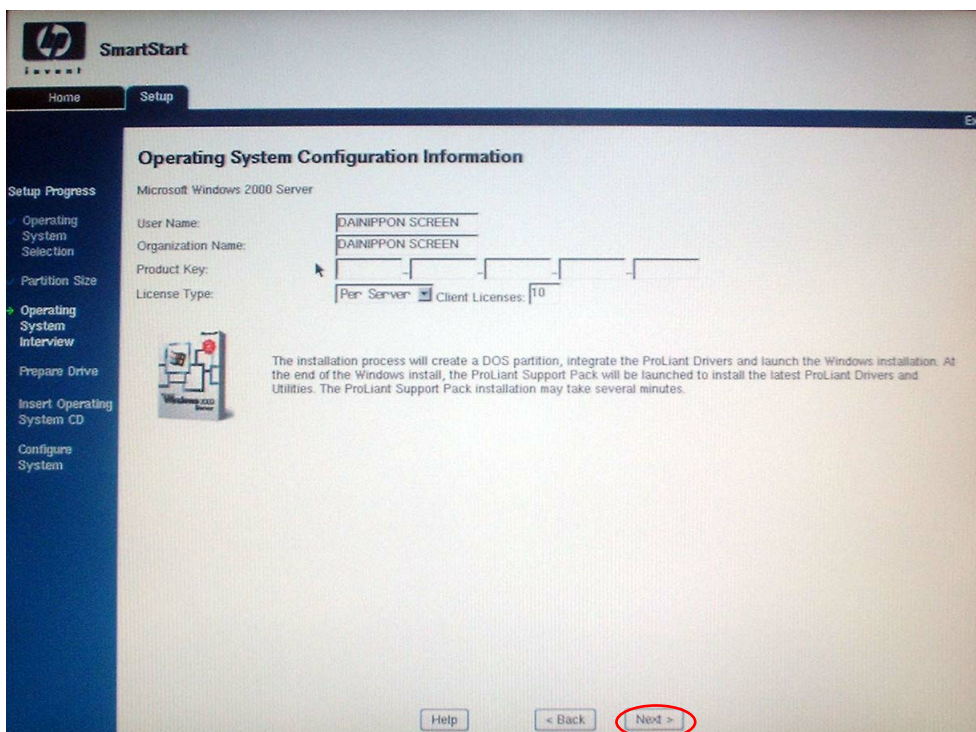
Select the “Next” button to continue.

The following window is displayed.

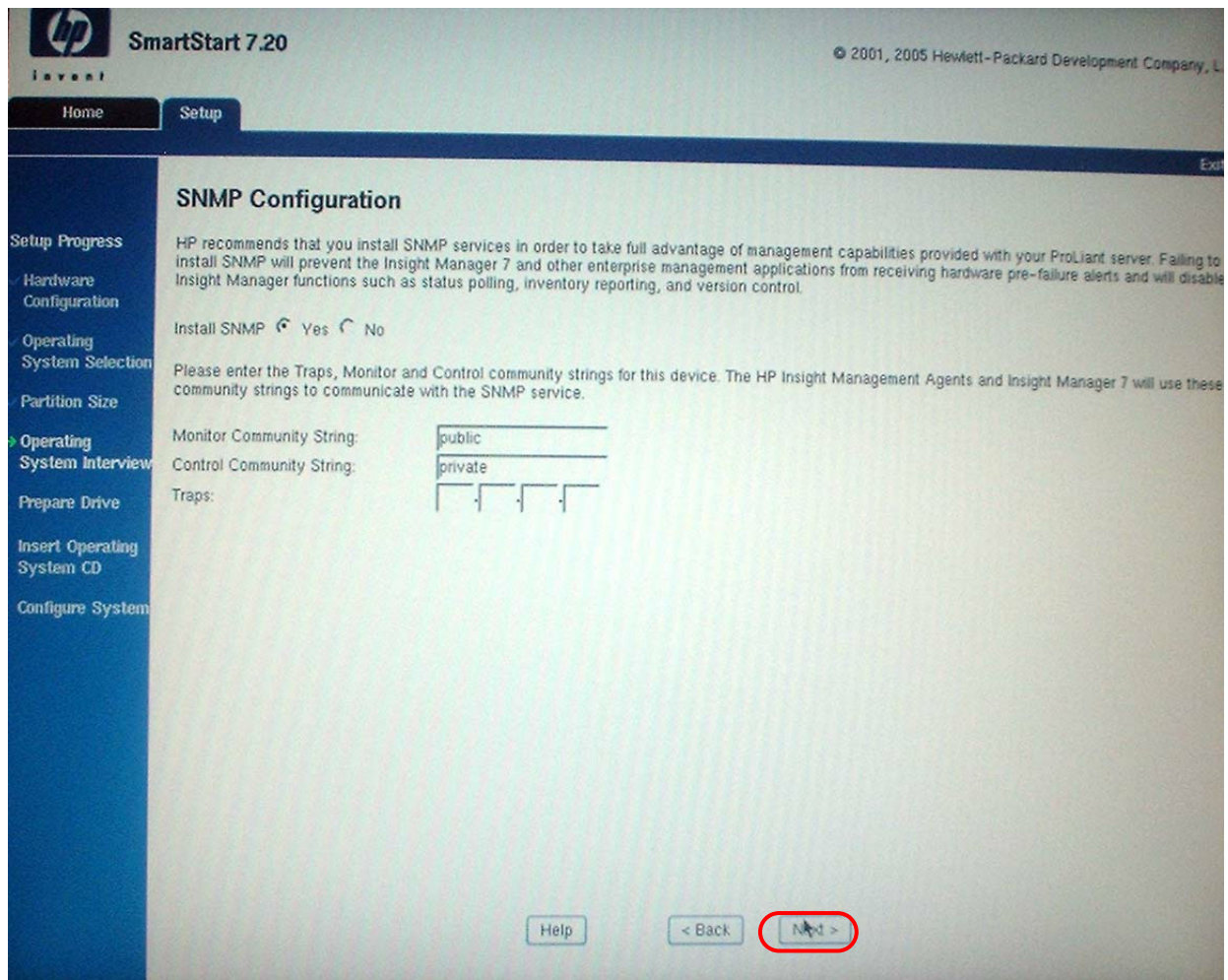
Enter in the “Product Key” information from the “Windows 2003 Server” CD.

Select “License Type” > Server and the number of “Client Licenses”, For example = 10

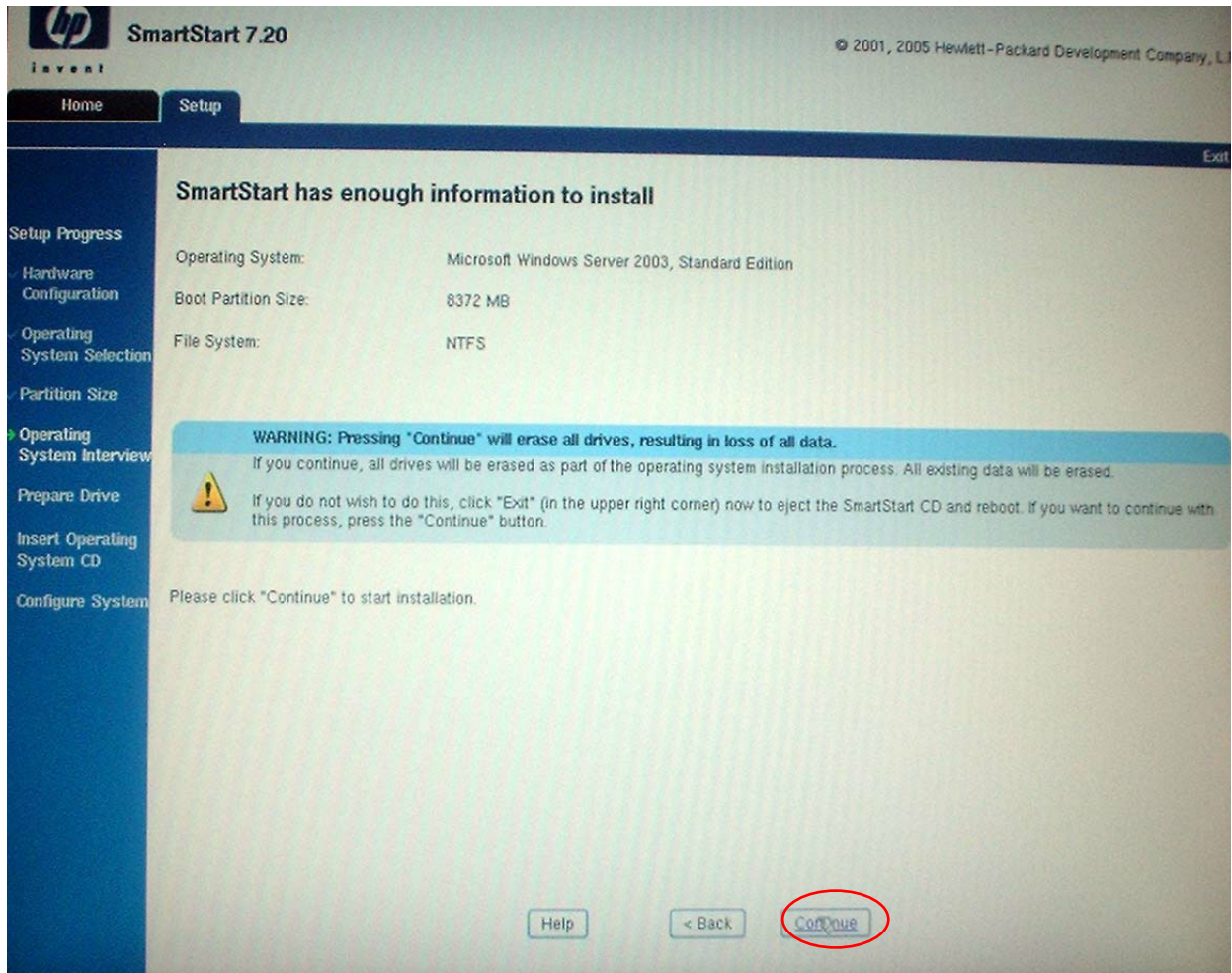
Select the “Next” button.



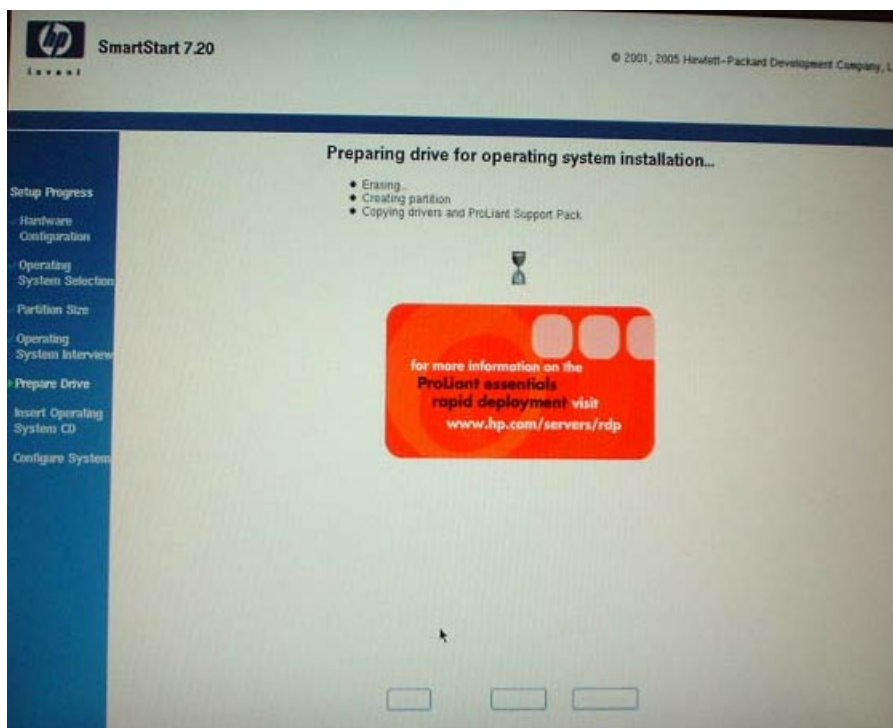
The “SNMP Configuration” window is displayed.
Select the “Next” button.



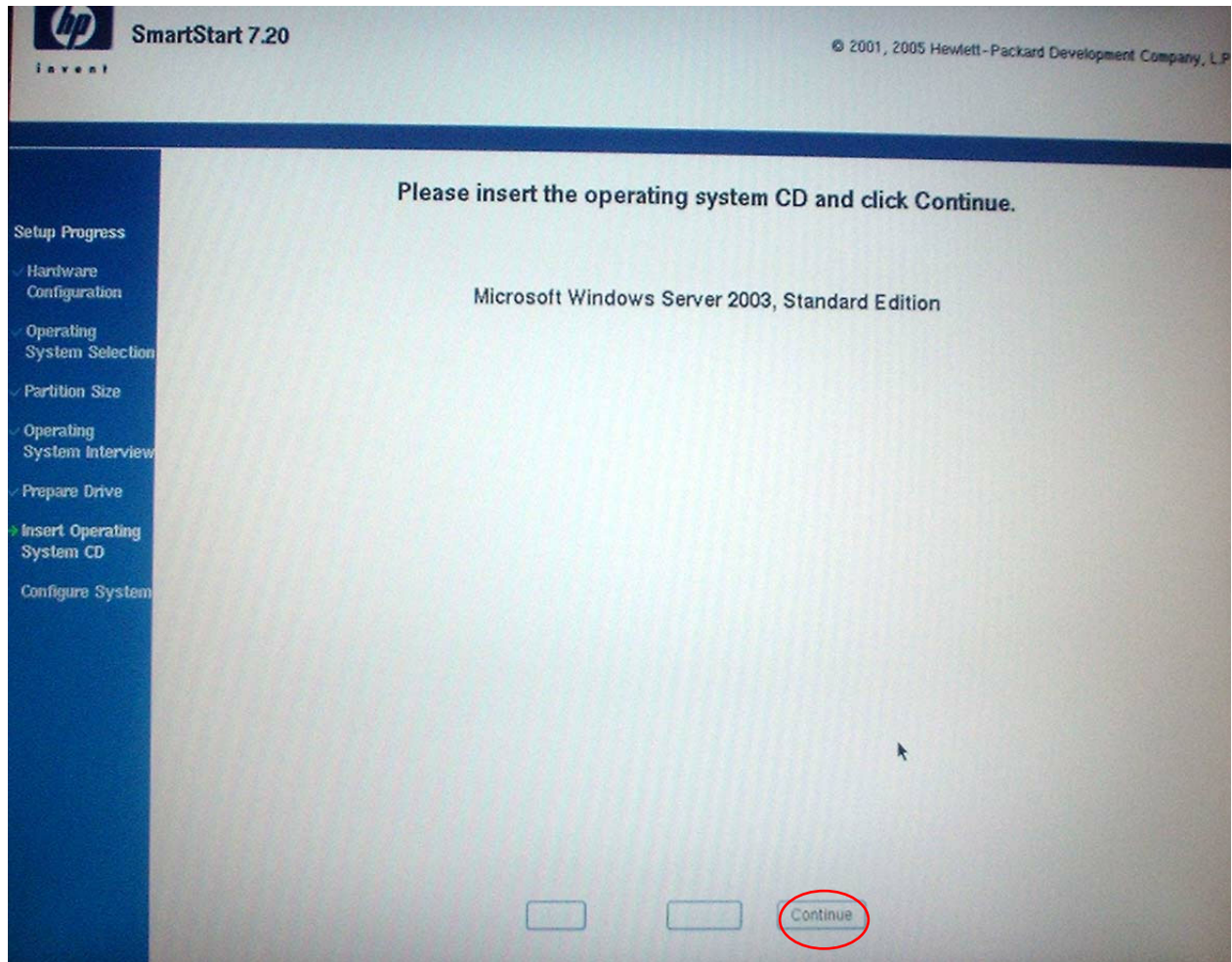
Select the “Continue” button to start the installation .



The following window is displayed.

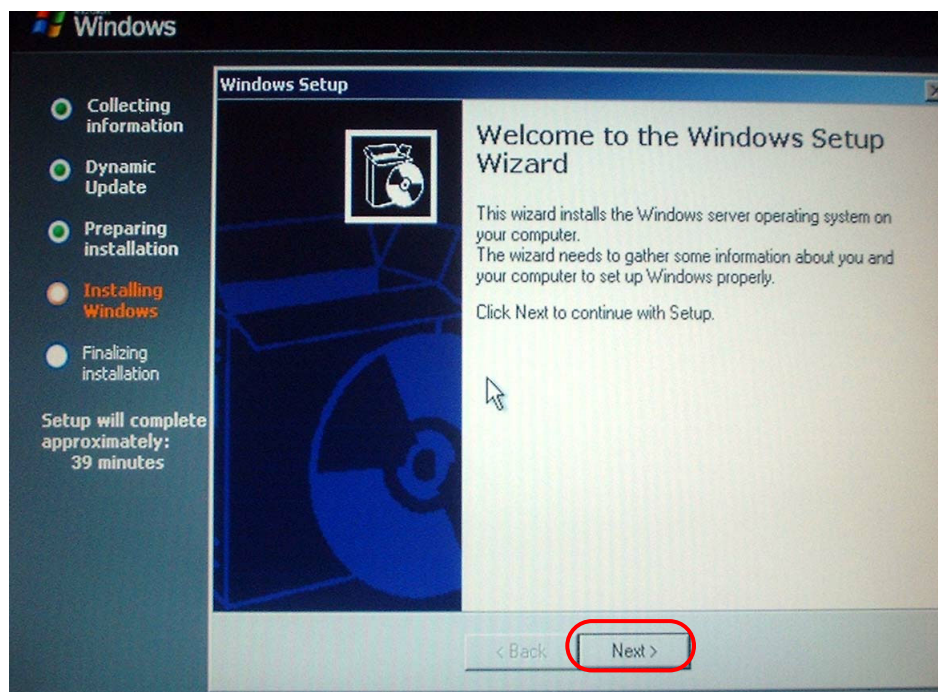


After some configuration, the following window is displayed.
Remove the “Smartstart CD “ and insert the “Windows 2003 Server Standard Edition” CD.
Click the “Continue” button.

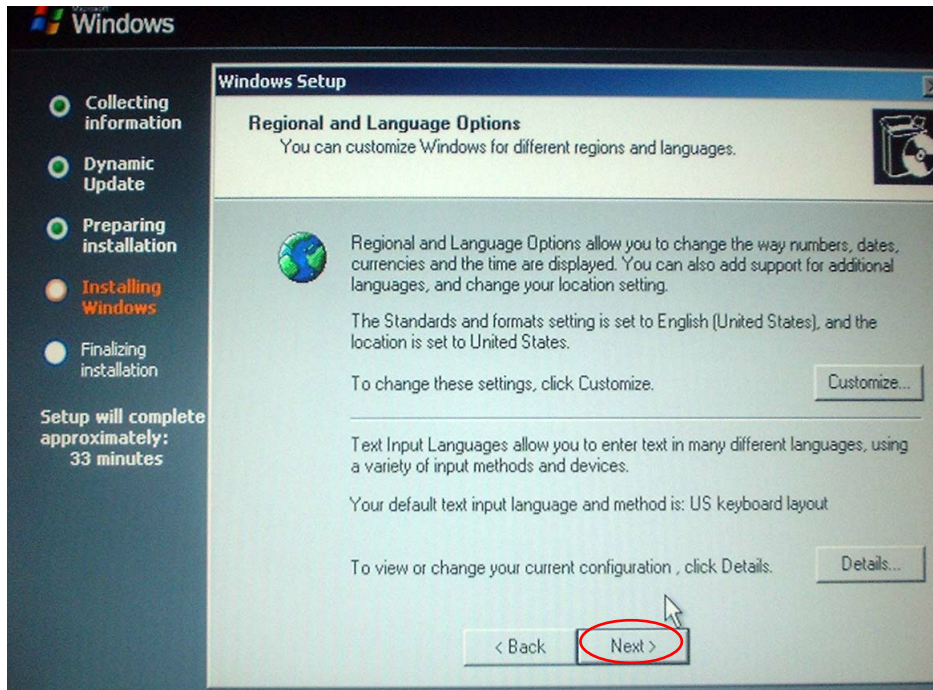


The system will now install the “Windows 2003 Server” OS, this will involve some rebooting.

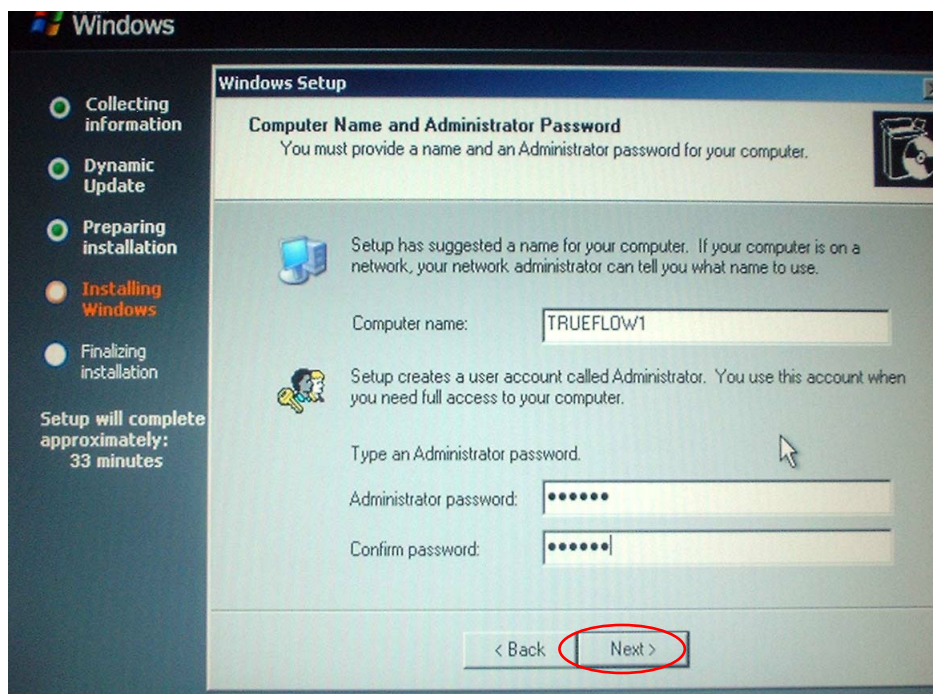
After rebooting the following window is displayed . Select the “Next” button.



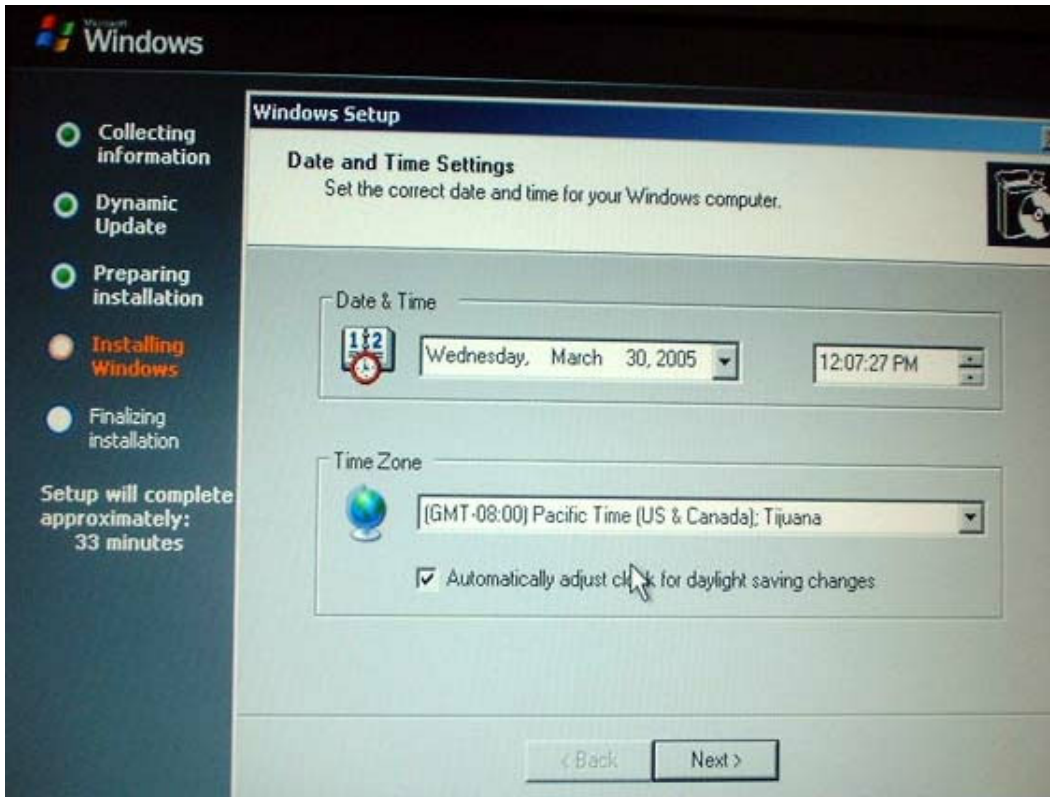
The “Installing Devices” window will then be displayed. After completion (about 3 minutes), the “Regional Settings” window is displayed, select the “Next” button.



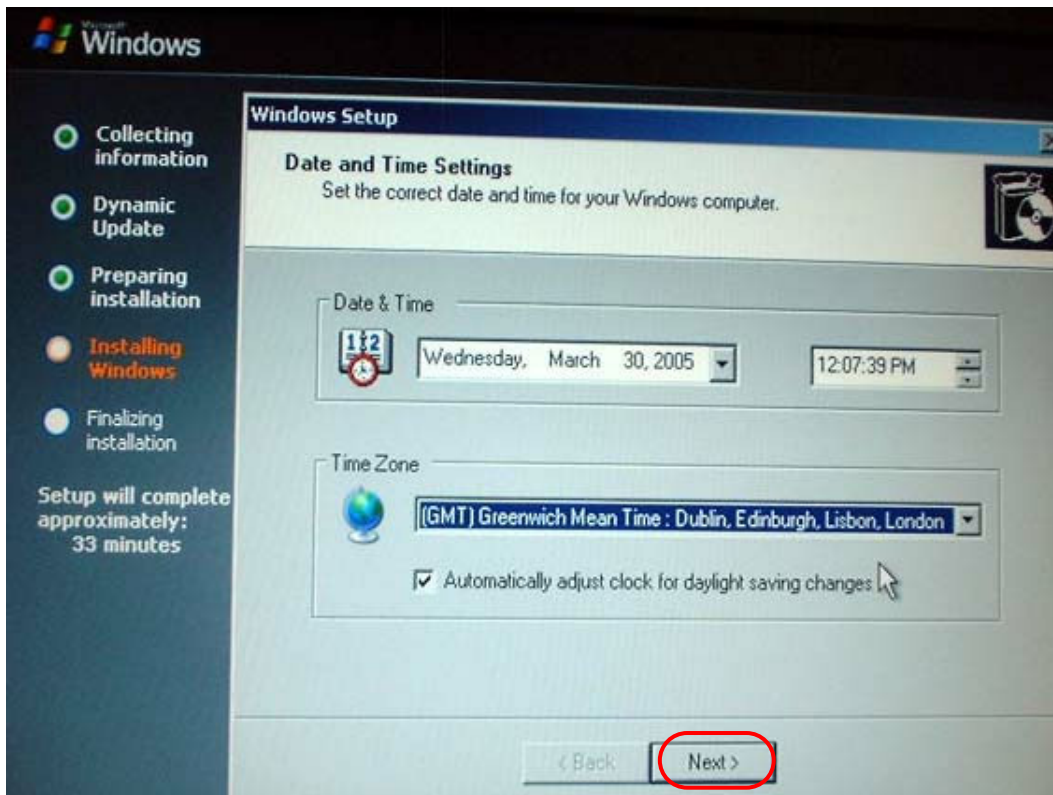
The following window is displayed. Enter in the “Computer Name” “TRUEFLOW1” and the “Administrators Password” of “screen”. Select the “Next” button.



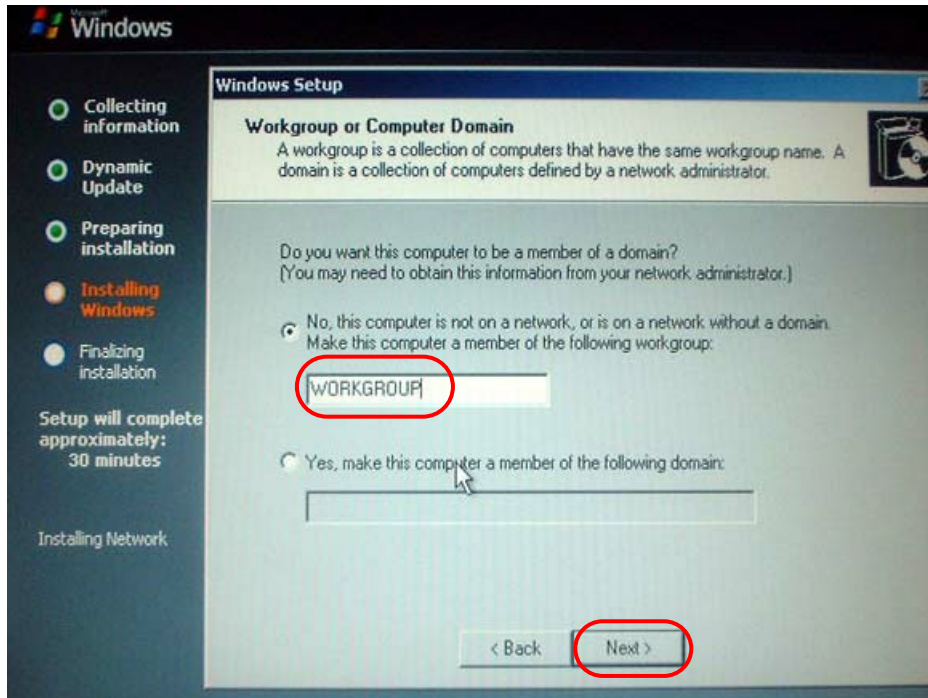
The Time Zone Window is displayed.
Enter the correct Date and Time.



Select the local Time Zone, for example “GMT”. Select the “Next” button.



Enter the Workgroup name you want to use. For example , “WORKGROUP”.
Select the “Next” button.

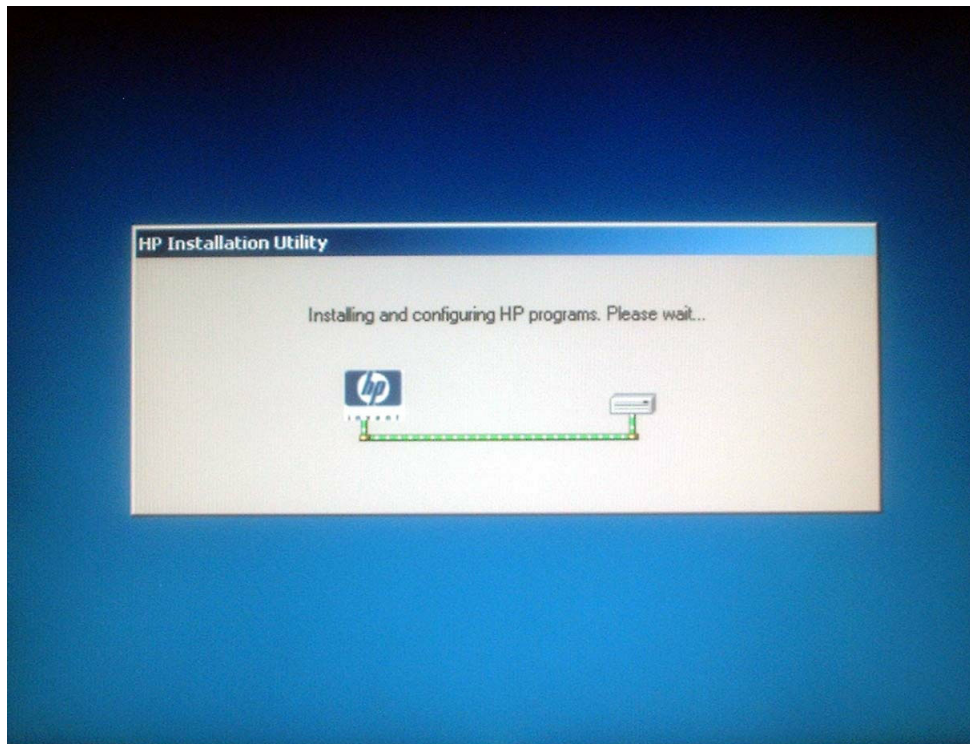


The “Installing Components” and “Performing final tasks” window is displayed .

The system will reboot automatically.
After the system has rebooted, login as “Administrator”.



The following window is displayed. After about 8 minutes the system will shutdown and restart.

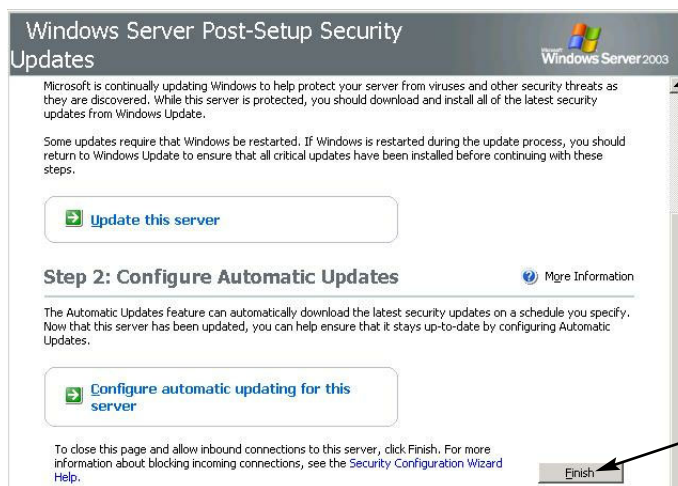
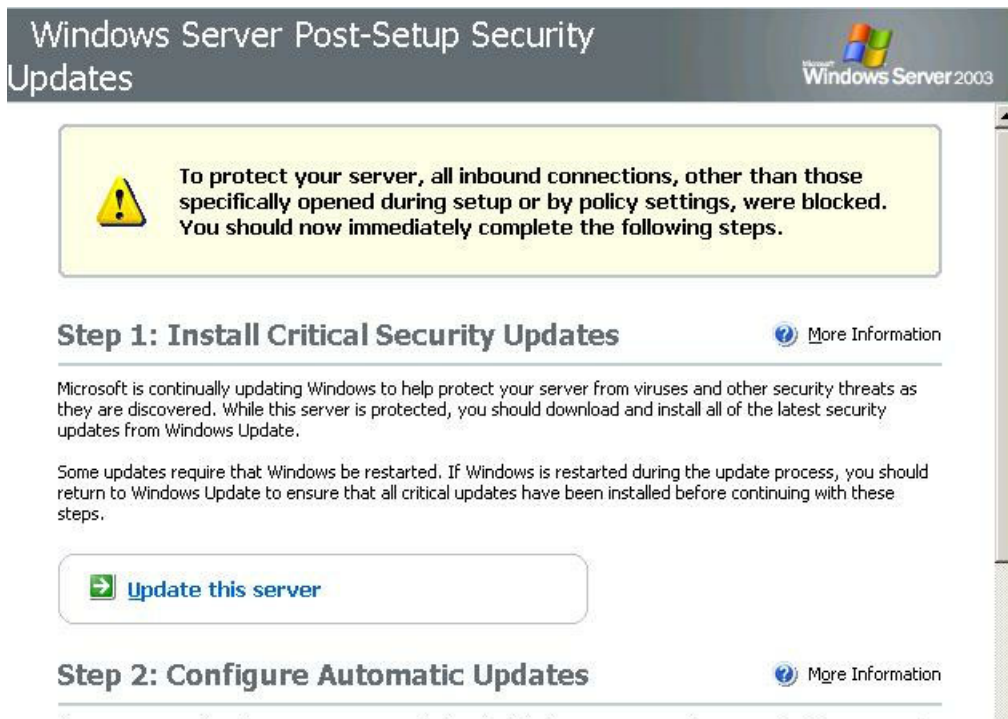


3.1 Windows 2003 Configuration

When the system has booted up, login as “Administrator”.

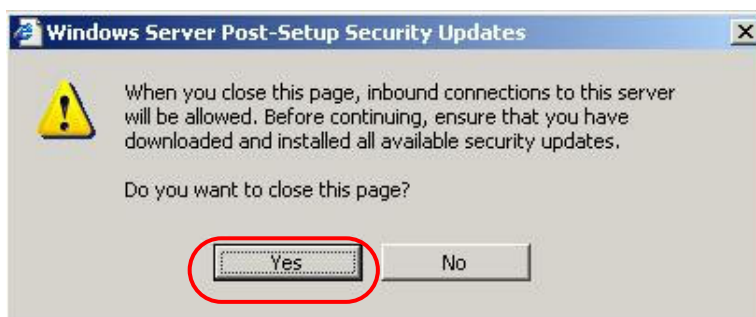
If installing from the Windows 2003 Standard Edition CD (SP1 included) -

The following window maybe displayed. If not, continue to the next page.

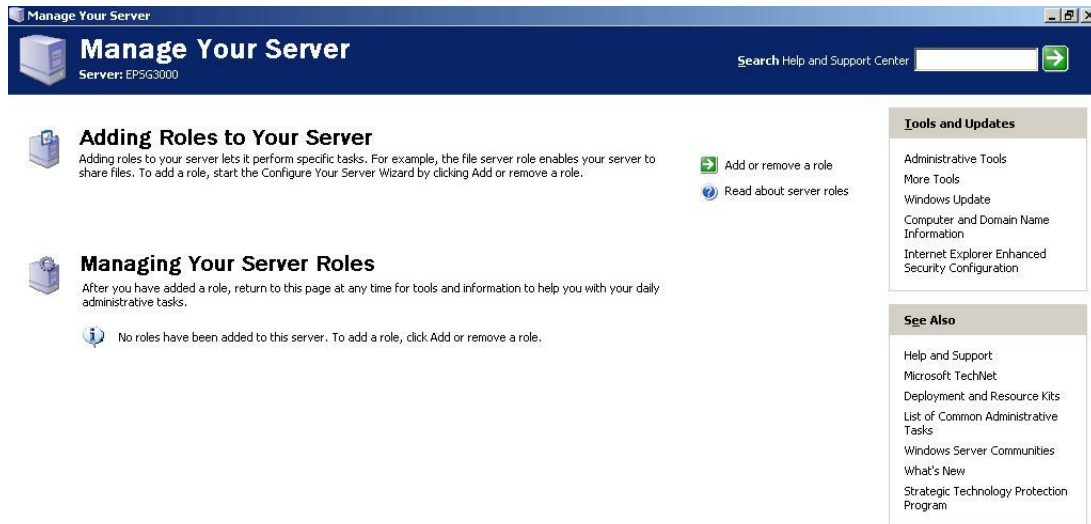


Scroll down and select the “Finish” button.

Select the “Yes” button.

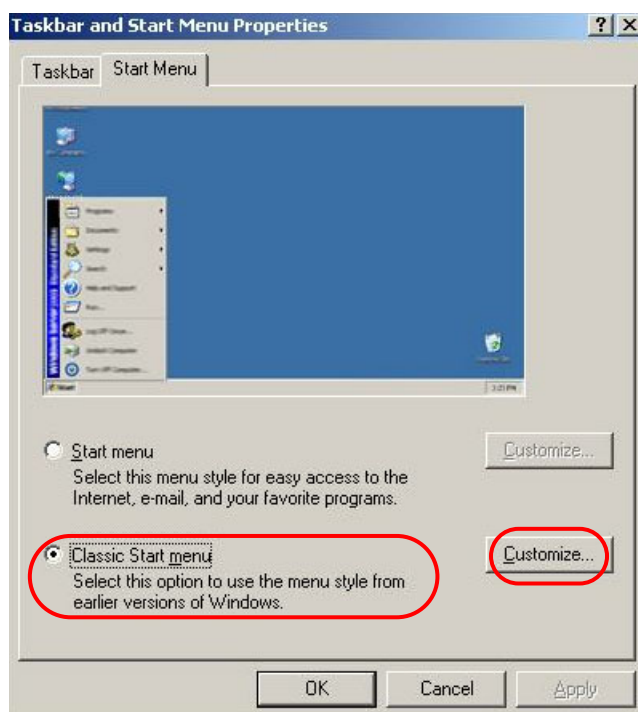


The following window is displayed.

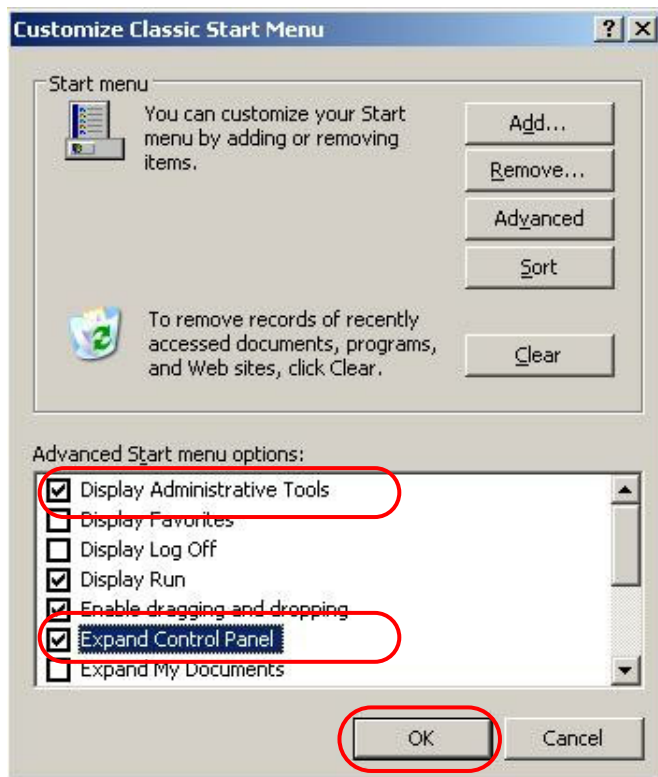


Tick “ON” the “Don’t display this page at Logon” box and close the window.

Right-Click on the Start Menu. Select “Properties” . The Following window is displayed. Select “Classic Start Menu”. Select the “Customize” button

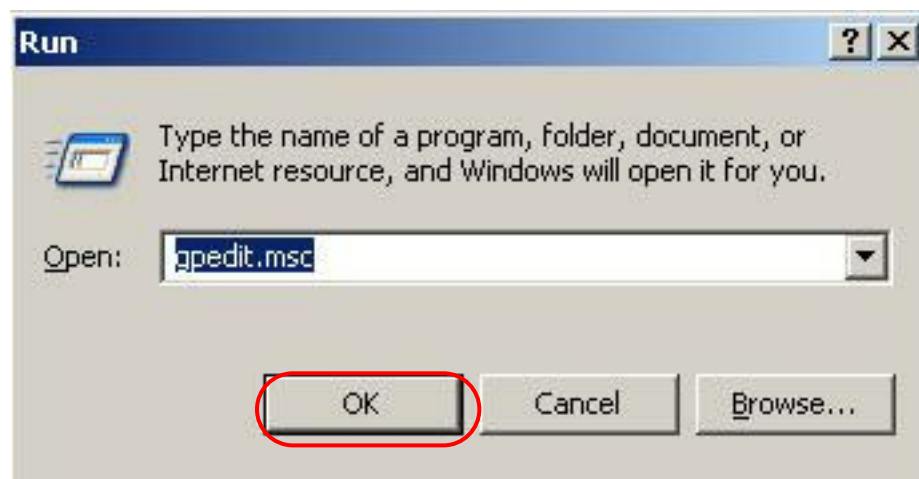


Tick “ON” “Display Administrative Tools” and “Expand Control Panel”.
Select the “OK” button.

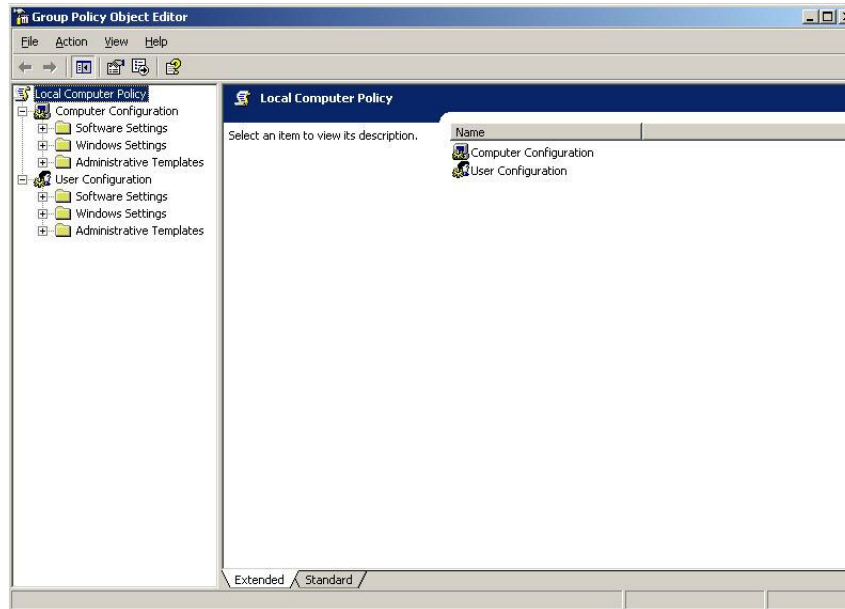


3.11 Disable the “Shutdown Event Tracker”

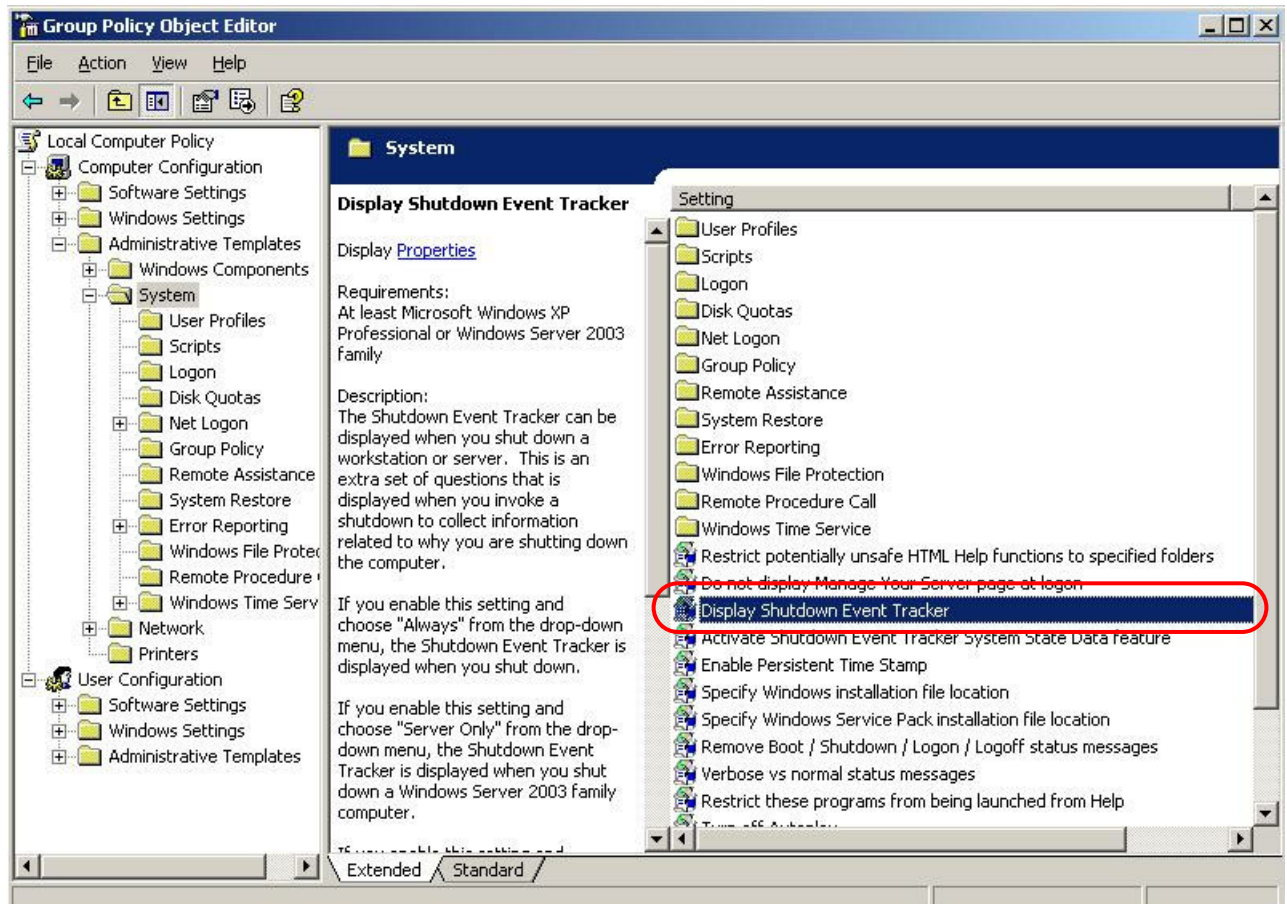
Go to “Start Menu” / “Run” . Type “gpedit.msc” and select the “OK” button.



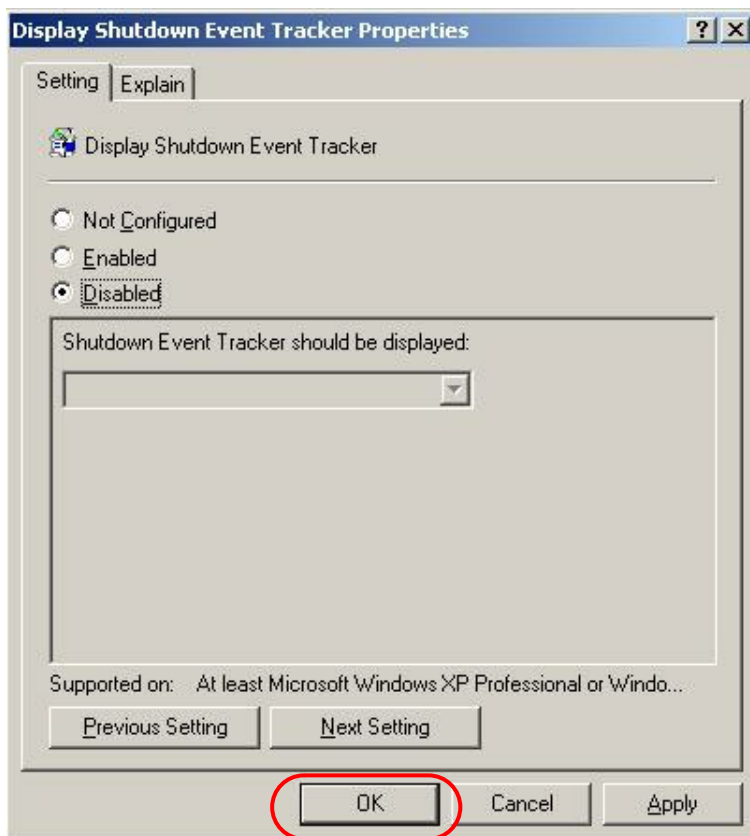
The “Group Policy Object Editor” window should be displayed.



Navigate to “Computer Configuration/Administrative Templates/System/Display Shutdown Event Tracker”
Double-click on “Display Shutdown Event Tracker”.



Select “Disabled” as shown below.



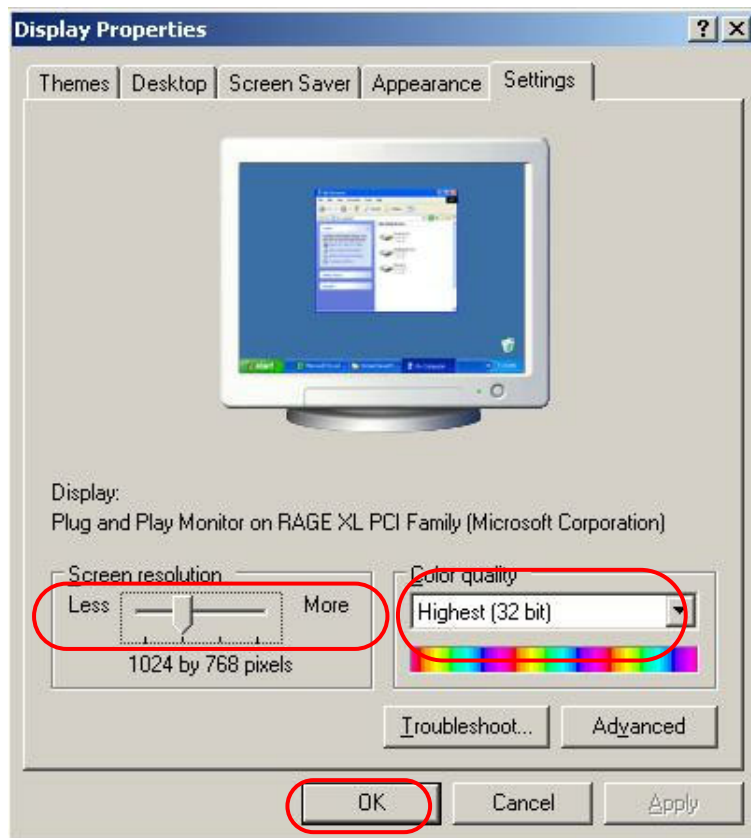
Select the “OK” button.

Close the “Group Policy Object Editor” window.

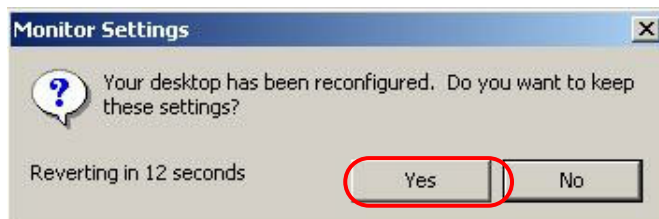
Setting	State
User Profiles	
Scripts	
Logon	
Disk Quotas	
Net Logon	
Group Policy	
Remote Assistance	
System Restore	
Error Reporting	
Windows File Protection	
Remote Procedure Call	
Windows Time Service	
Restrict potentially unsafe HTML Help functions to specified folders	Not configured
Do not display Manage Your Server page at logon	Not configured
Display Shutdown Event Tracker	Disabled
Activate Shutdown Event Tracker System State Data feature	Not configured
Enable Persistent Time Stamp	Not configured
Specify Windows installation file location	Not configured
Specify Windows Service Pack installation file location	Not configured
Remove Boot / Shutdown / Logon / Logoff status messages	Not configured
Verbose vs normal status messages	Not configured
Restrict these programs from being launched from Help	Not configured
Turn off Autoplay	Not configured
Do not automatically encrypt files moved to encrypted folders	Not configured
Download missing COM components	Not configured
Allow Distributed Link Tracking clients to use domain resources	Not configured

3.12 Setting the Display Properties

Go to “StartMenu / Settings / Control Panel / Display / Settings” ,
Make the settings as shown and press “Apply”

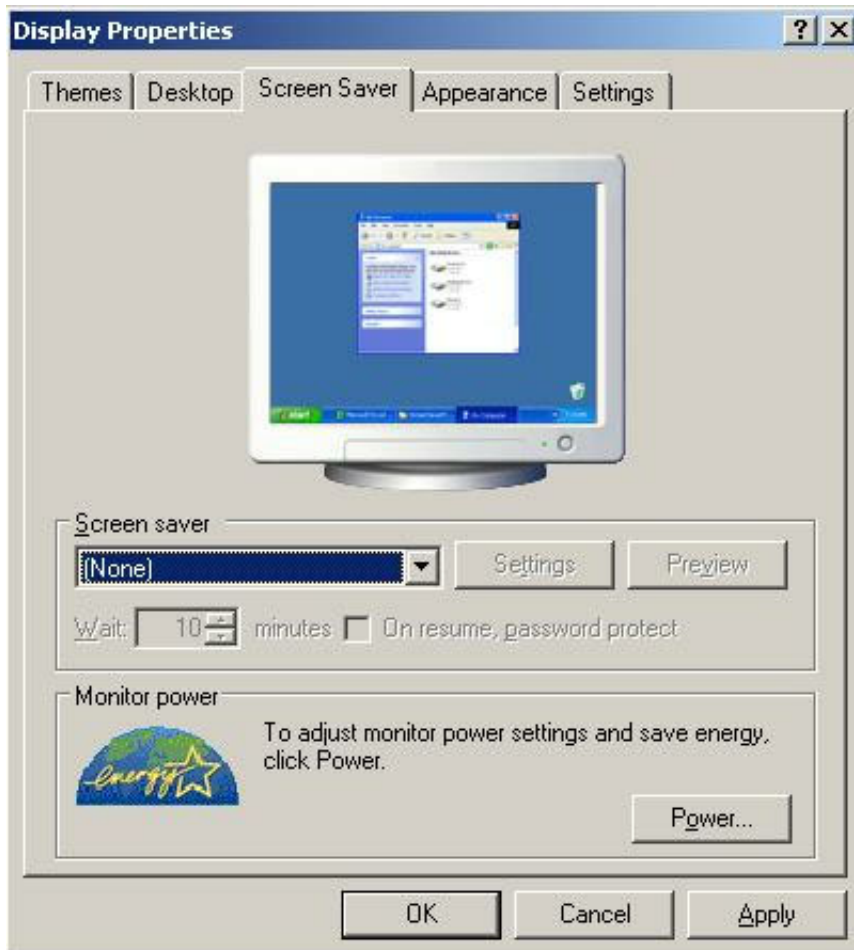


The display is changed. The following window may be displayed.
Select “Yes” to keep the new settings.



Select the “Screen Saver” tab.

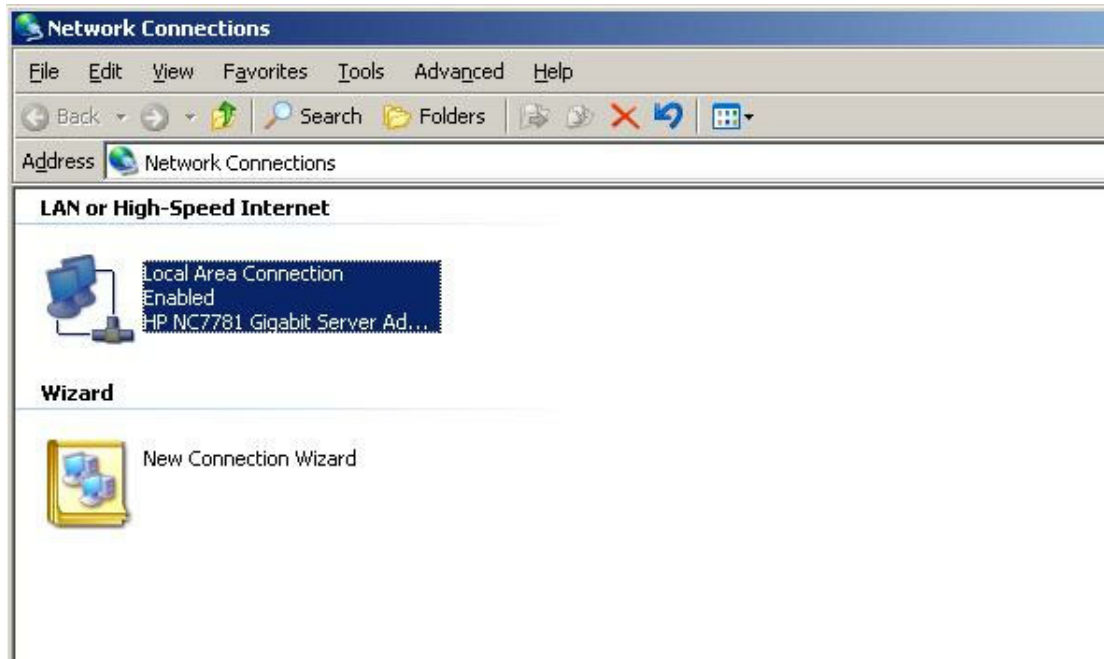
Using the pull-down menu, select “None” for “Screen Saver”



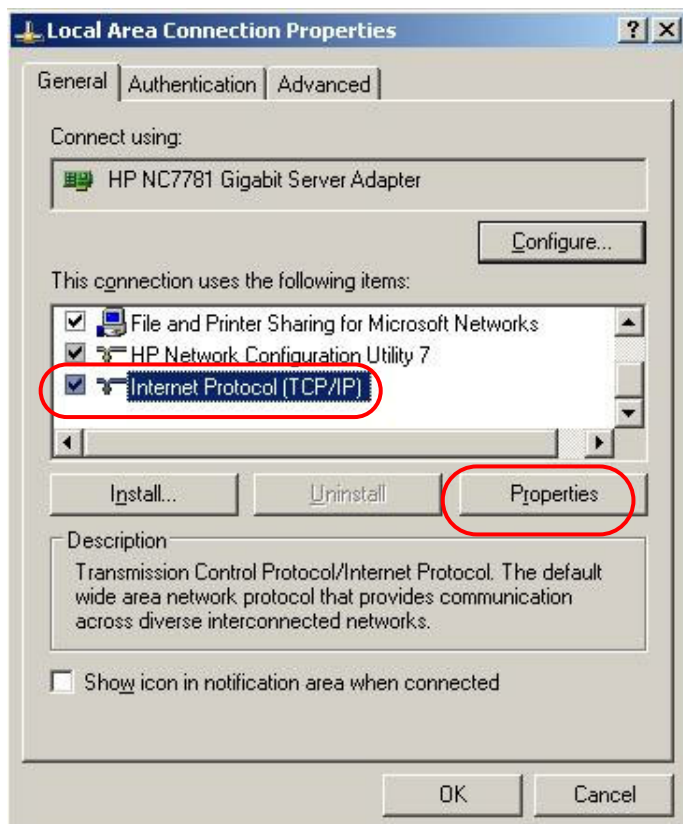
Select “OK” to close the “Display Properties” window.

3.13 Configuring the Network Properties

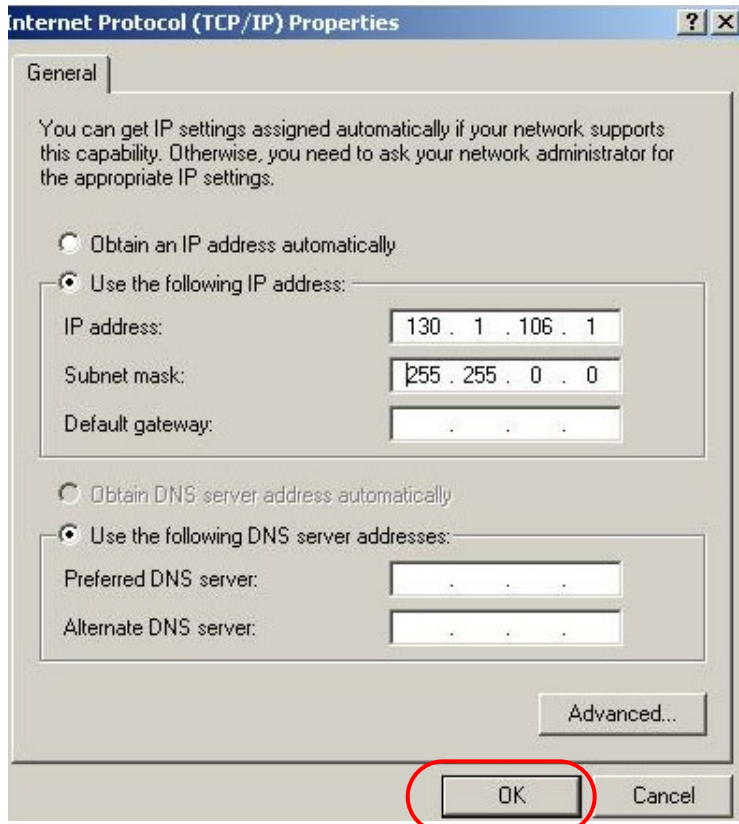
Right-Click on “My Network Places” on the desktop and select “properties”. The following window is displayed. Right-Click on the “Local Area Connection” and select “Properties”.



Select “Internet Protocol (TCP/IP) and select “Properties”



Enter in the IP Address and Subnet Mask of the network card and press “OK”



Select the “OK” button to save the settings.

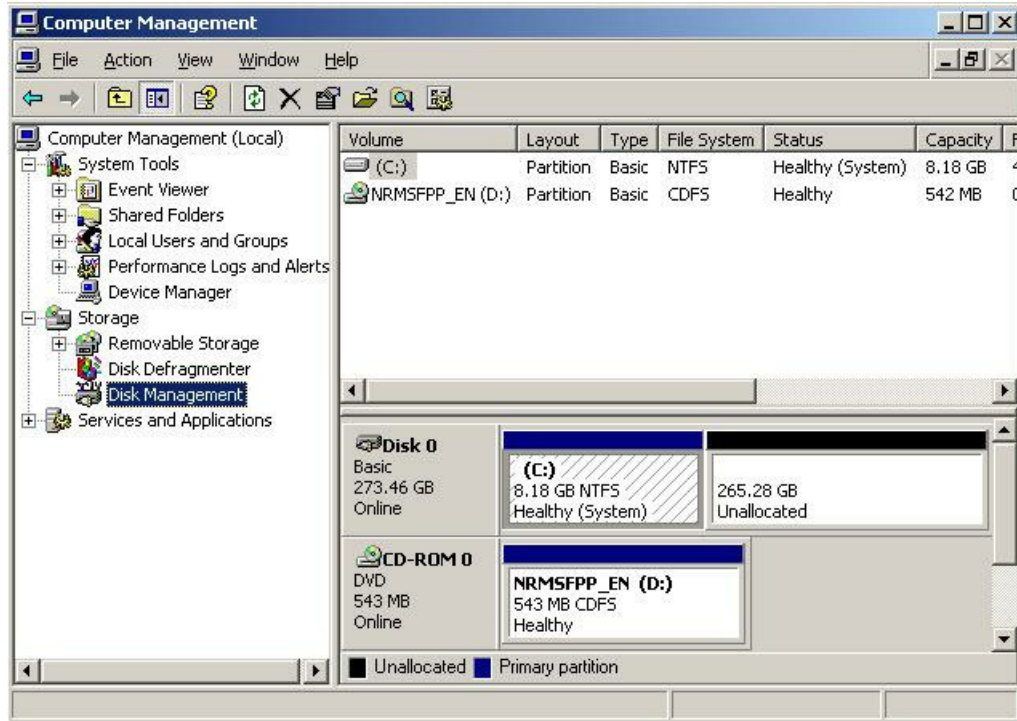
Select “Close” to close the “Local Area Connection Properties” window .

Close the “Network Connections” dialog window.

3.14 Configuring the Hard Disks on RAID Enabled systems

For a single disk system (no RAID), skip to Page 58.

From the Desktop, Select “My Computer”, Right-Click and select “Manage”

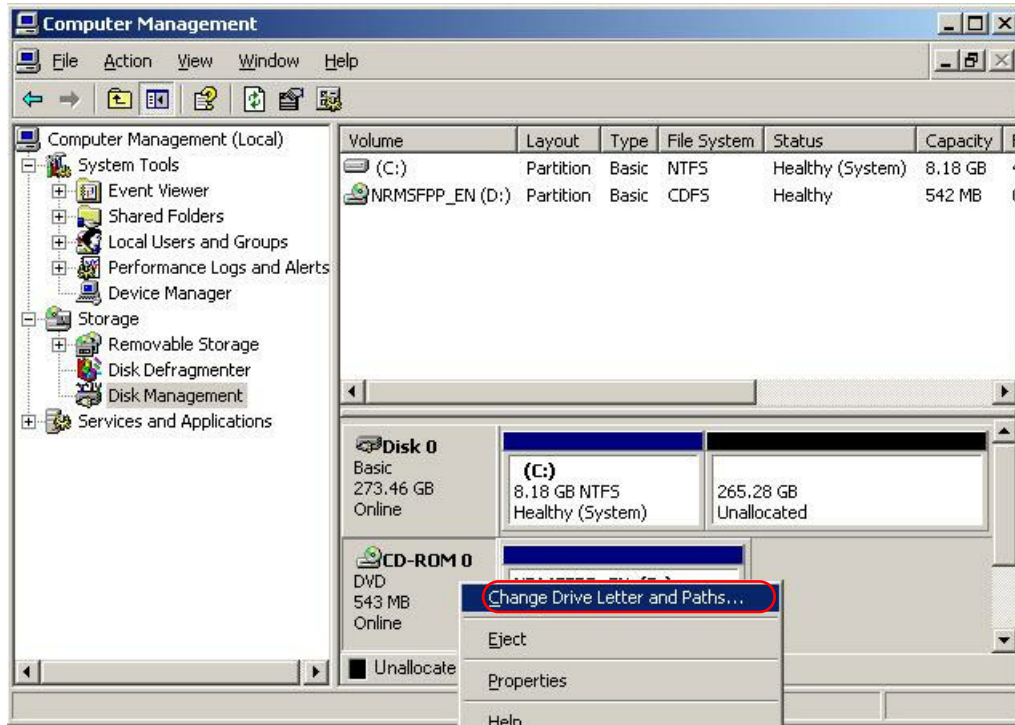


Select “Disk Management”

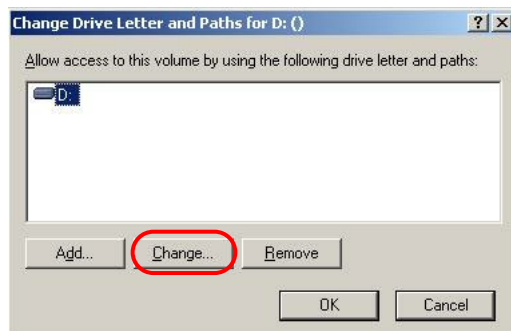


Changing the CDROM Drive letter assignment to “F”

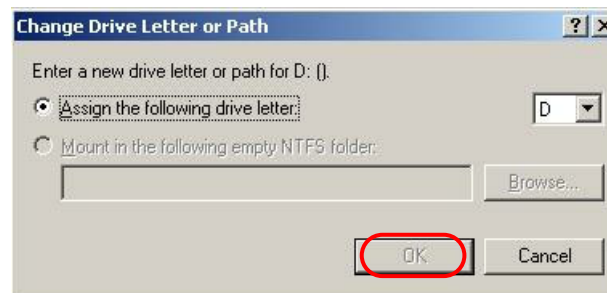
Right click on the CDROM Drive and select “Change Drive Letter and Path”



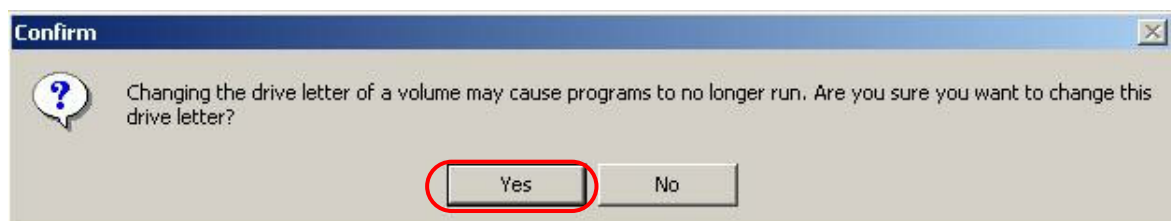
Select the “Edit” button



Select the “F” drive letter and press “OK”



Select the “Yes” button.

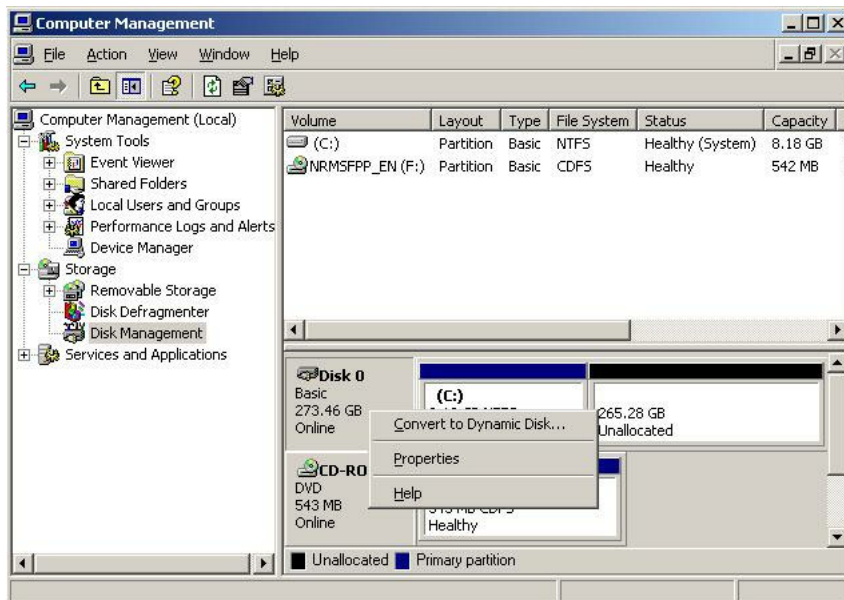


Converting to Dynamic Disks (Supports Extended Volume Feature)

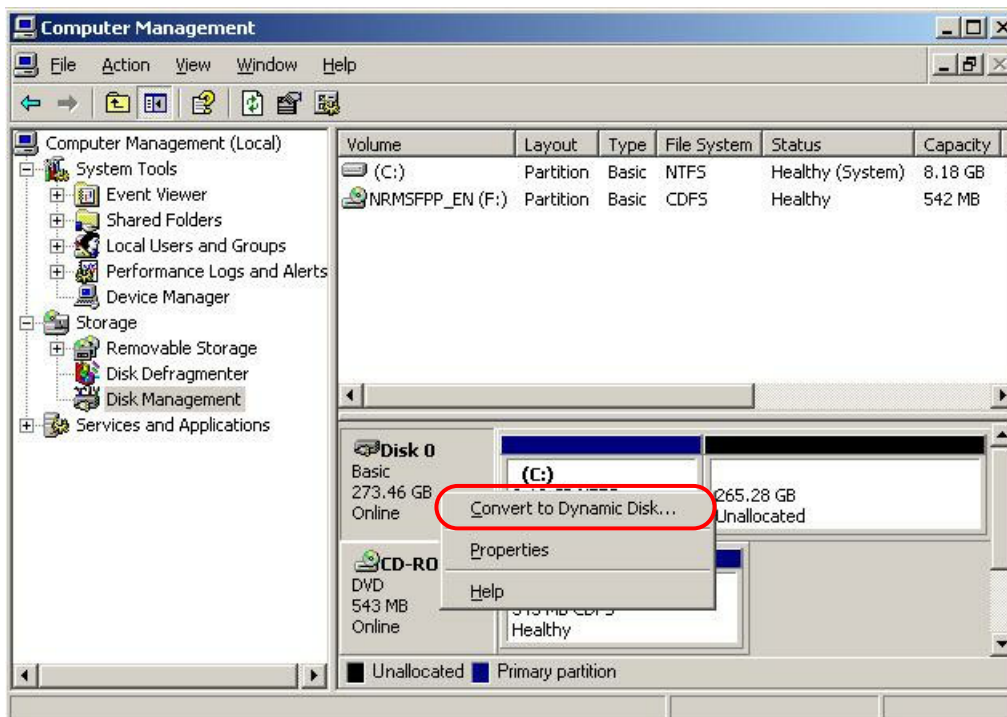
Skip to page 51 for “[Configuring Basic \(Factory Config\) Disks](#)”, if you want to be able to support the “Trueflow Configuration Backup/Restore Utility” and therefore do not want to configure Dynamic Disks, (This utility does not fully support such Disks)

Configuring Dynamic Disks allows extension of the “E” volume disk space by the addition of other disks but does not support the quick recovery of the “C” or “D” partition in the event of data corruption.

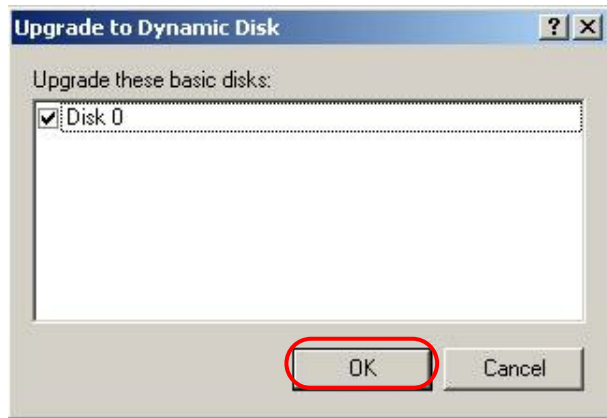
Right-click on “Disk 0”



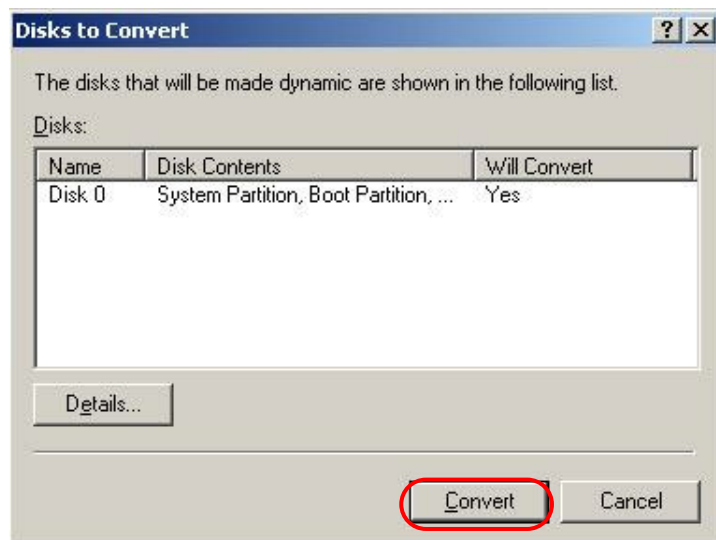
Select “Convert to Dynamic Disk”



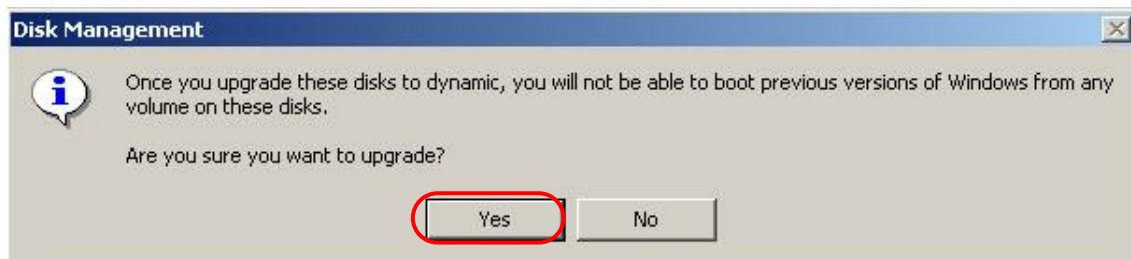
Select the “OK” button.



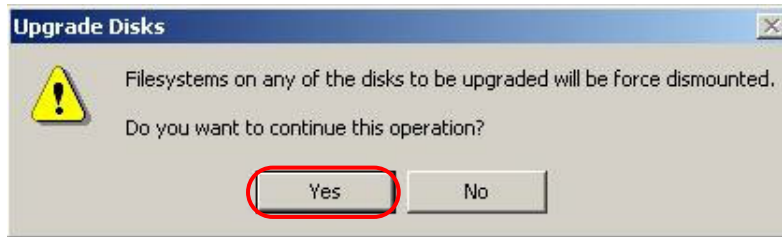
Select the “Convert” button.



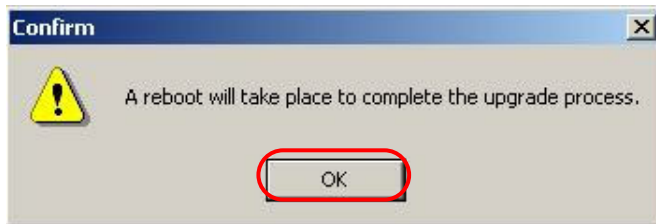
Select the “Yes” button.



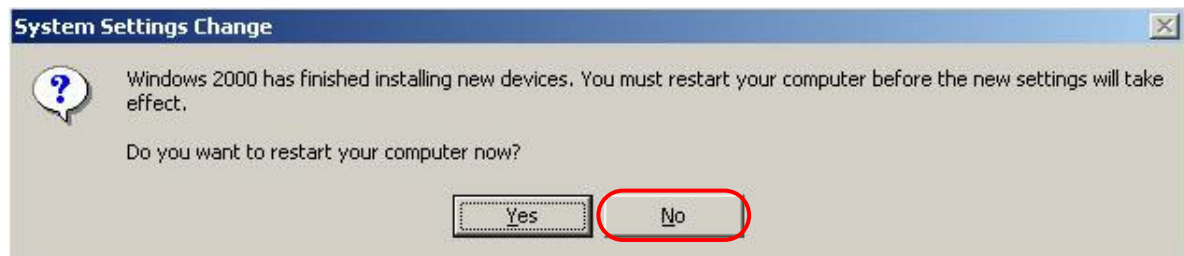
Select the “Yes” button.



Select the “OK” button. The system will reboot.

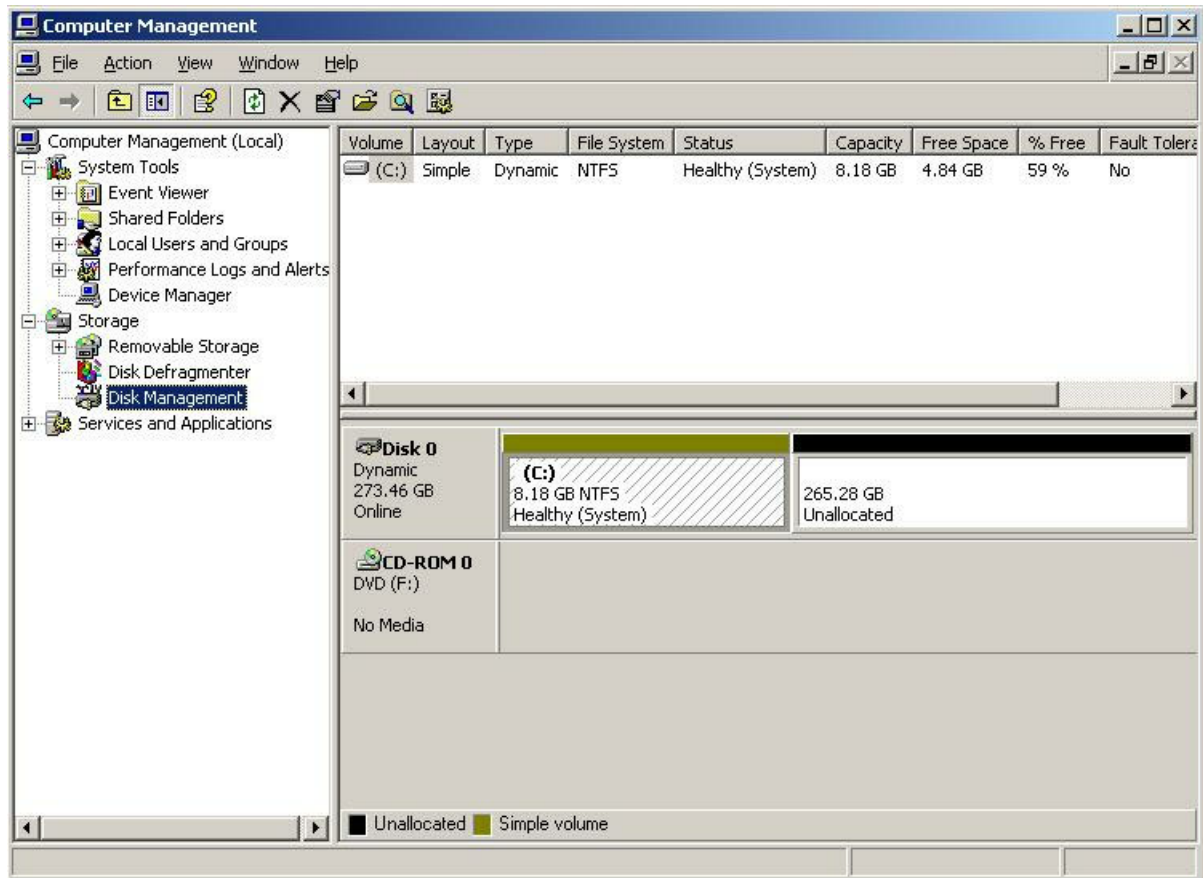


After rebooting log in as “Administrator”. If the following window appears, select the “No” button.

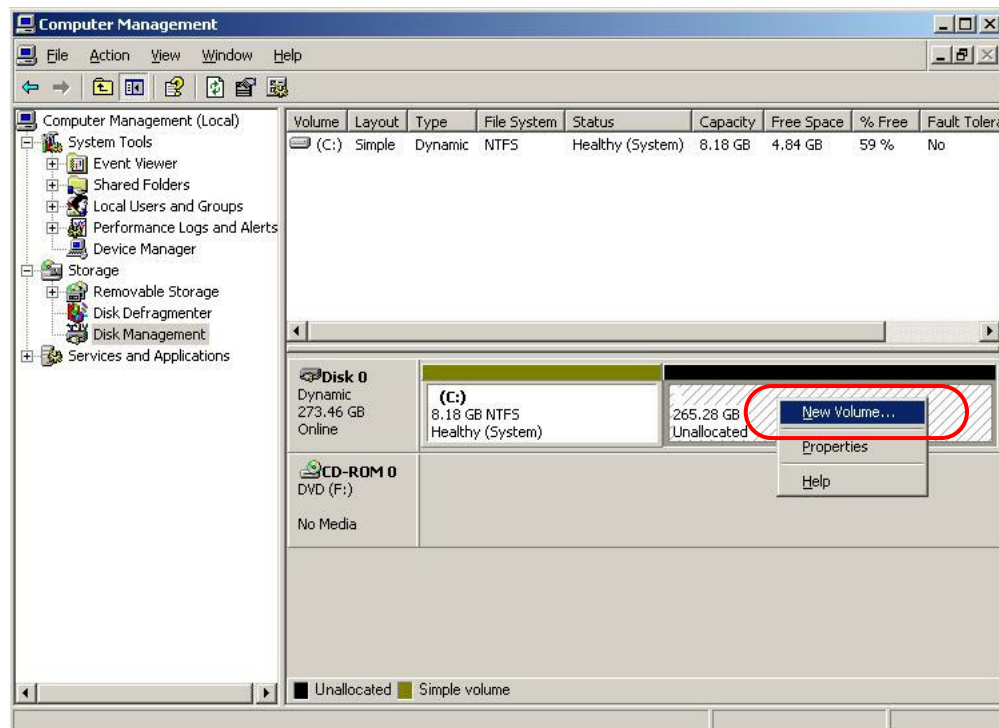


From “My Computer”, Right-Click, and select “Manage” The “Computer Manager” window is displayed.

Select “Disk Management”. Select the “unallocated” partition and right click on it.



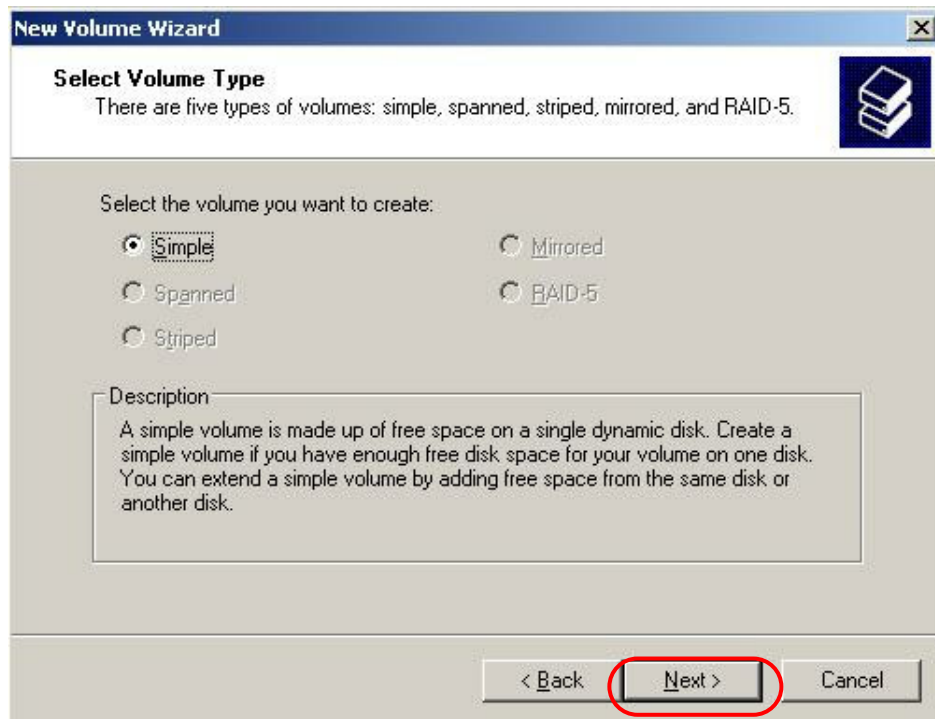
Select “New Volume”



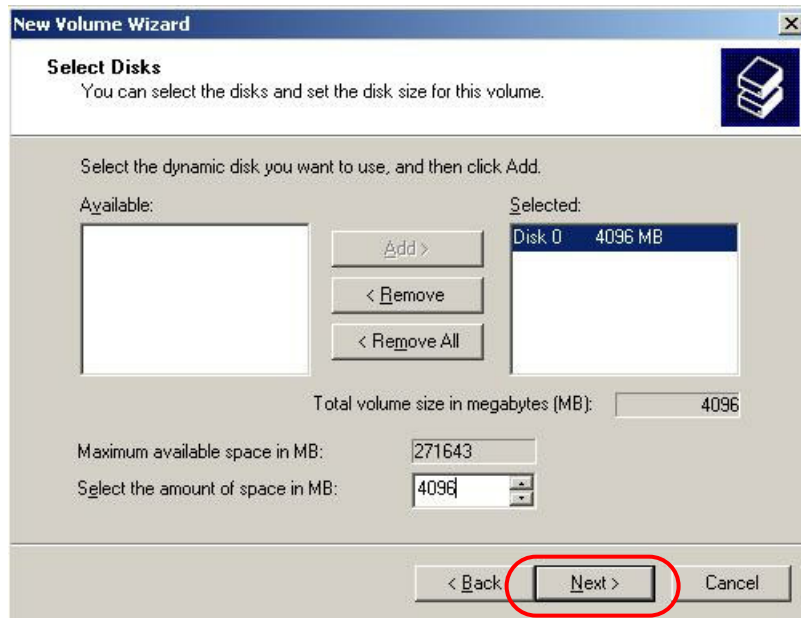
The “New Volume Wizard” is displayed. Click on the “Next” button.



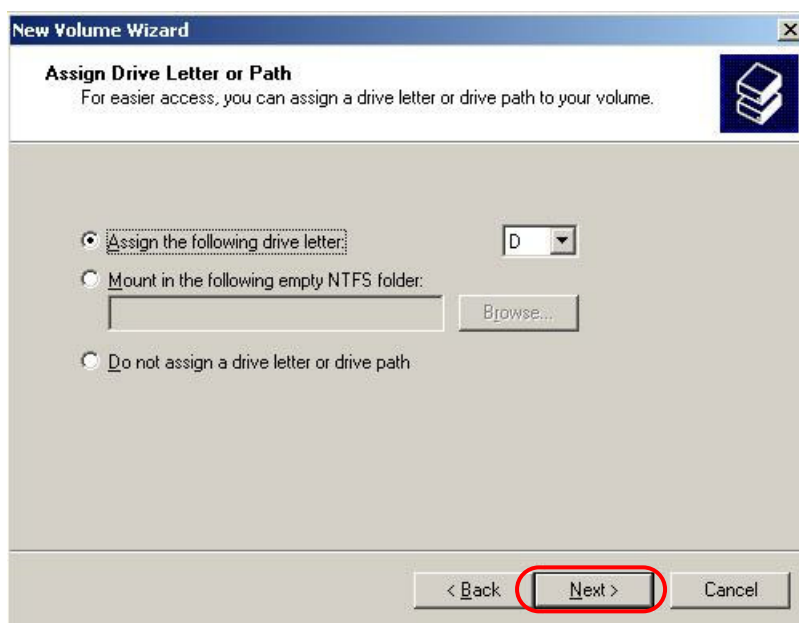
Select the “Next” button.



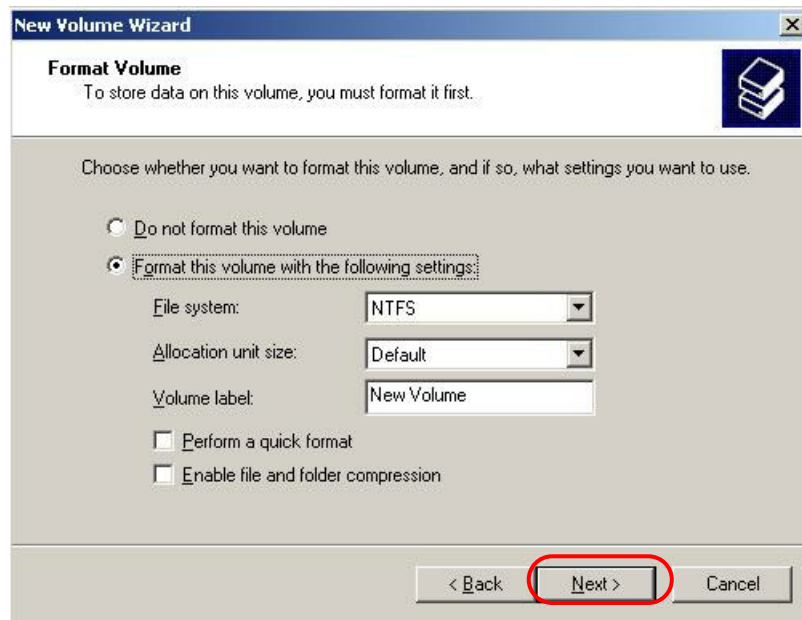
Enter “4096” for “Select the amount of space in MB”
Select the “Next” button.



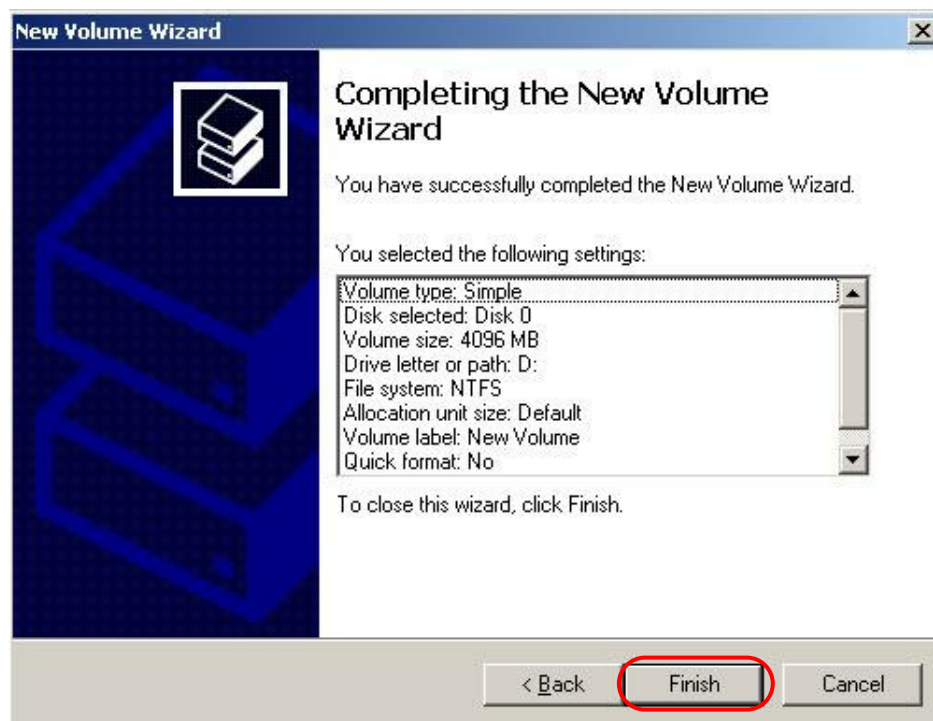
Select the “Next” button.



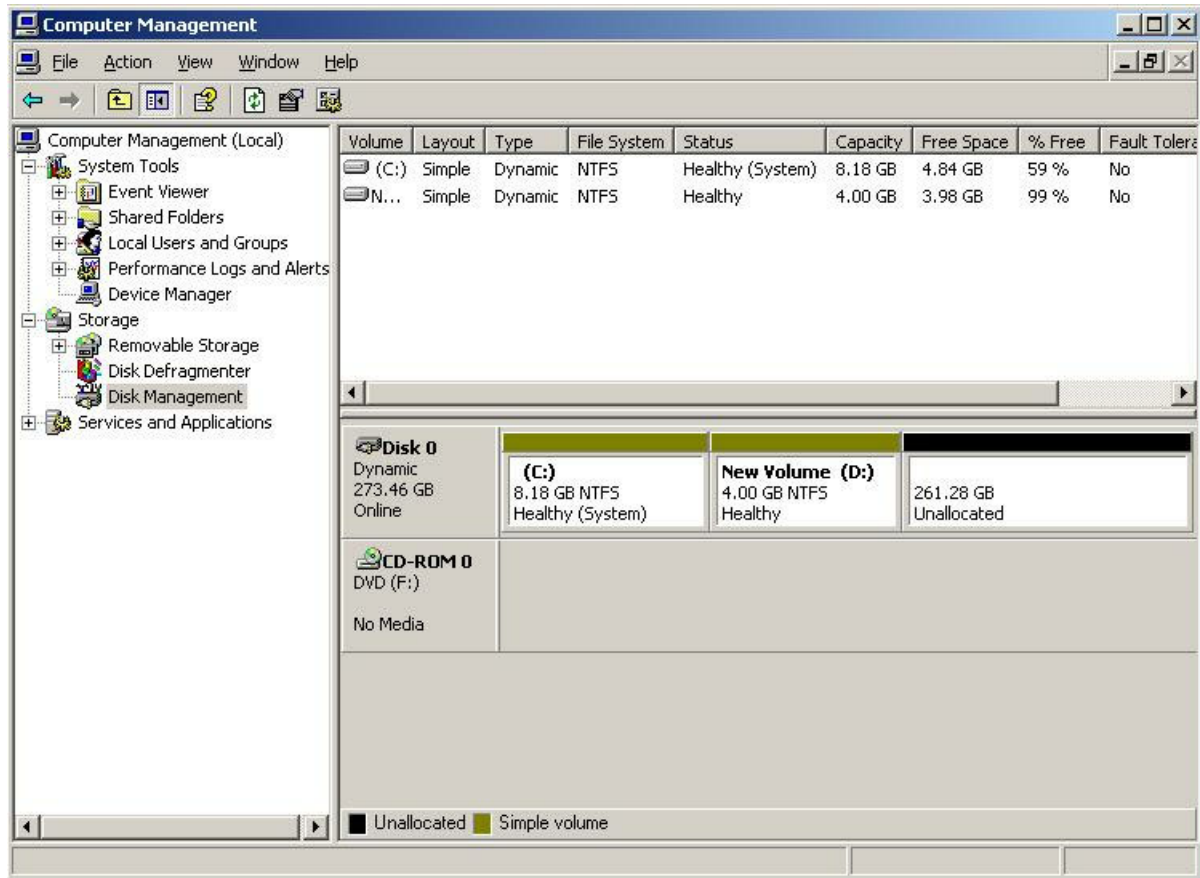
Select the “Next” button.



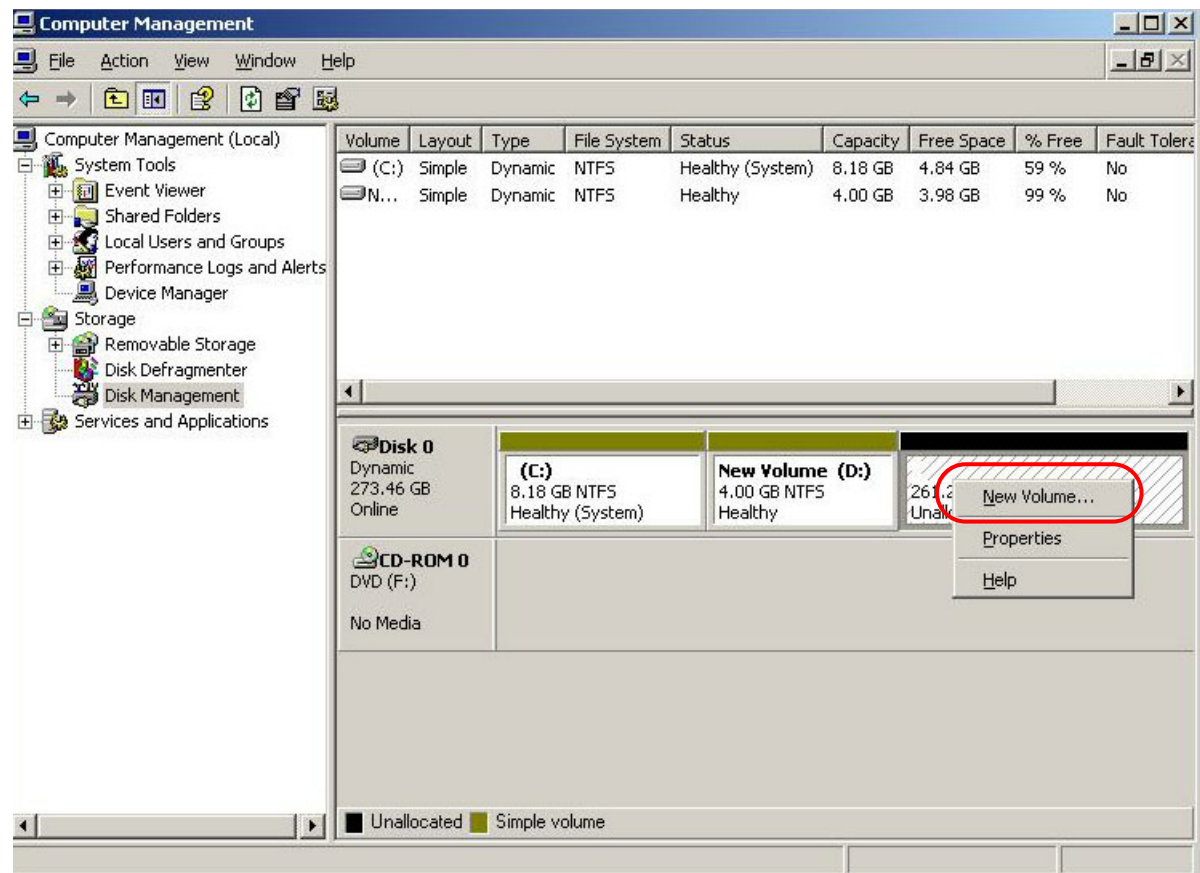
Select the “Finish” button.



When the formatting is complete the new volume should show as “Healthy” as shown below.



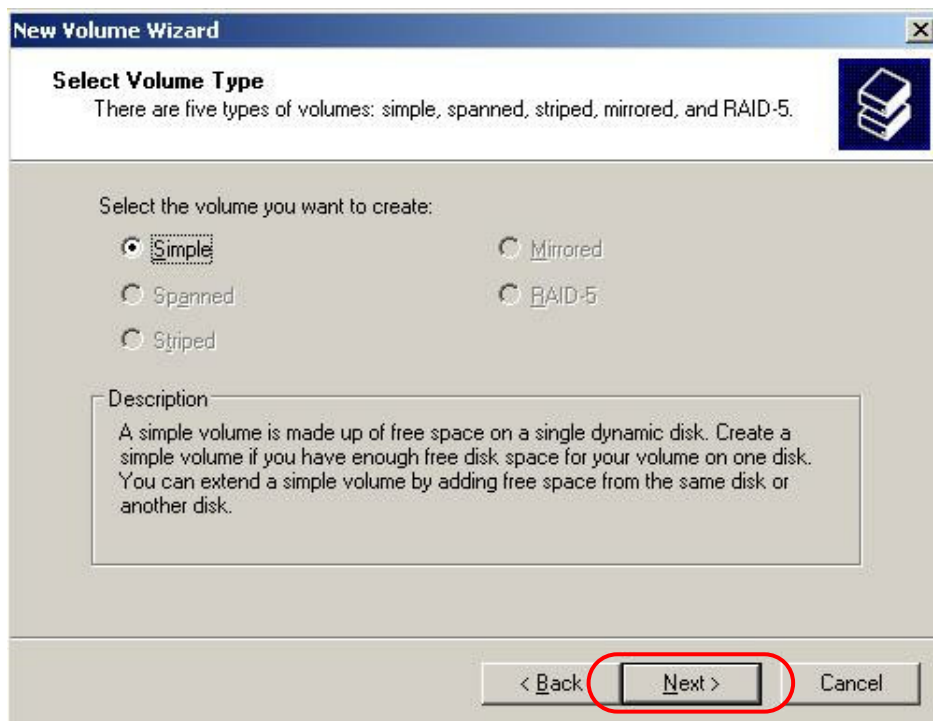
Right-Click on the unallocated space and select “New Volume”



Select the “Next” button.



Select the “Next” button.



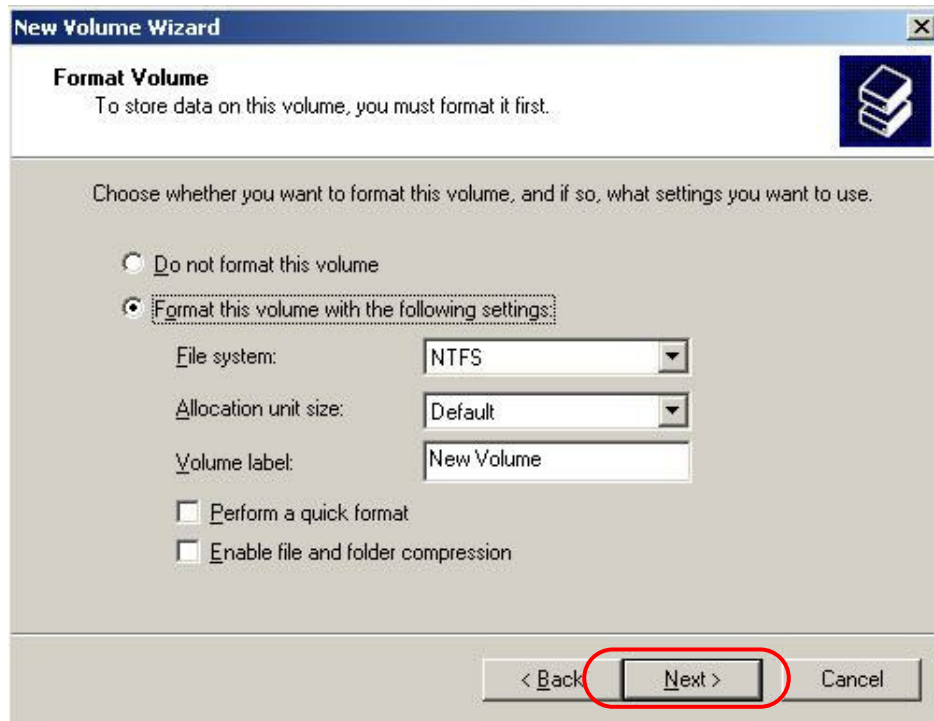
Select the “Next” button.



Select the “Next” button.



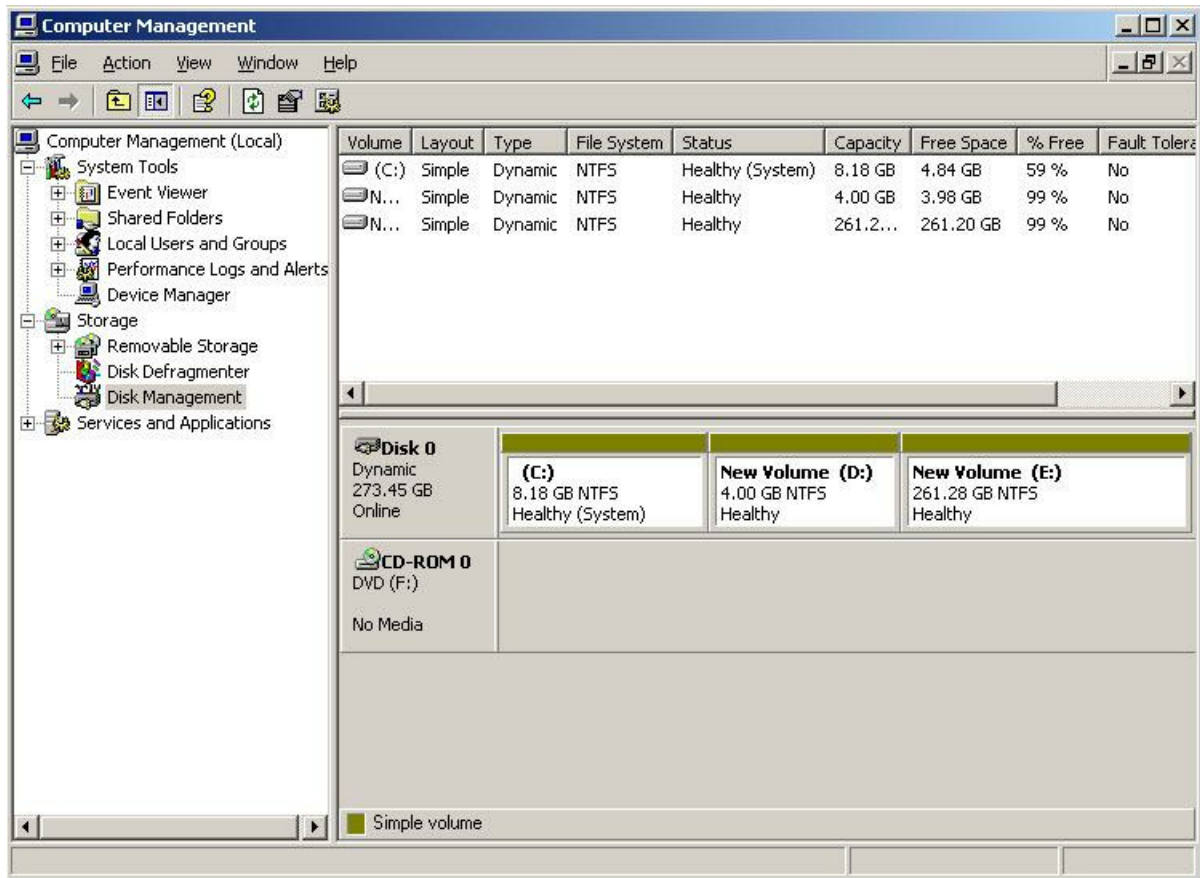
Select the “Next” button.



Select the “Finish” button.



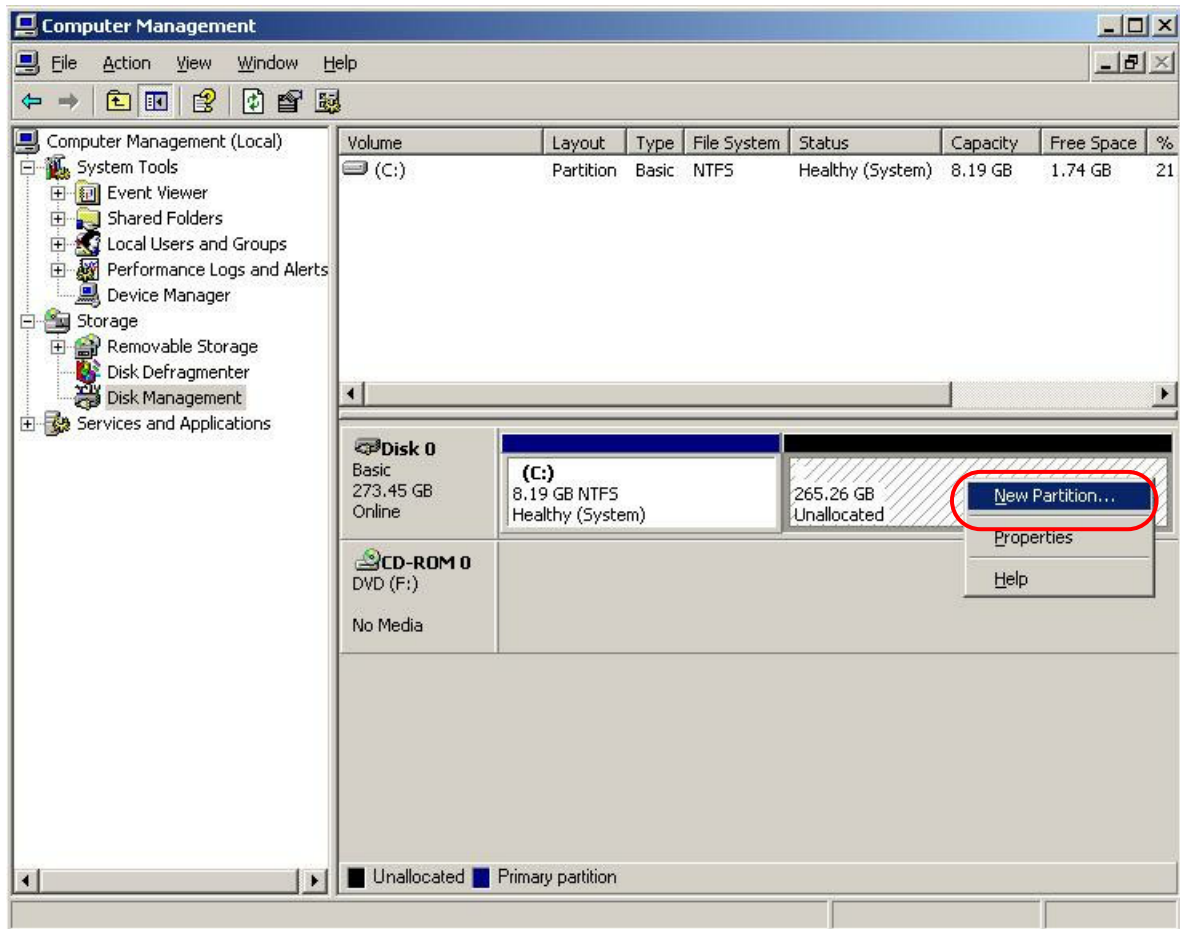
The following window is displayed.



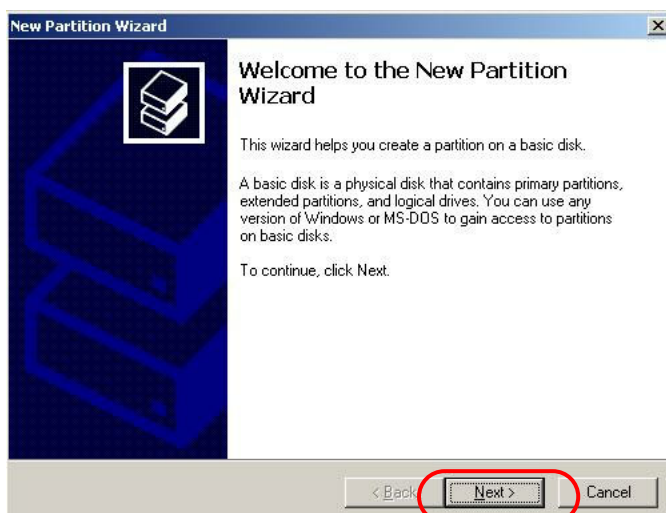
This completes the Disk Drive configuration for RAID enabled systems
Now skip to Page 62 to continue configuring the system.

Configuring Basic (Factory Configuration) Disks

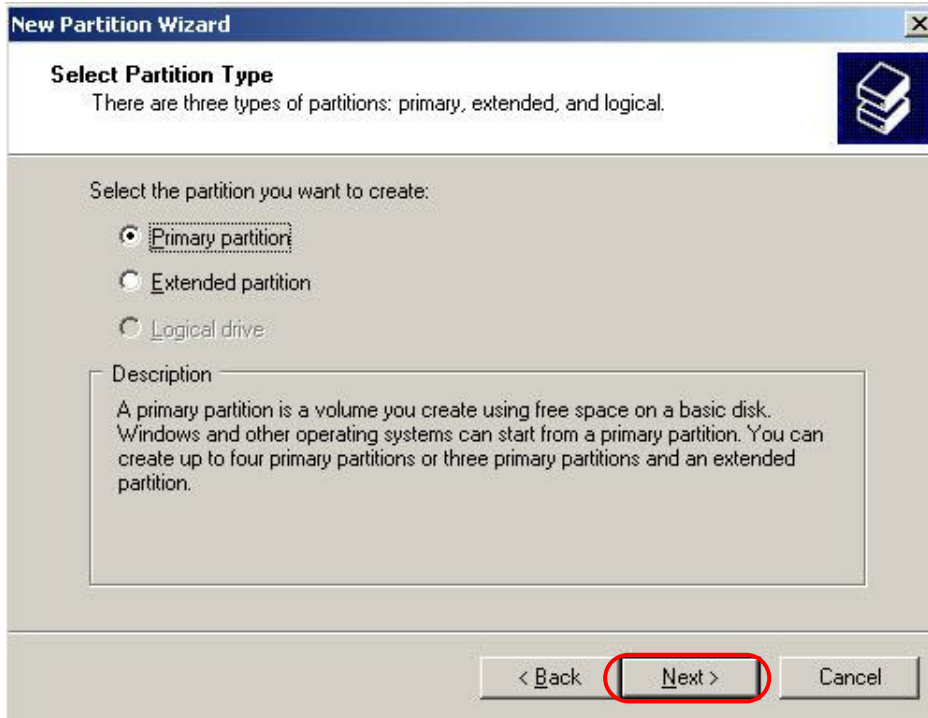
Right-Click on the Unallocated space and select “New Partition”.



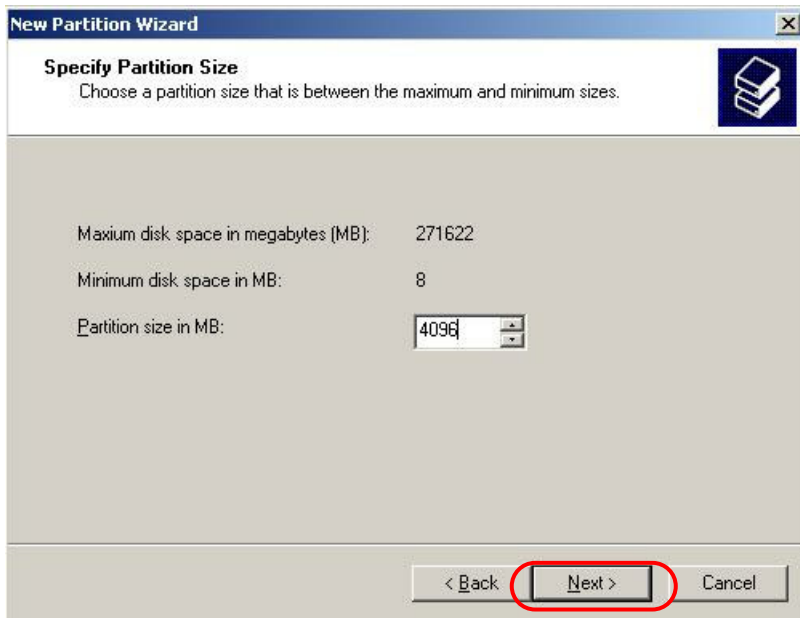
Select the “Next” button.



Select the “Next” button.



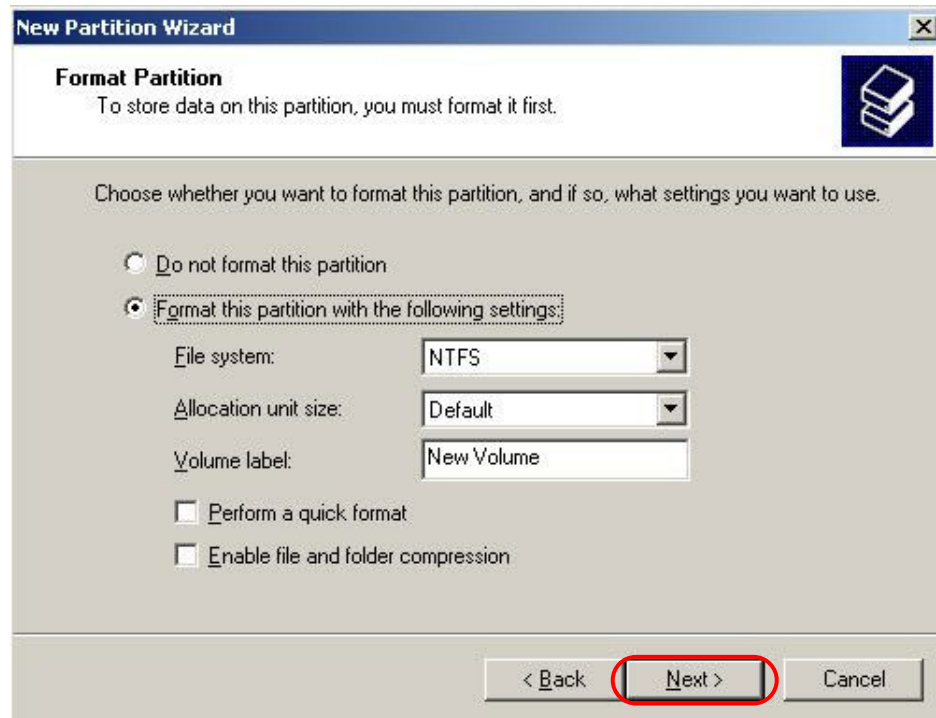
Select the “Next” button.



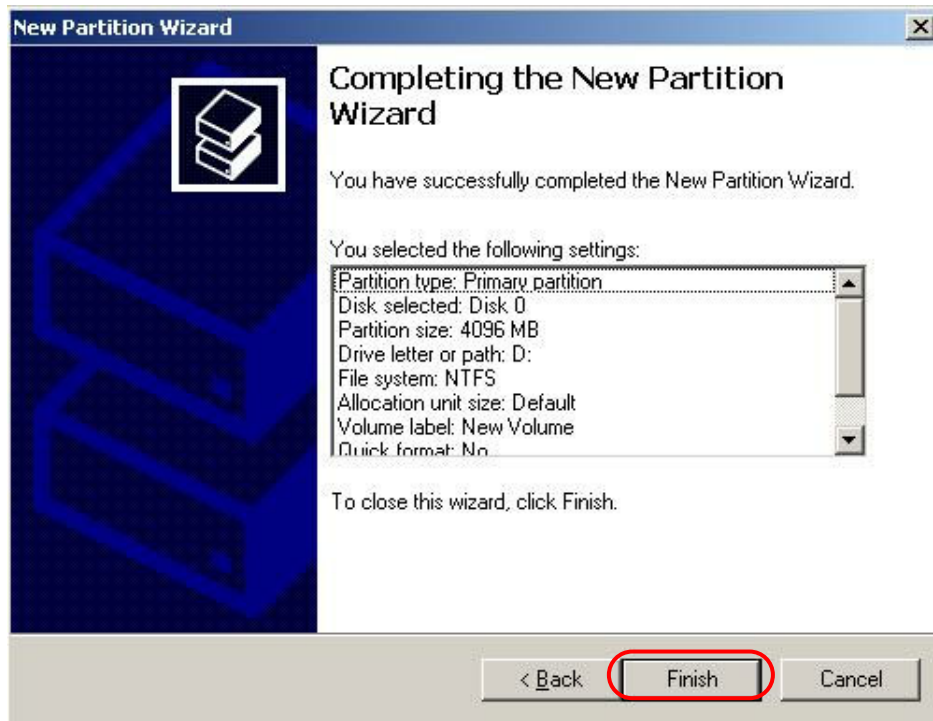
Select the “Next” button.



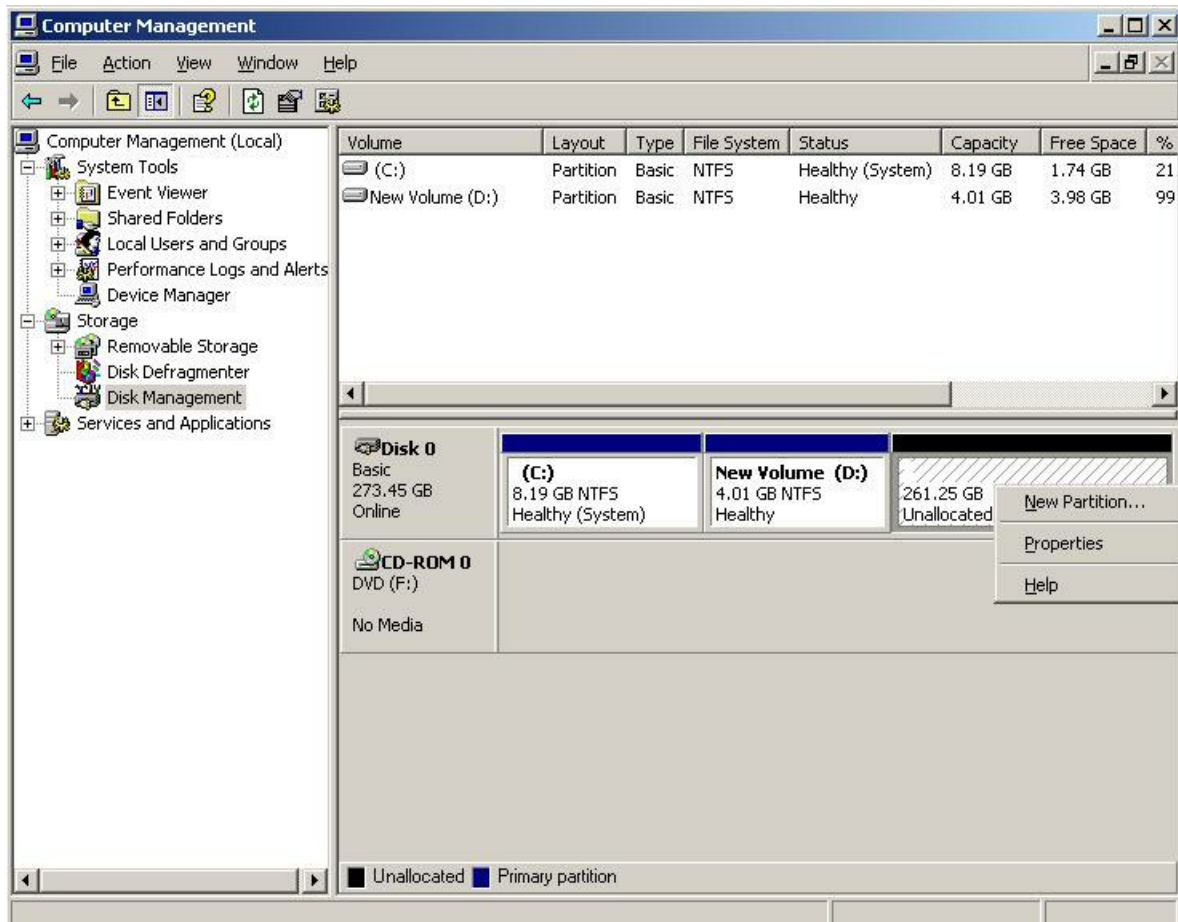
Select the “Next” button.



Select the “Finish” button.



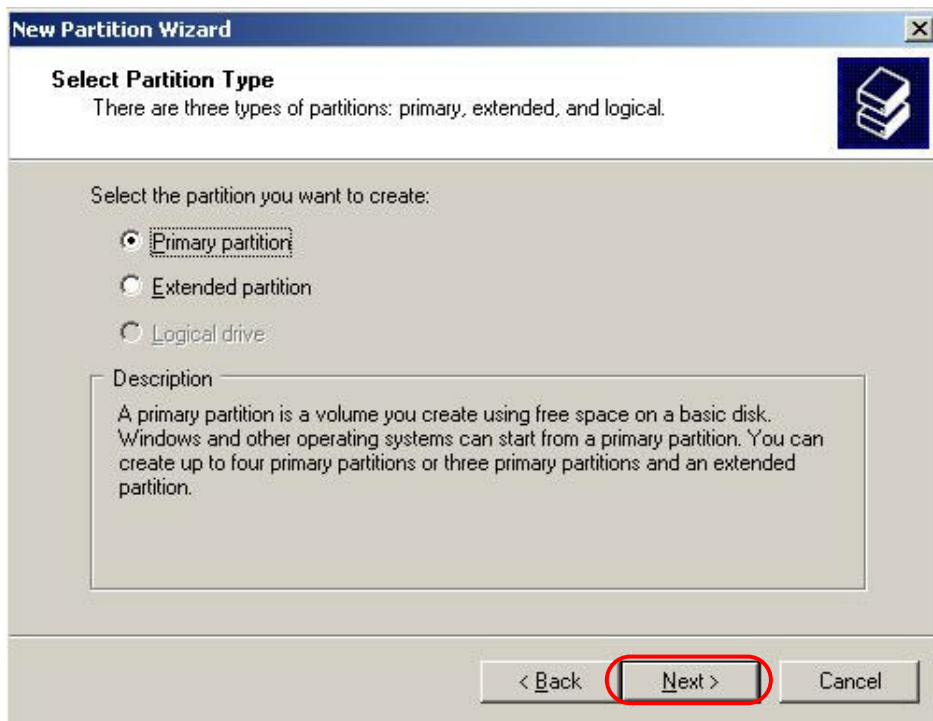
Right-Click on the unallocated space and select “New Partition”



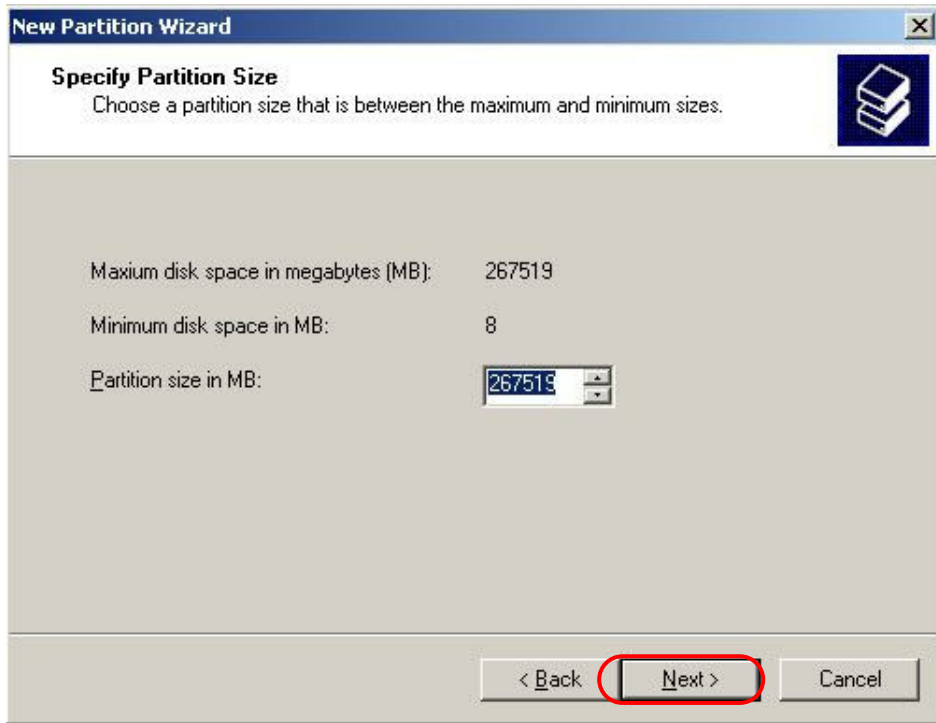
Select the “Next” button.



Select the “Next” button.



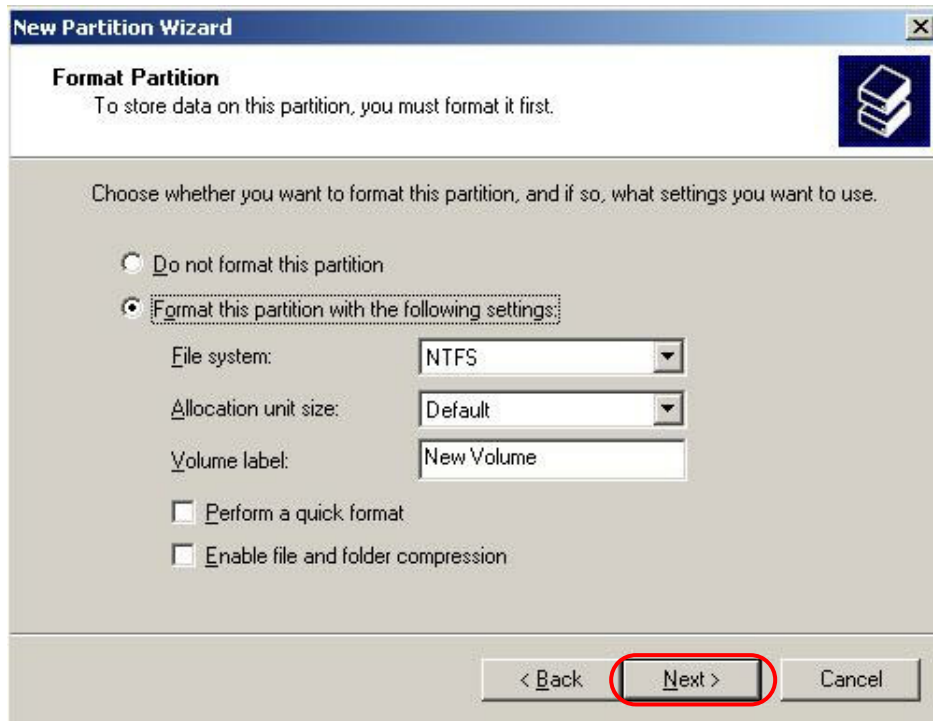
Select the “Next” button.



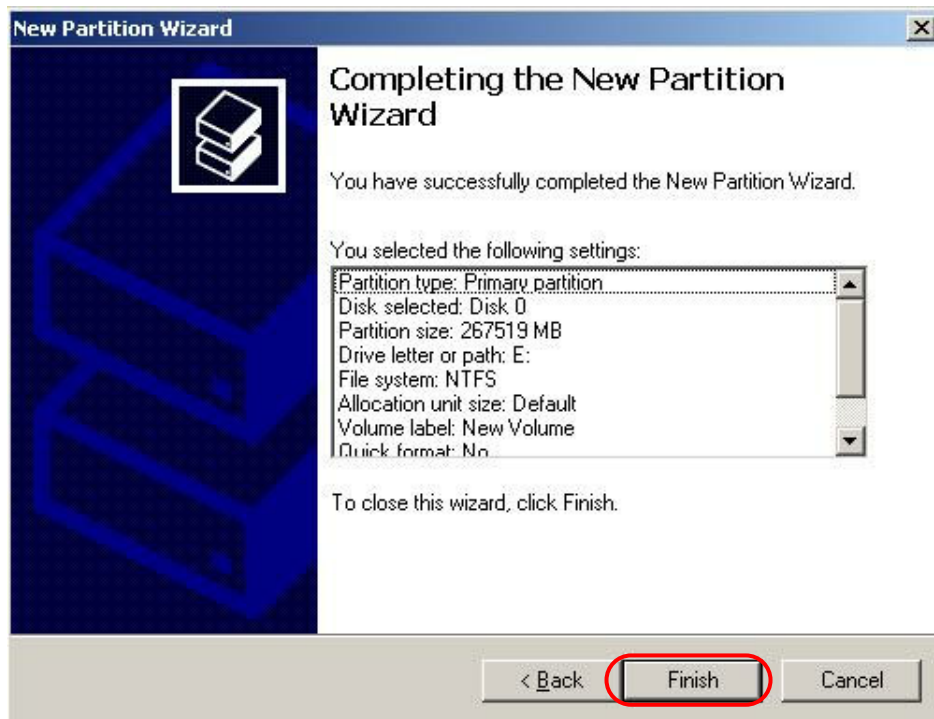
Select the “Next” button.



Select the “Next” button.



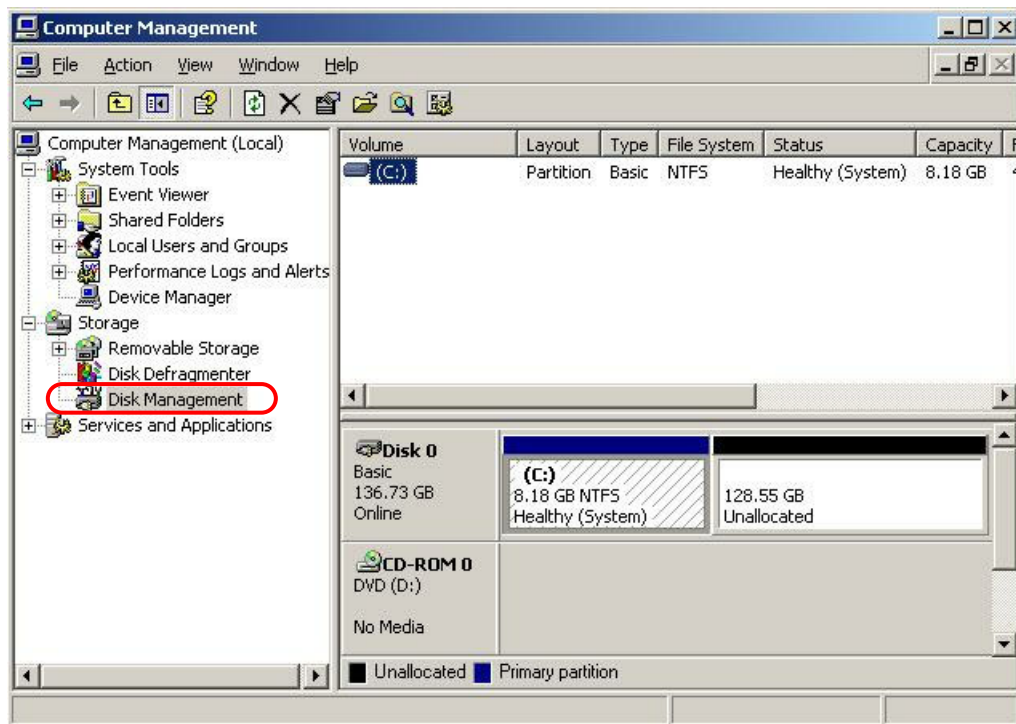
Select the “Finish” button.



This completes setting up the Basic Disk Configuration. To continue configuring the system, skip to page 70

3.15 Configuring the Hard Disks for non RAID systems.

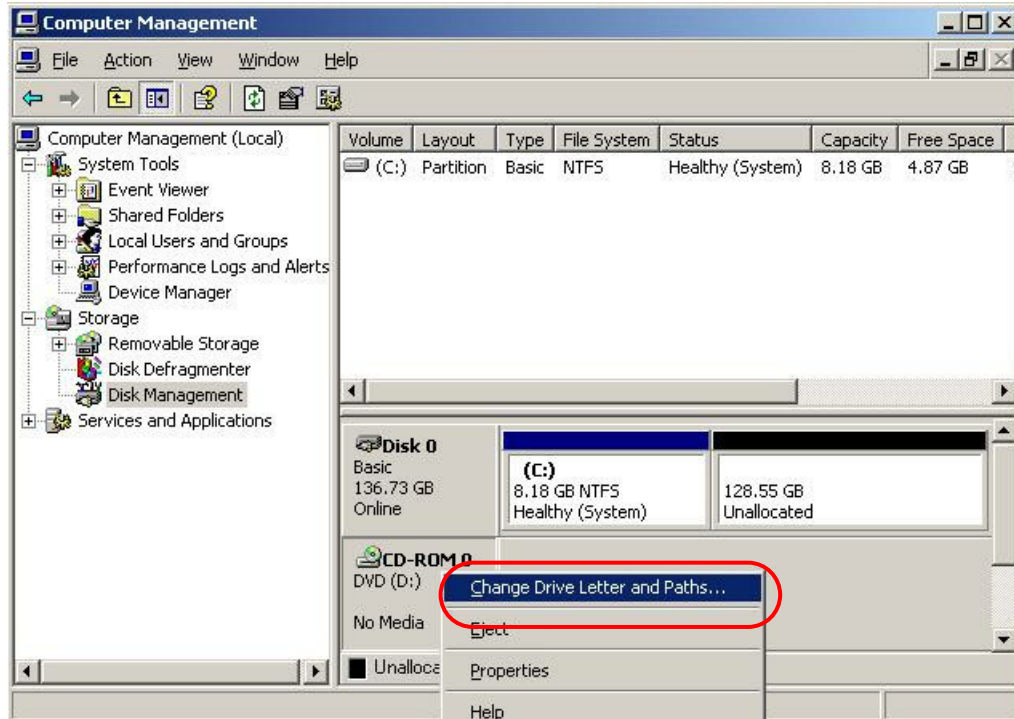
Right-Click on “My Computer” and select “Manage”. The “Computer Management” window is displayed.



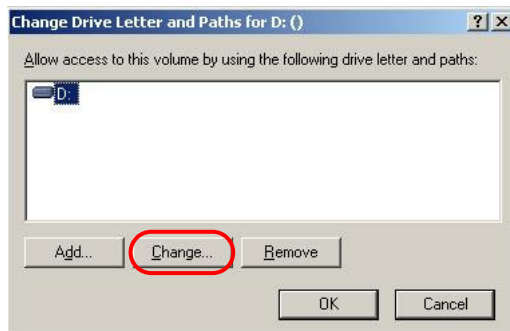
Select “Disk Management”

Changing the CDROM Drive letter assignment to “F”

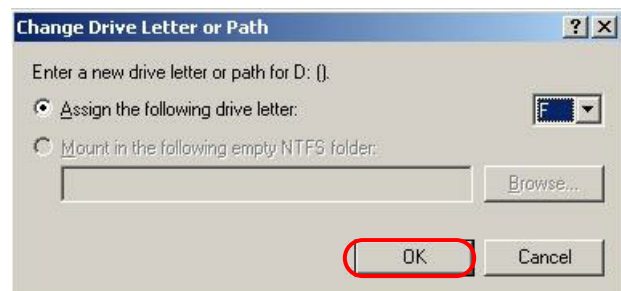
Right click on the CDROM Drive and select “Change Drive Letter and Path”



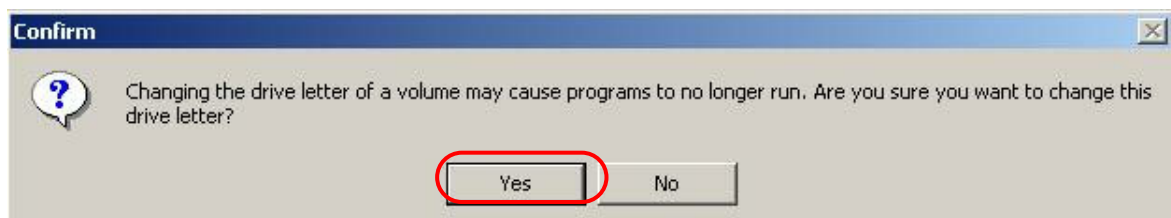
Select the “Edit” button



Select the “F” drive letter and press “OK”



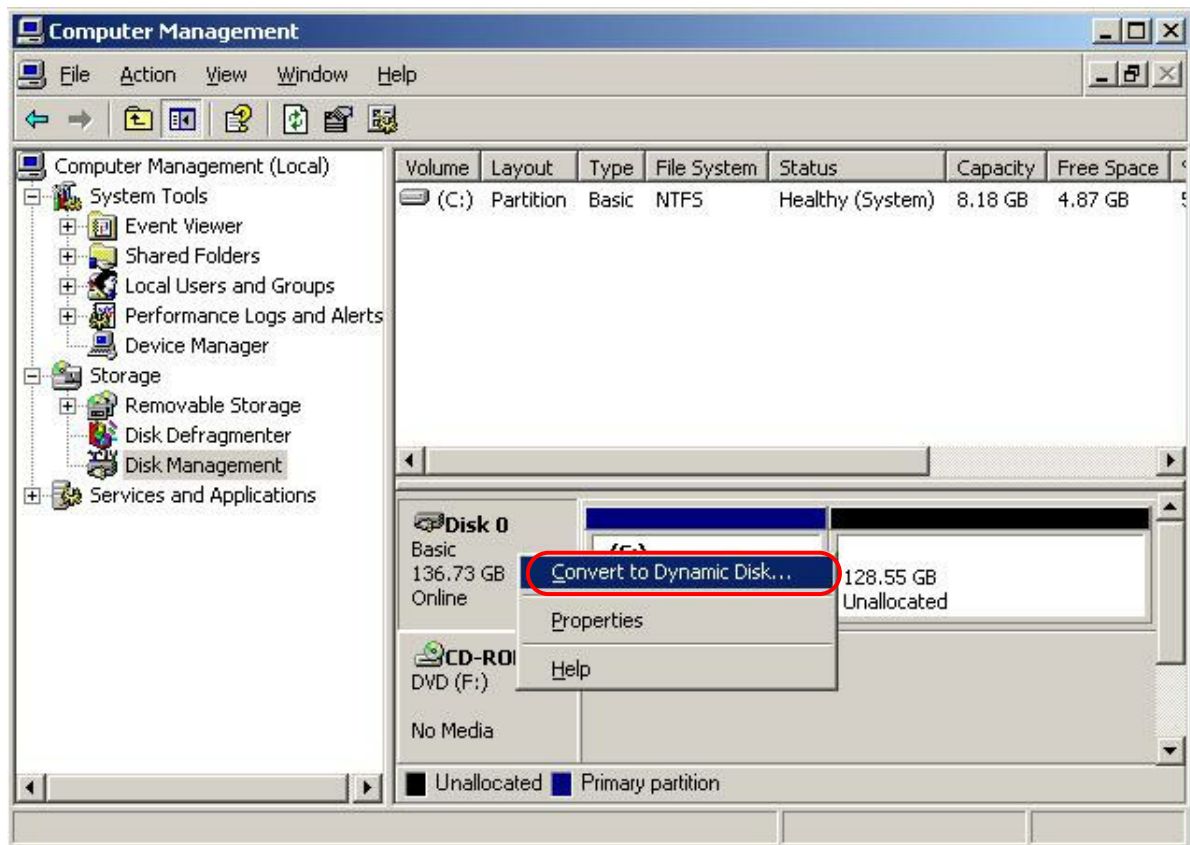
Select the “Yes” button.



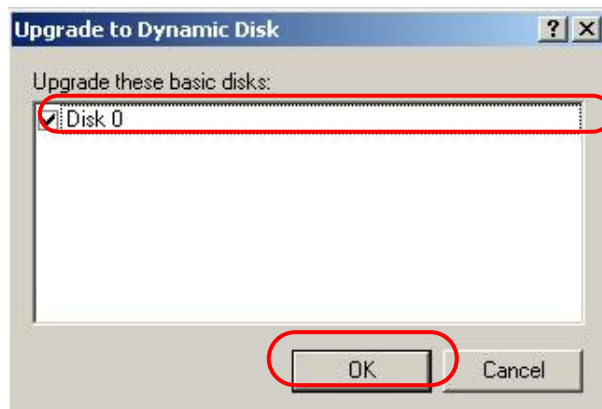
Converting to Dynamic Disks

To configure Basic Disks, go back to page 51 if you want to be able to support the “Trueflow configuration Backup/Restore Utility” and therefore do not want to configure Dynamic Disks, (This utility does not support such Disks).

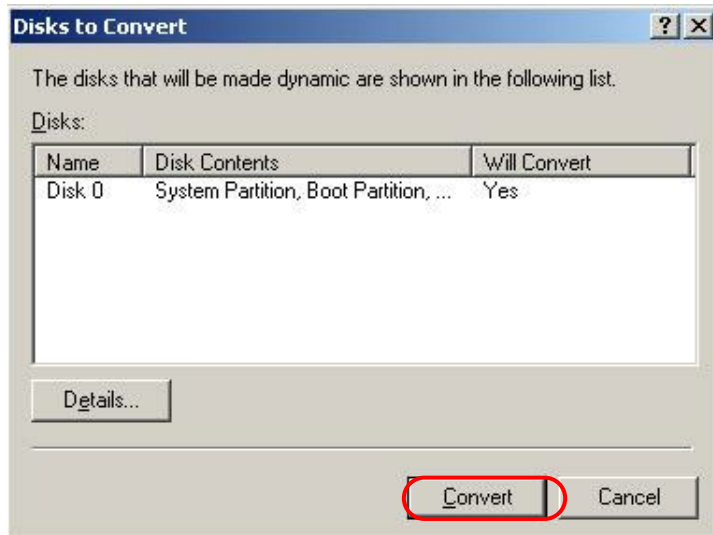
“Right Click on “Disk 0” and select “Convert to Dynamic Disk”.



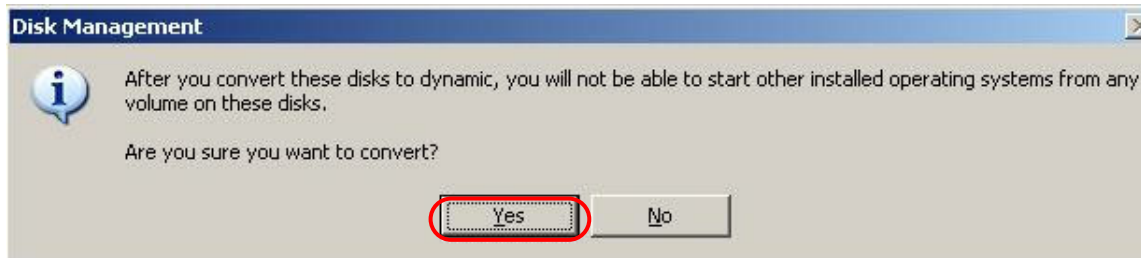
Ensure “Disk 0” is selected and press the “OK” button



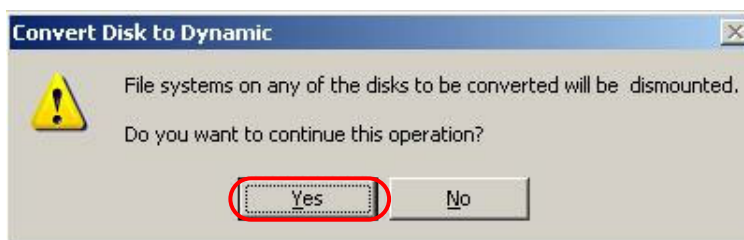
Select the “Convert” button.



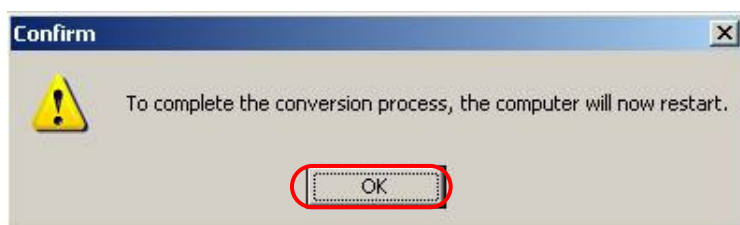
Select the “Yes” button.



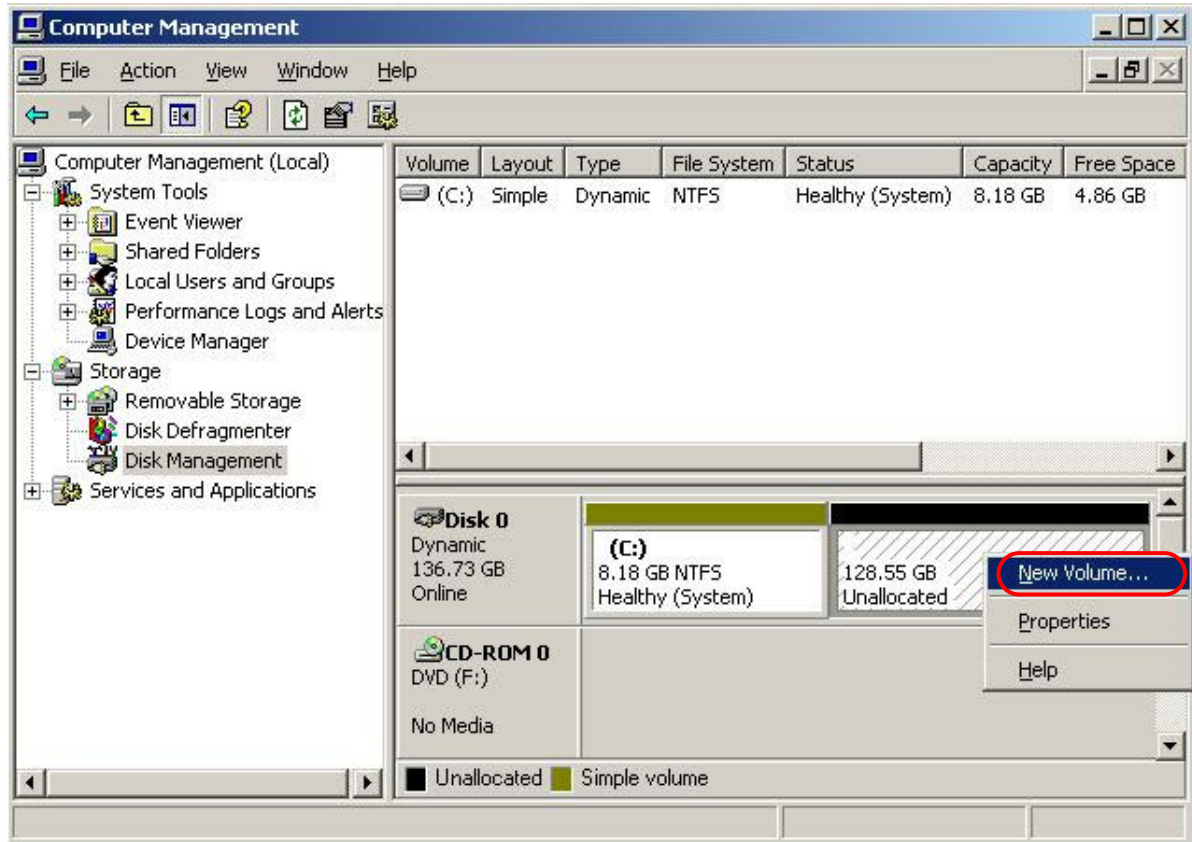
Select the “Yes” button.



Select the “OK” button. The system will now reboot.

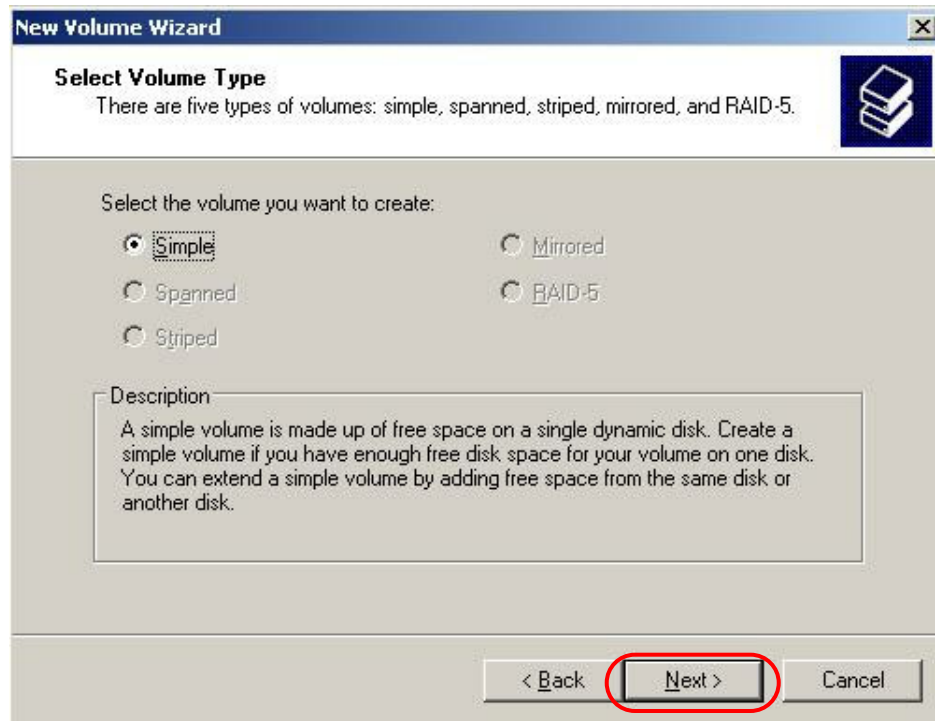


After reboot, log in as Administrator. If a message asks to restart the system, select “NO”. Open the “Computer Management” window. Select “Disk Management”. Select the “unallocated” partition and right click on it. Select “New Volume”. The “Create New Volume Wizard” is displayed.

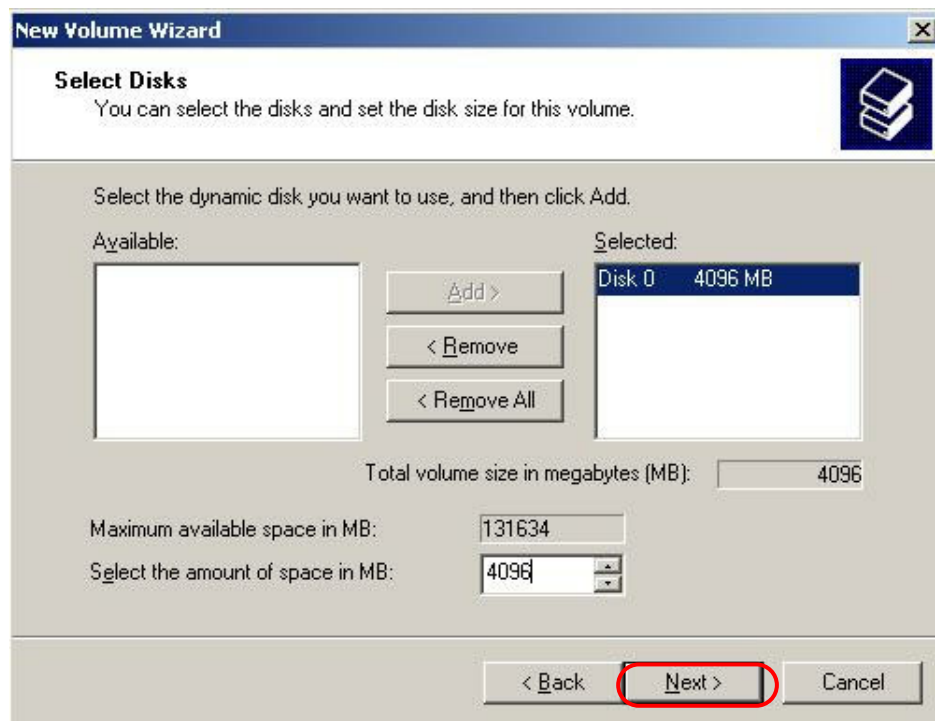


Select the “Next” button.

Click on the “Next” button.

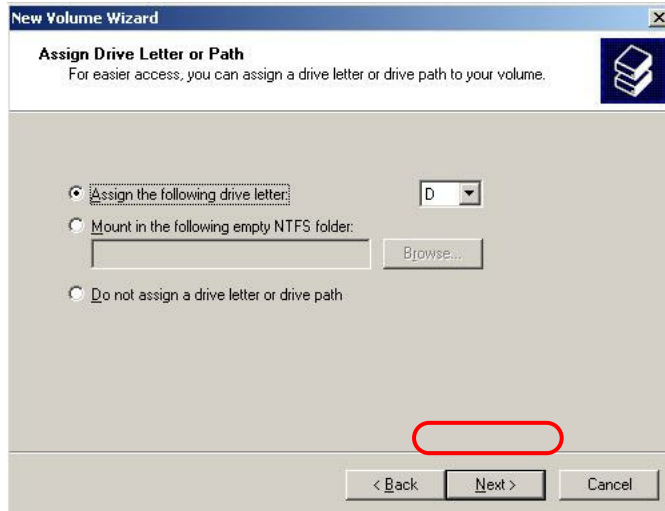


Enter “4096” for the “Select the amount of space in MB” section.

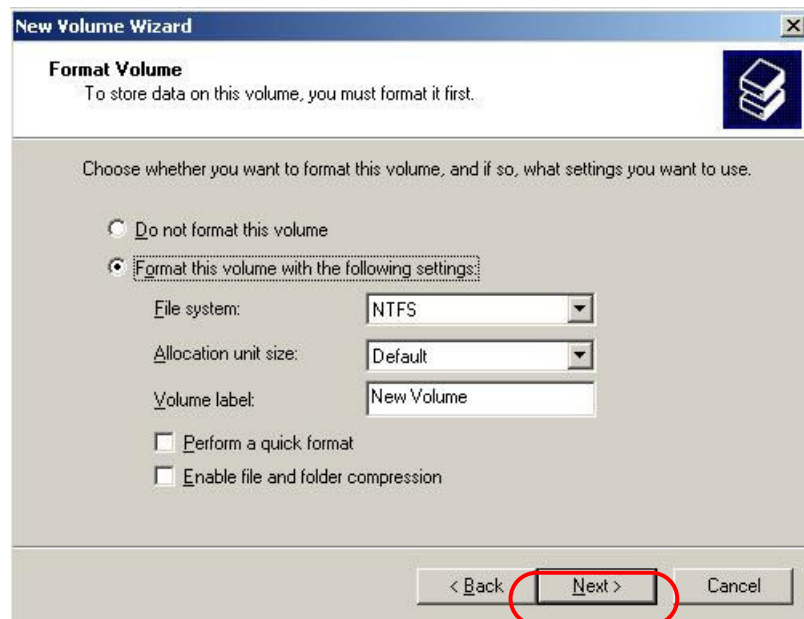


Select the “Next” button.

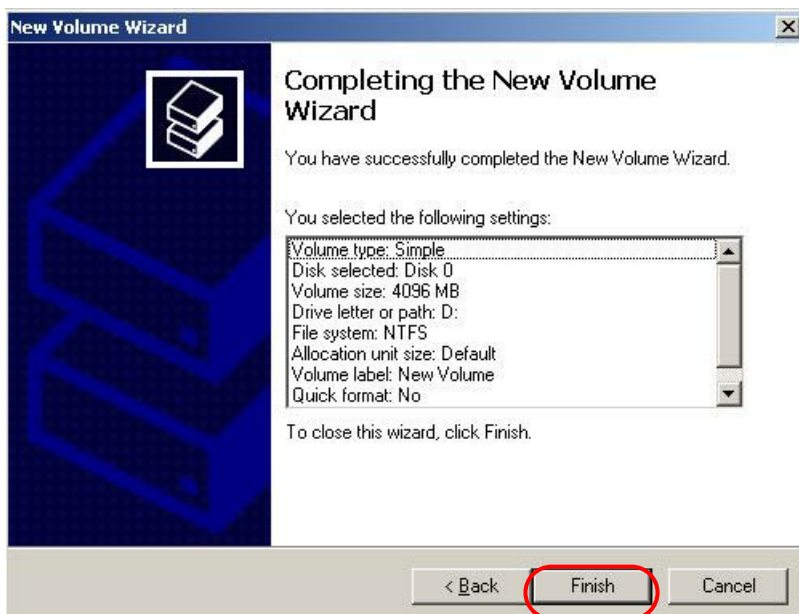
Select the “Next” button.



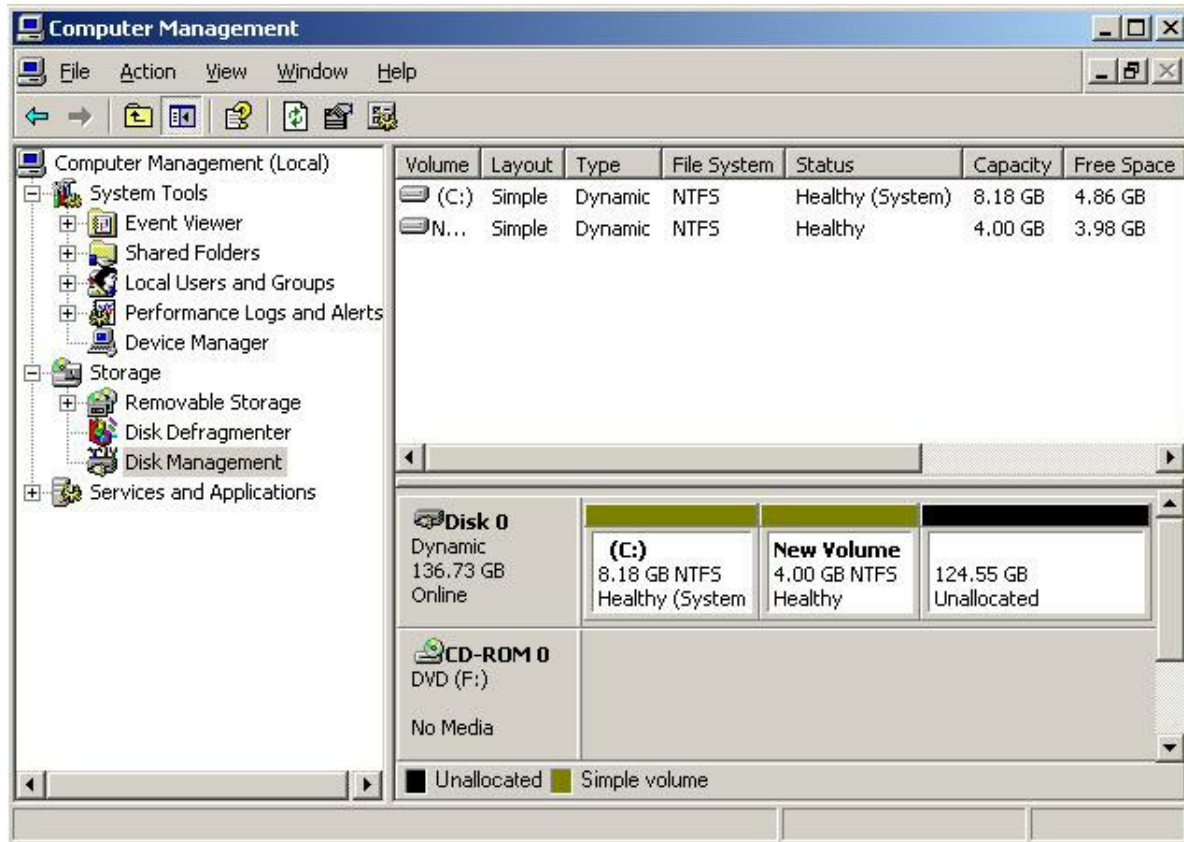
Select the “Next” button.



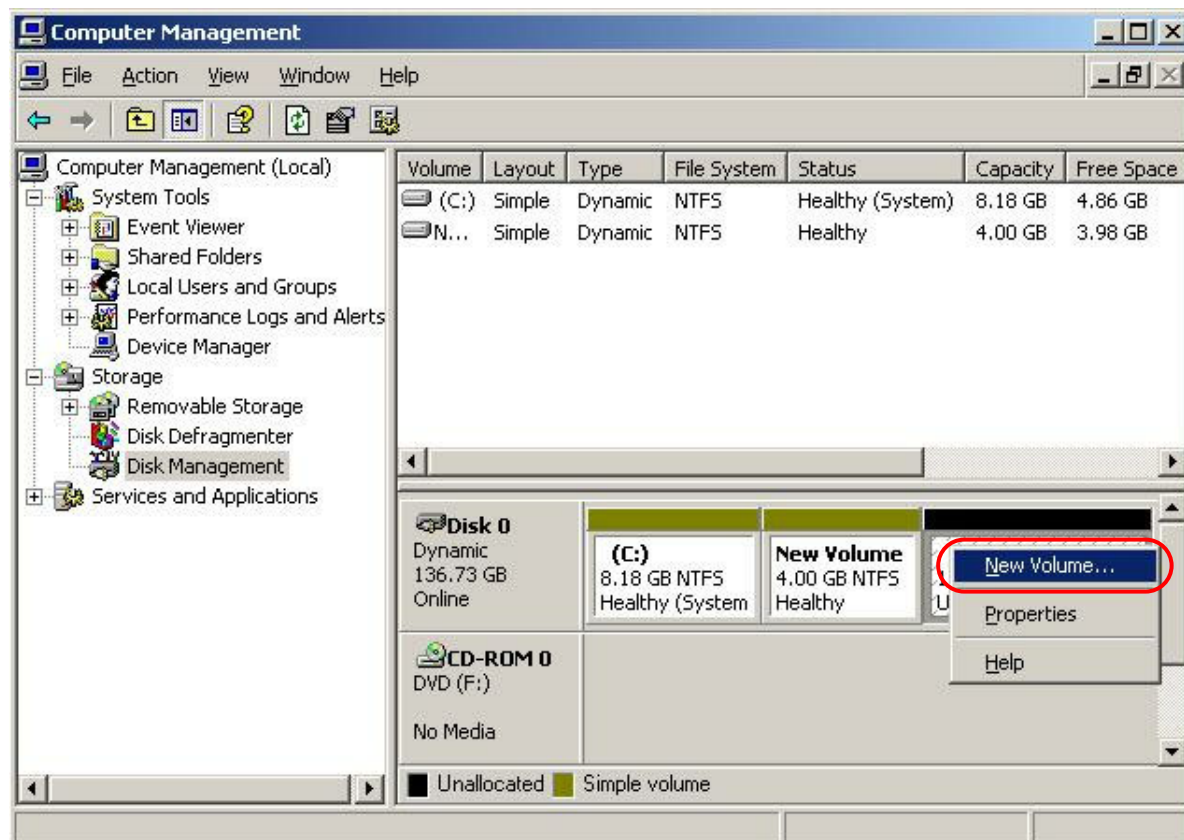
Select the “Finish” button.



The new volume is displayed “Healthy” after the formatting process has completed.



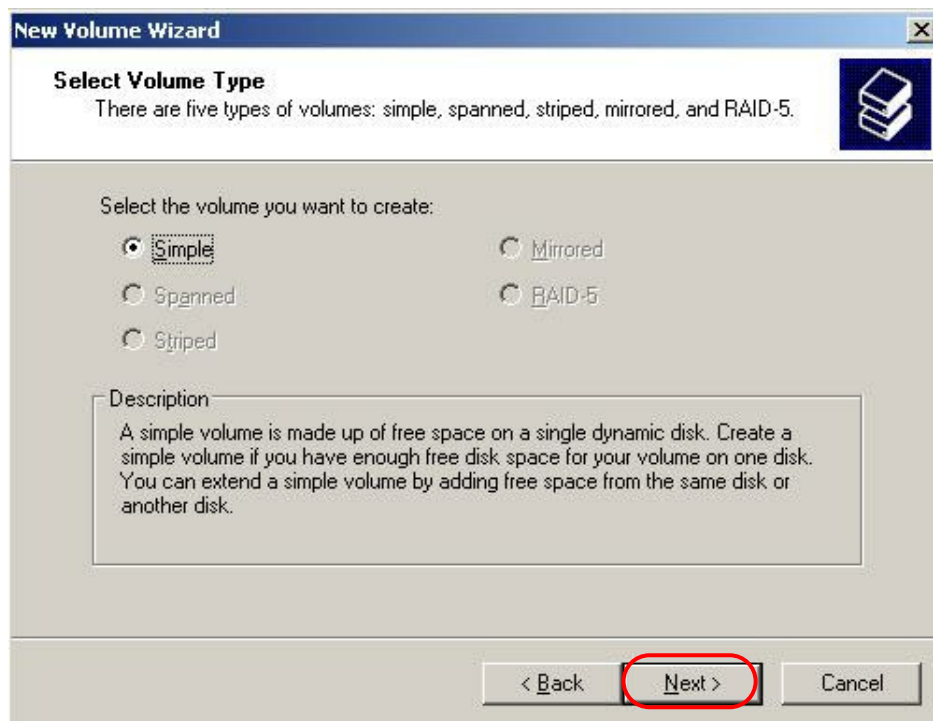
Right-Click on the “Unallocated” space and select “New Volume”.



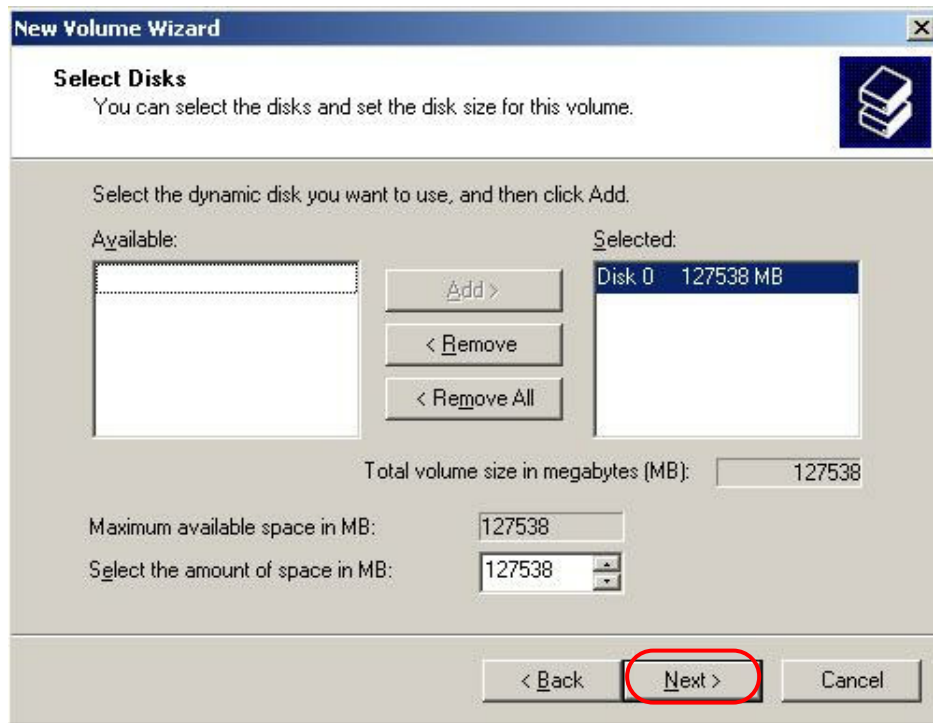
The “New Volume Wizard” is displayed. Select the “Next” button.



Select the “Next” button.

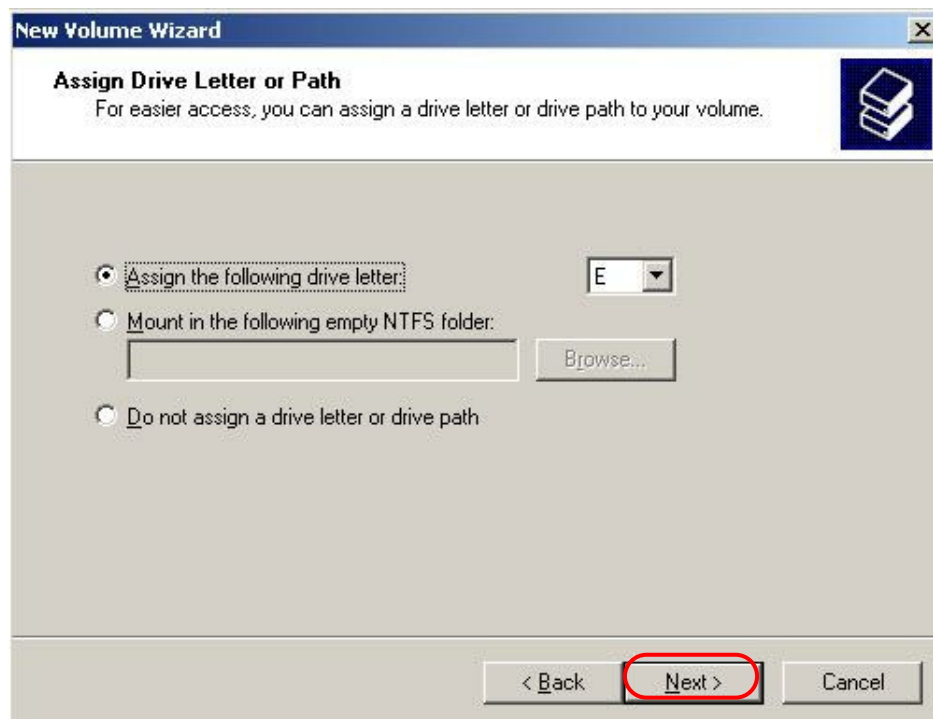


Select the “Next” button.

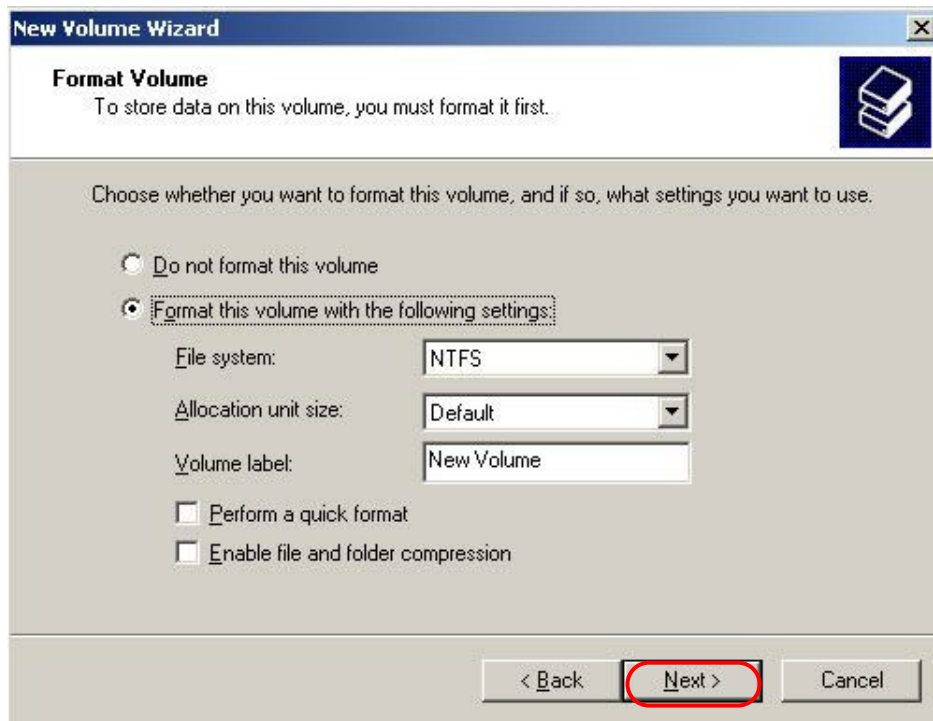


Note: Available Disk space maybe different to the space shown above. It depends on the size of the hard disks used.

Select the “Next” button.



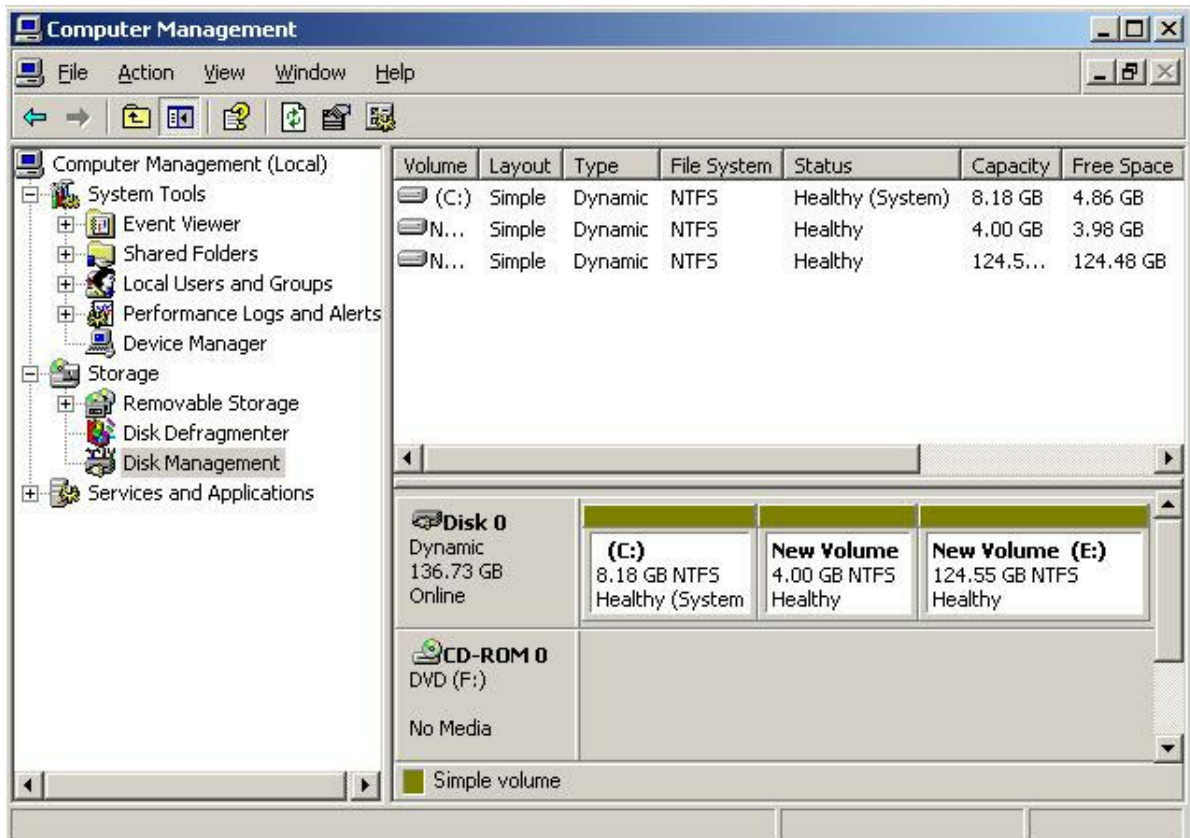
Select the “Next” button.



Select the “Finish” button.



The following window is displayed.

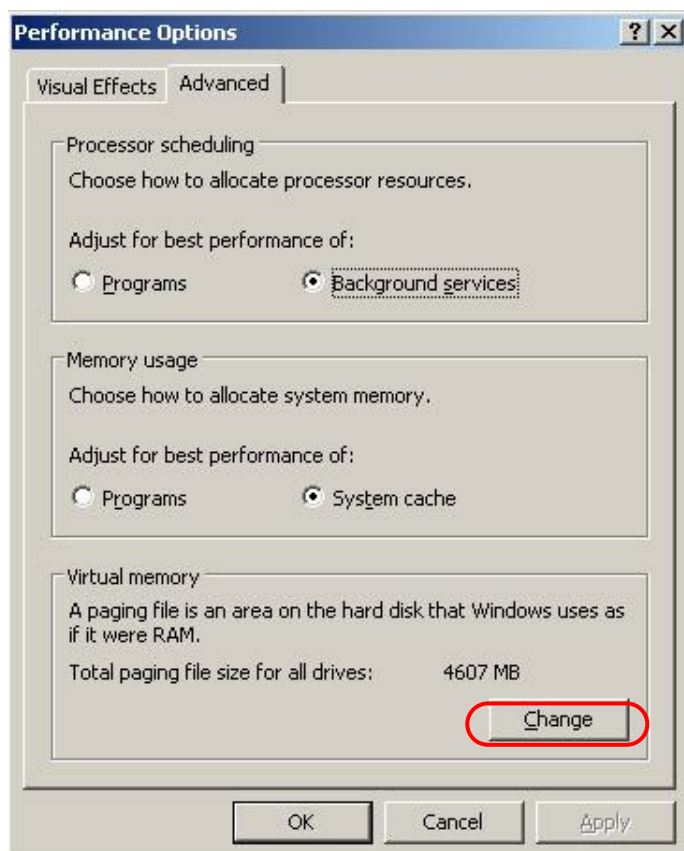
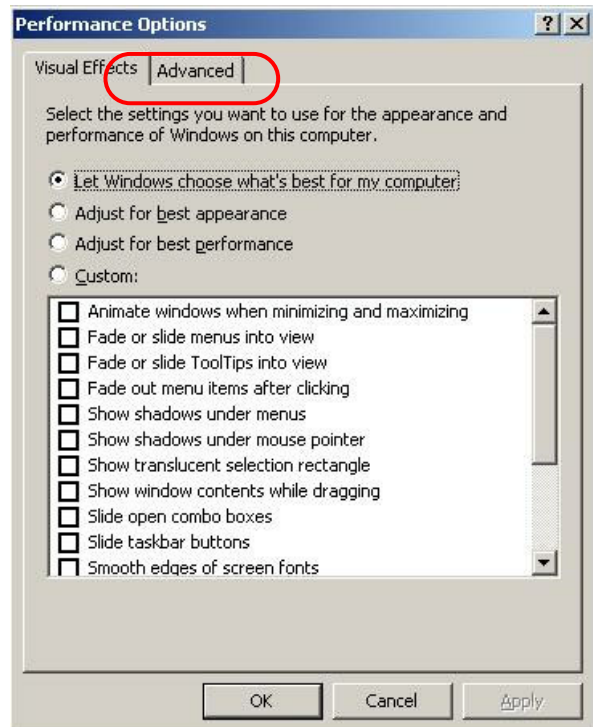
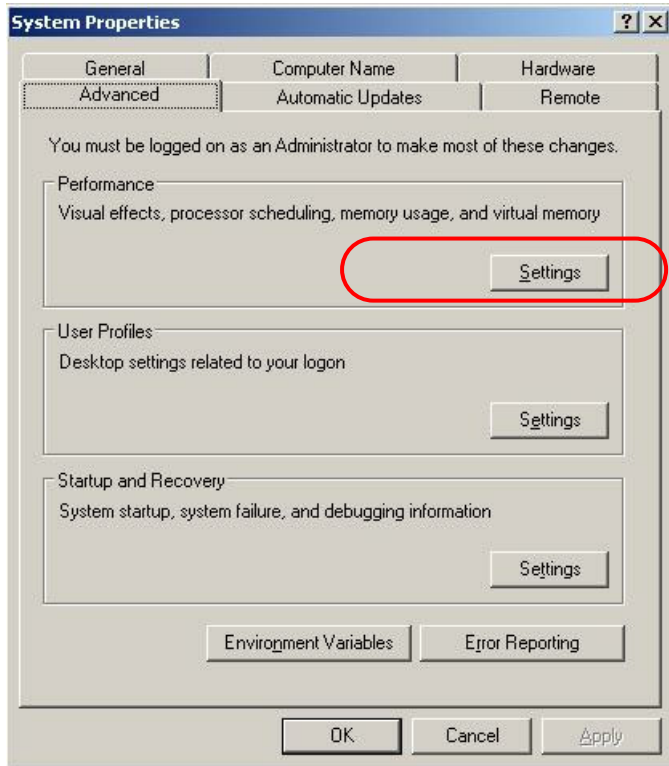


This completes the Disk Drive configuration for non RAID enabled systems.

Close the "Computer Management" window.

3.16 Configuring Virtual Memory

Right click on “My Computer” Icon on the desktop and select “Properties”. Select the “Advanced” Tab. Select Performance “Settings” then select the “Advanced” button as shown below.



Select the “Change” Tab

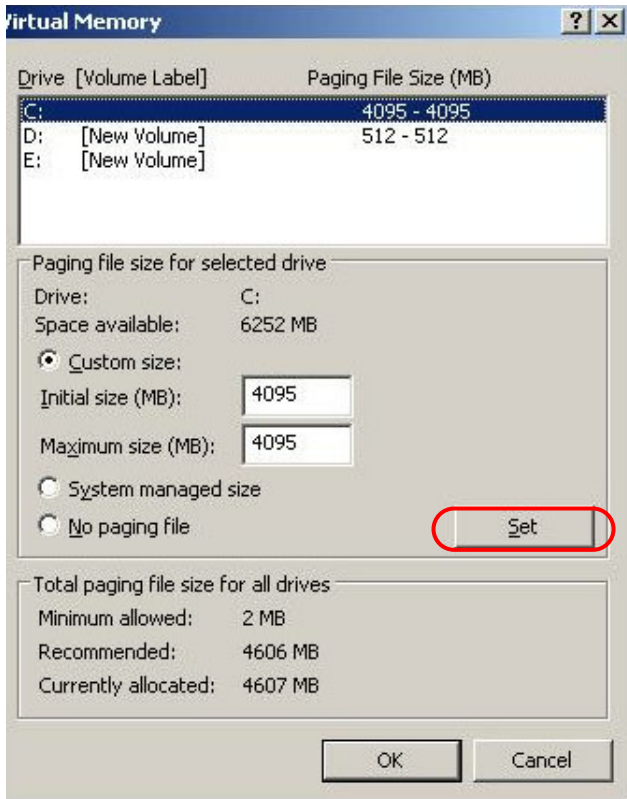
The following window appears.

Select the “C” Drive and set the “Initial Size” to 4095 and the “Maximum Size” to 4095.

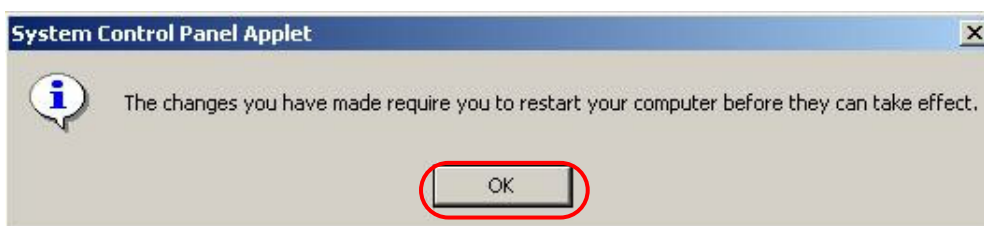
Select the “Set” button.

Select the “D” Drive, Select “Custom Size” and set the “Initial Size” to 512 and the “Maximum Size” to 512.

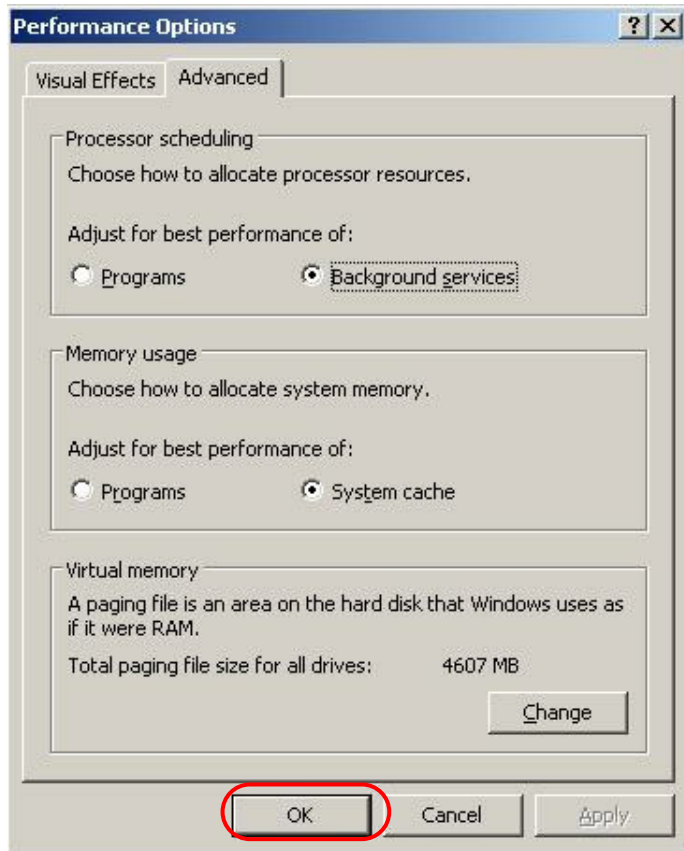
Select the “Set” button. Select the “OK” button to exit the “Virtual Memory” setup window.



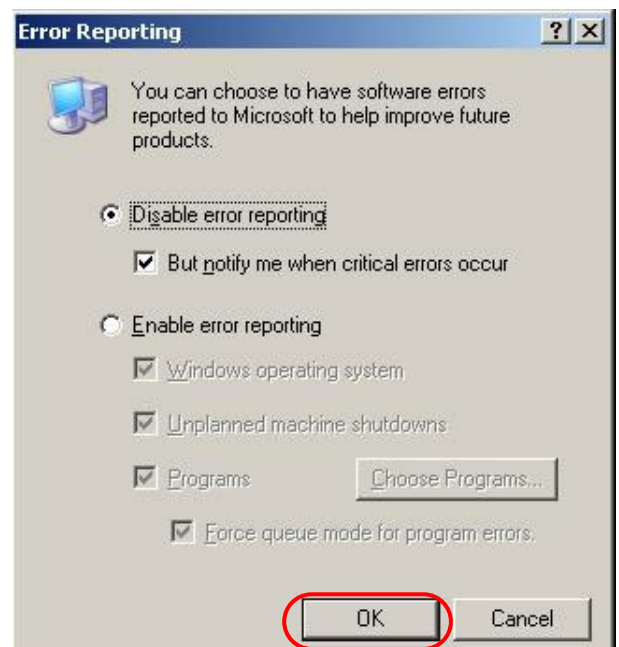
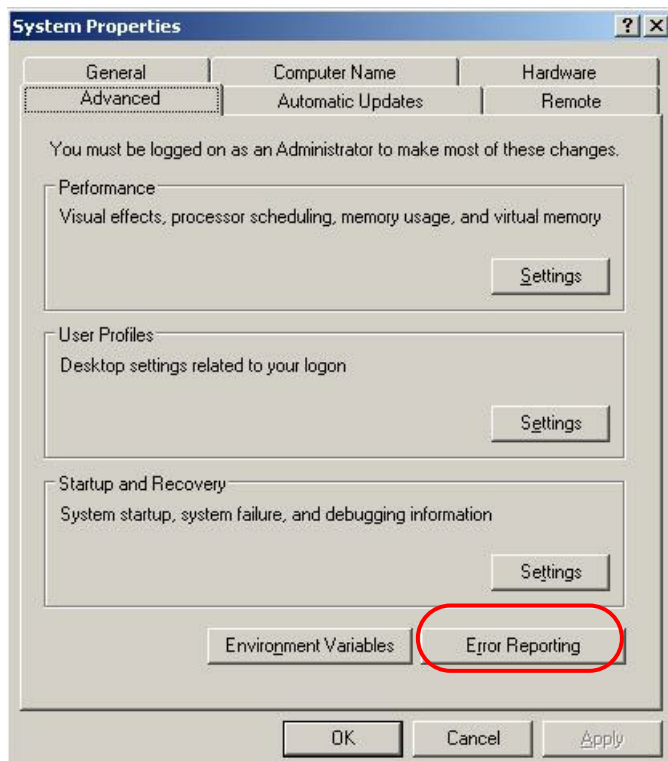
If the following window is displayed. Select “OK”



Select the “OK” button.



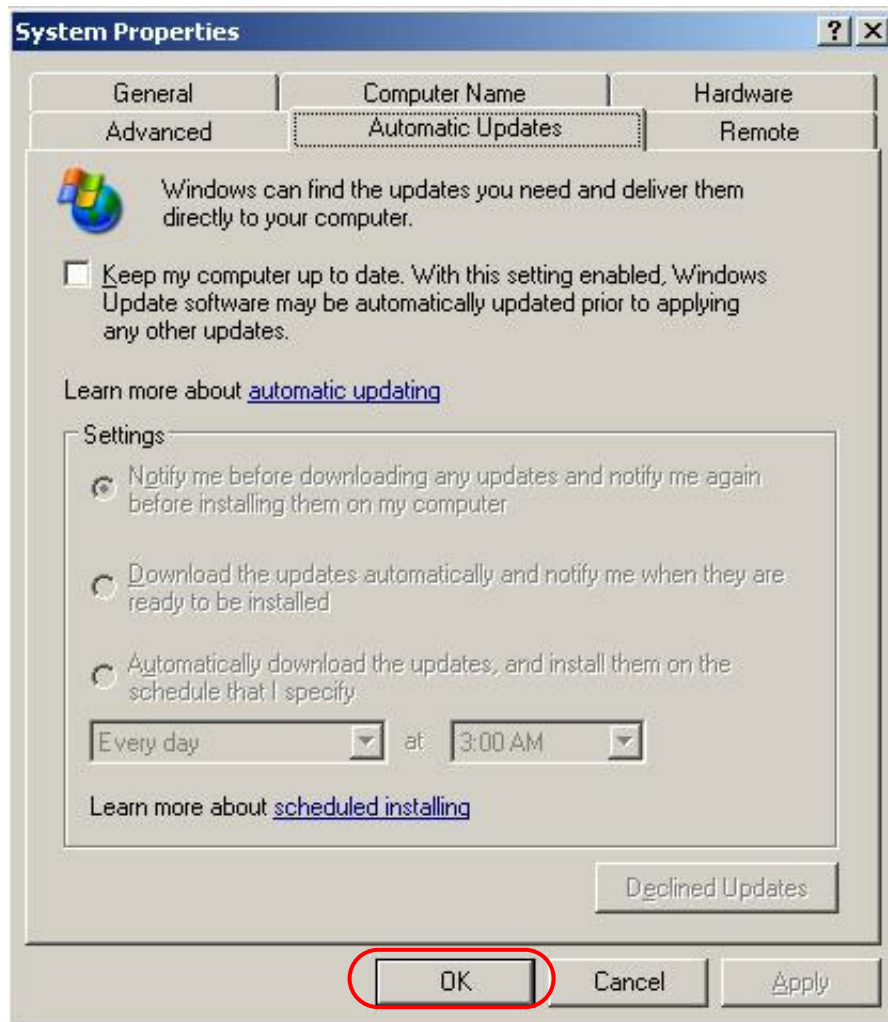
Select the “Error Reporting” Tab. Disable Error Reporting and select the “OK” button to exit.



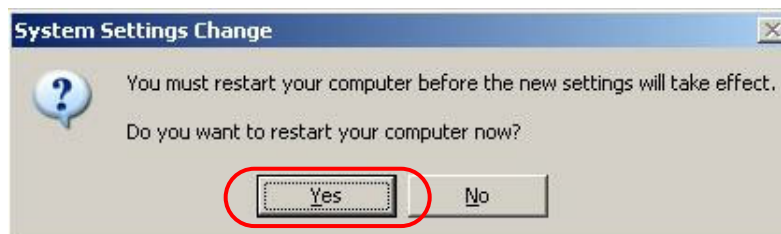
Select the “Automatic Updates” tab.

The following window is displayed. Tick OFF the Automatic Update facility as shown below.

Select the “OK” button to exit.

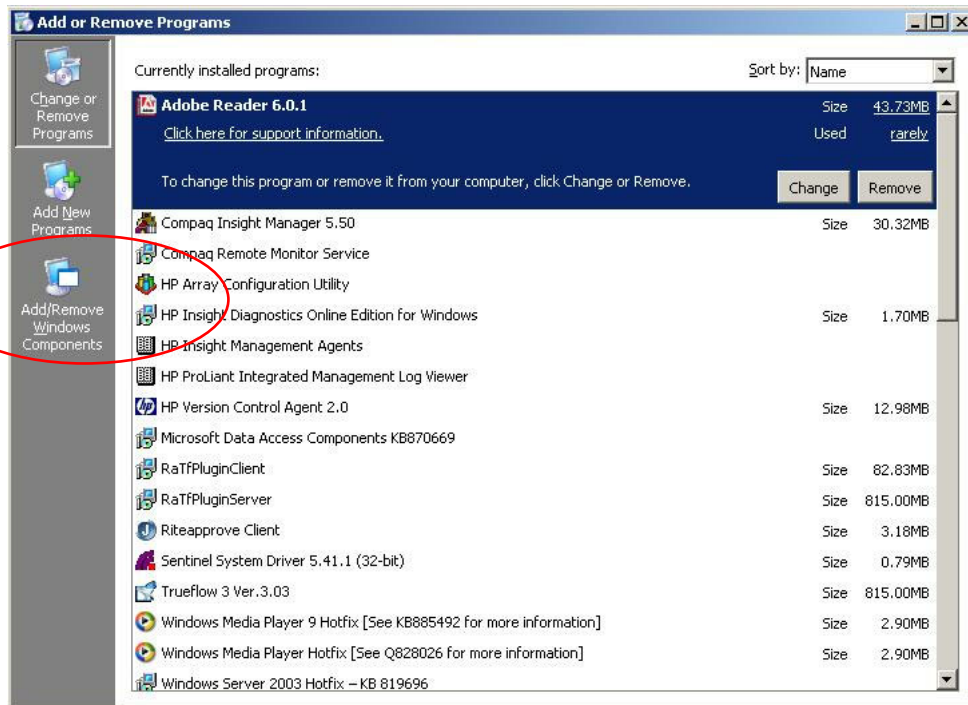


If the following window is displayed, Select “Yes” to restart the system.



3.17 Installing File Services for Macintosh.

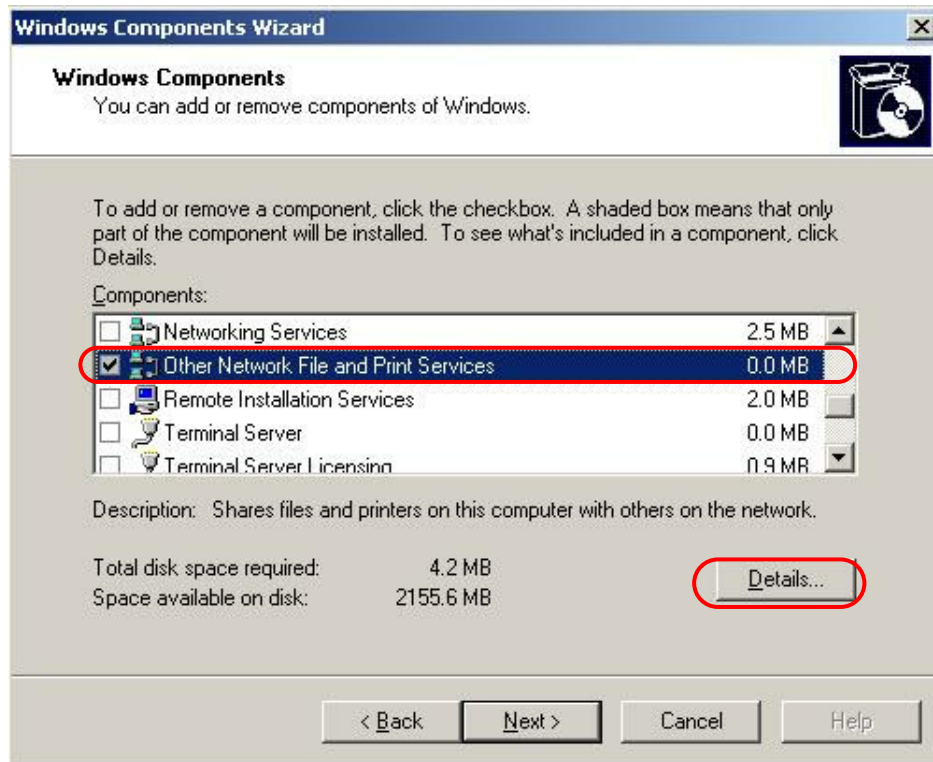
After reboot, log in as “Administrator” and Select “StartMenu/Settings/ControlPanel/AddRemove Programs” . Select “Add/Remove Windows Components”



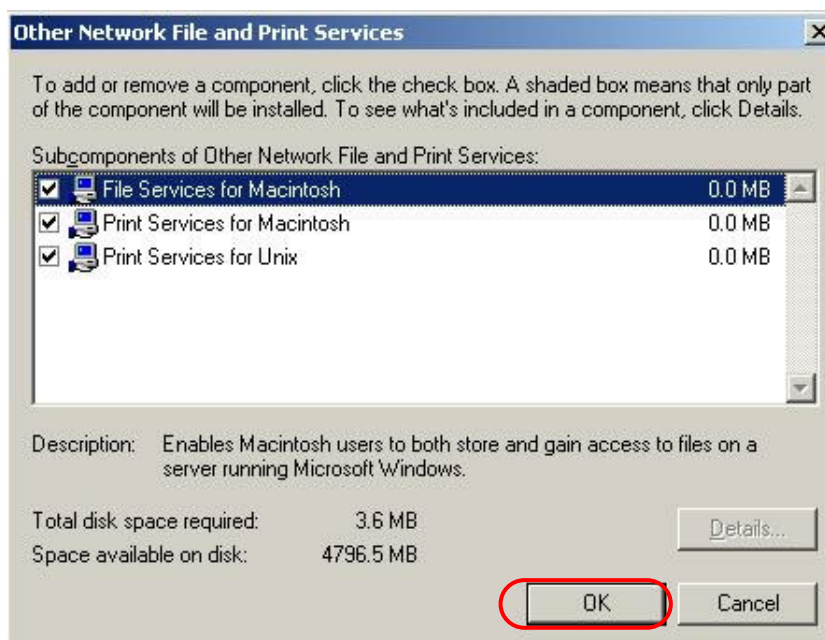
The following window is displayed. Do NOT select the “Next” button.



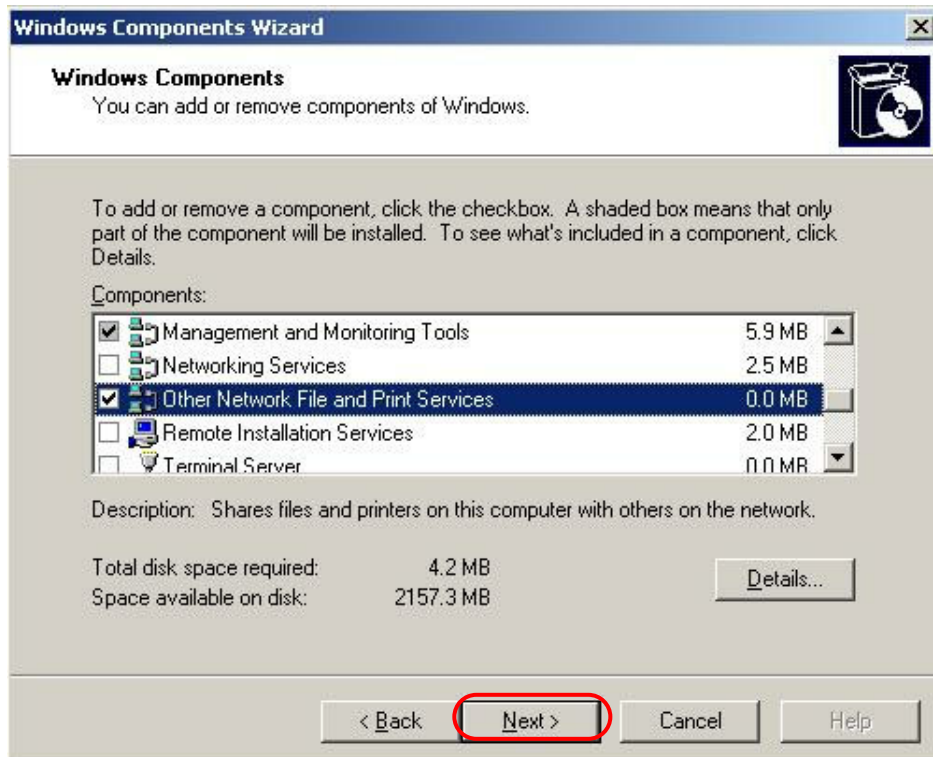
Scroll down and select “Other Network File and Print Services”.
Select the “Details” button.



Ensure all the components are checked and select “OK”.

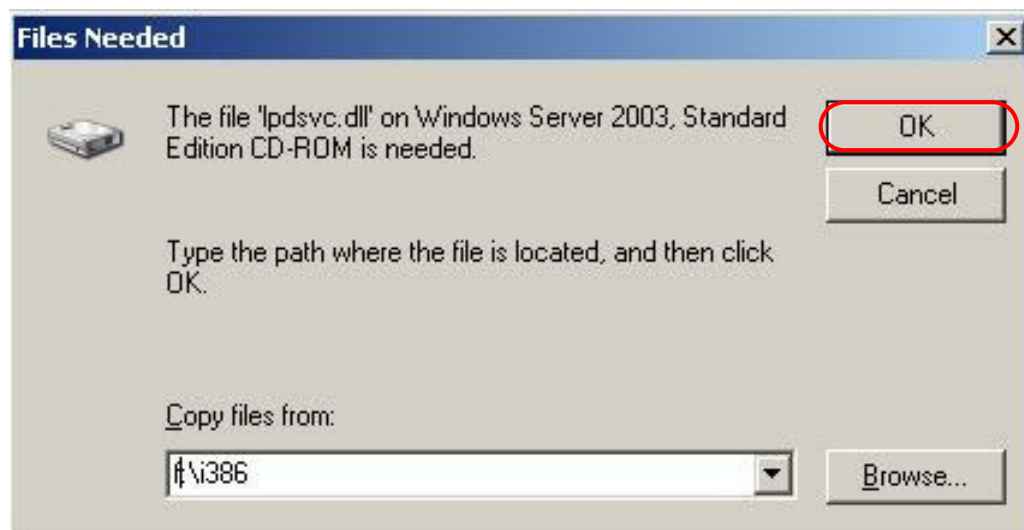


Select the “Next” button.



The following window may appear. Insert the Windows 2003 Server CD into the CDROM drive. Change “Copy files from D:\i386” to F:\i386. This window may appear a few times.

Select the “OK” button each time.



The following window is displayed when the component has been installed successfully. Select the “Finish” button to exit.



Close the “Add or Remove Programs” window.

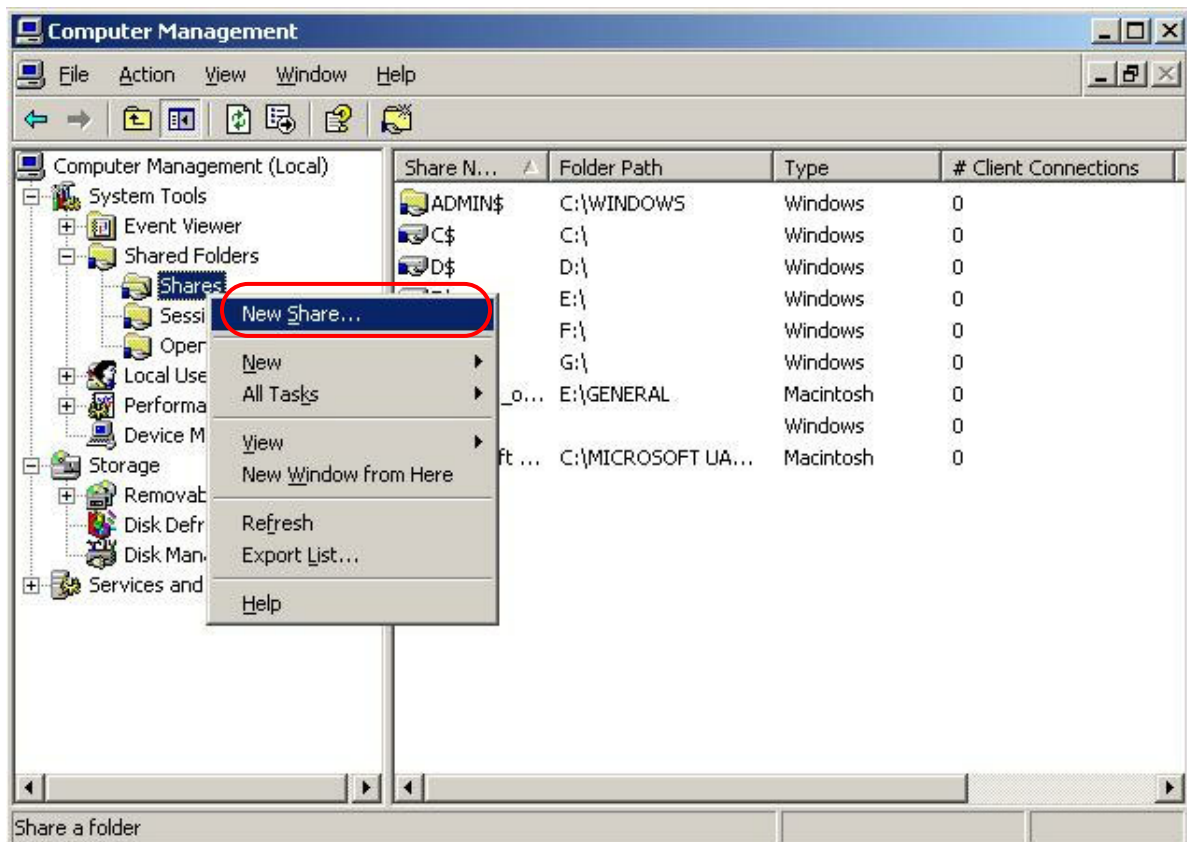
3.18 Sharing Folders

[Note:- This section should be carried out after the Trueflow Software has been installed.]

The following folder should be shared for the Macintosh :- C:\TFInstall

The folder E:\General should be shared for the Macintosh and Windows.

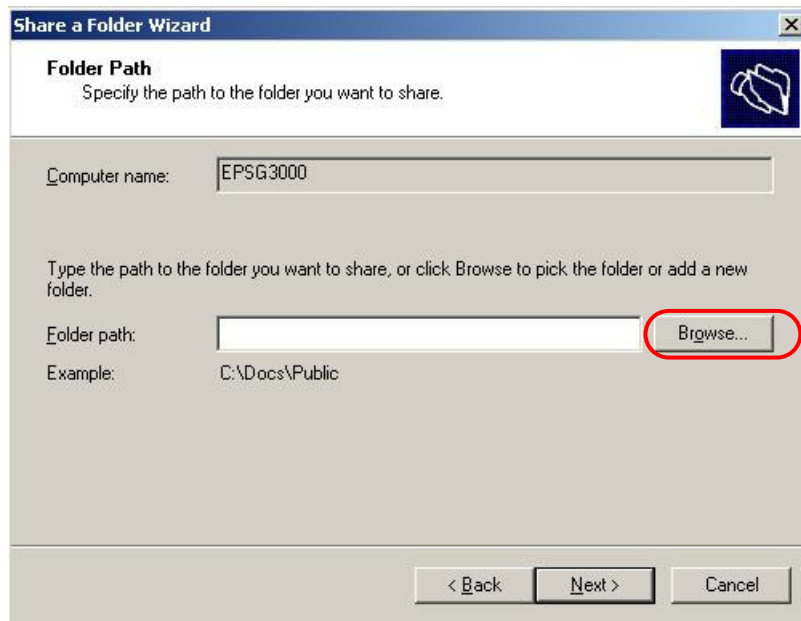
The “Computer Management” window is displayed. Select the “Shared Folders, “Shares” icon. Right click on the Right side Window pane and select “New Share”.



The “Share a Folder Wizard” is displayed.



The following window is displayed. Select the “Browse” button to locate the folder you would like to share.



For example, to share a folder named “TFInst” on the “C” Drive :-
(This folder will only exist after the TF Application Software has been installed).

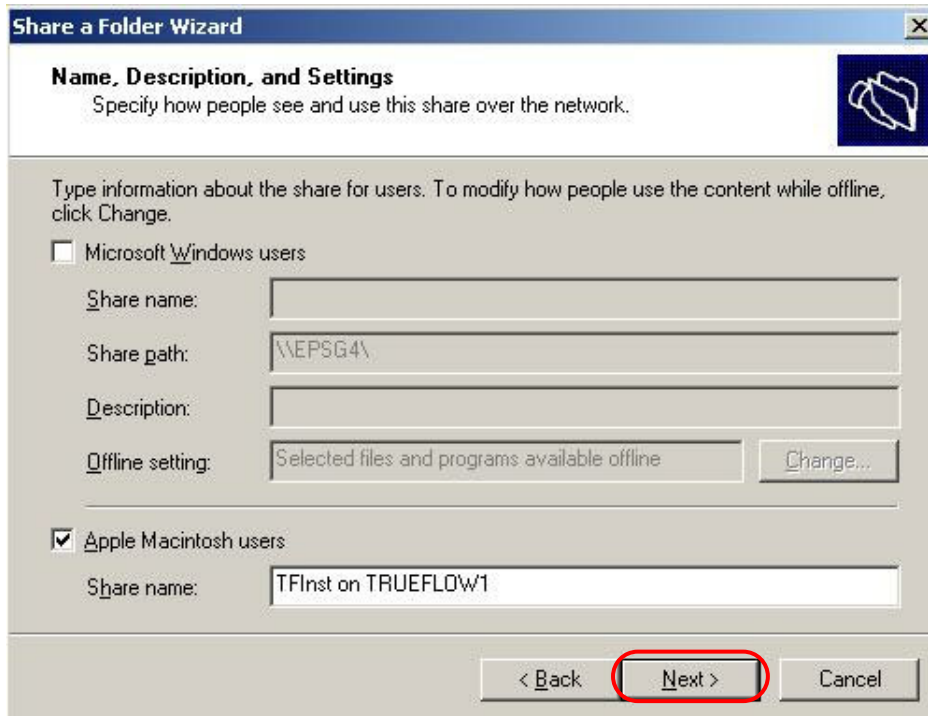


Select the “OK” button.

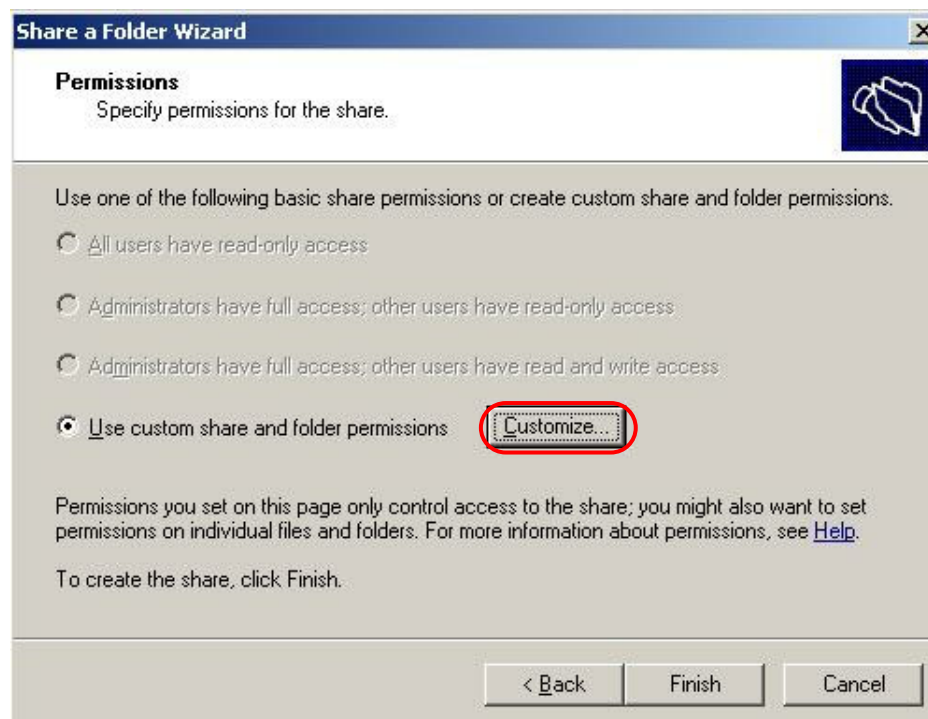
For the TFInst folder ,untick the “Microsoft Windows User” checkbox and enter the required Macintosh Share Name. For example “TFInst on Trueflow1”.

(For the General Folder Tick both the “Apple Macintosh users” and “Microsoft Windows users”)

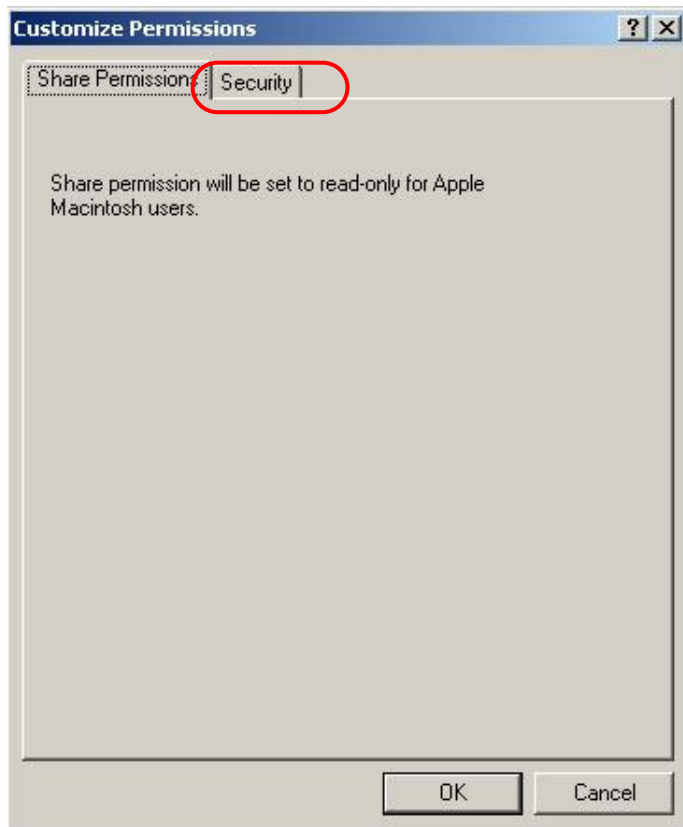
Select the “Next” button.



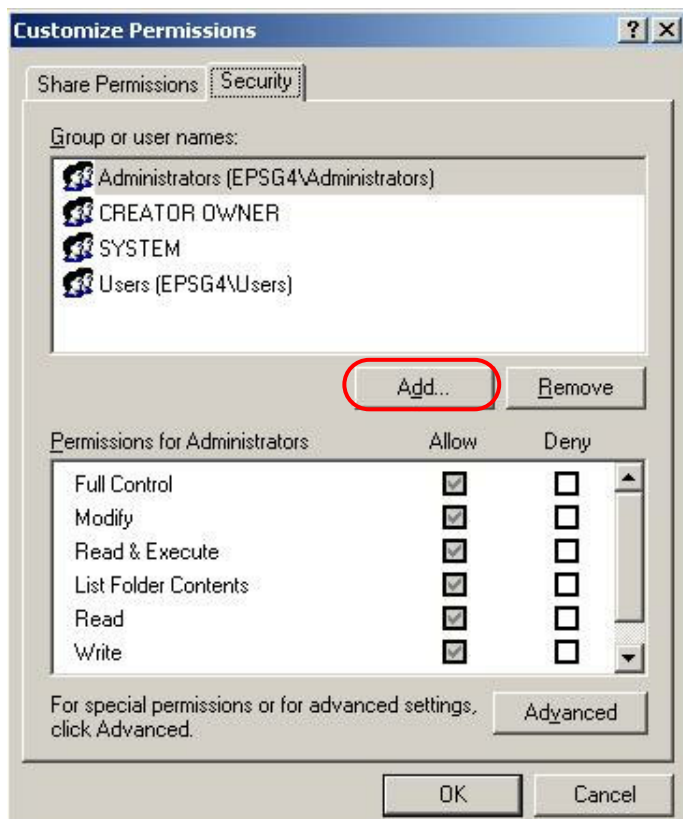
Select the “Customize” button.



Select the “Security” tab.



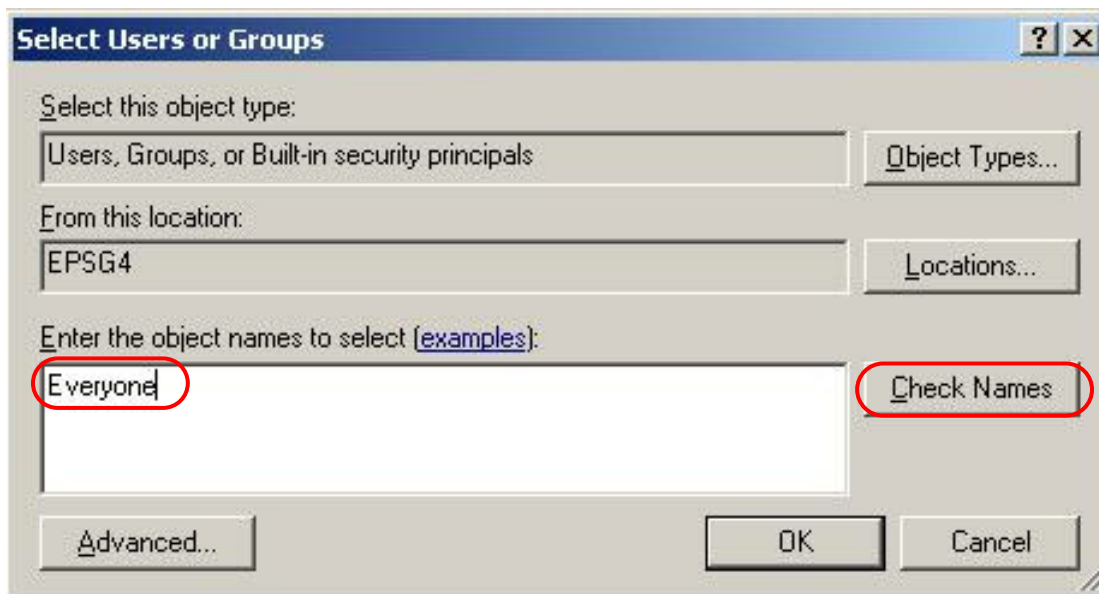
Select the “Add” button.



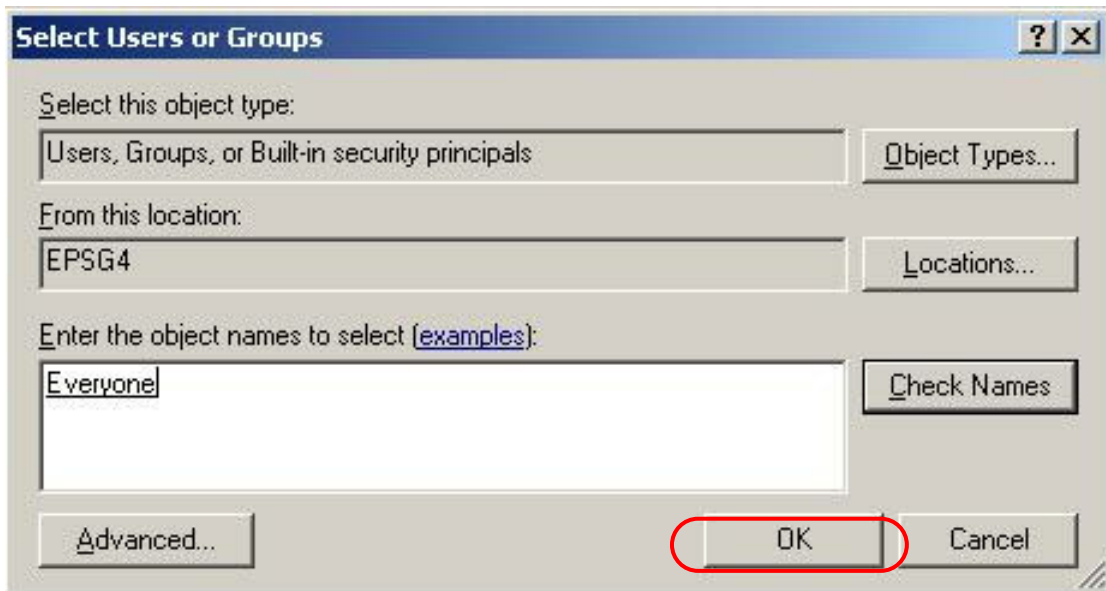
The following window is displayed.



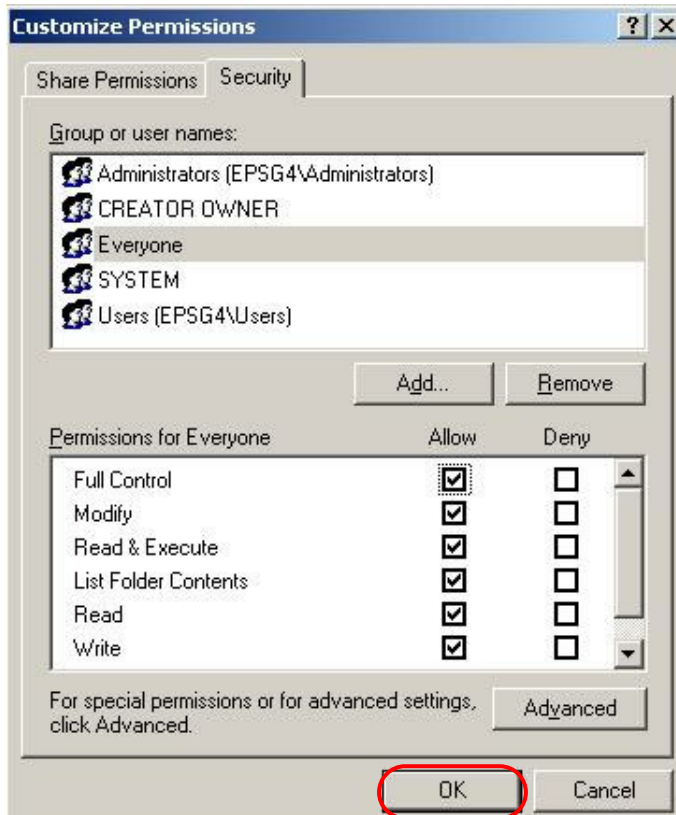
Enter the object name "Everyone", then select the "Check Names" button



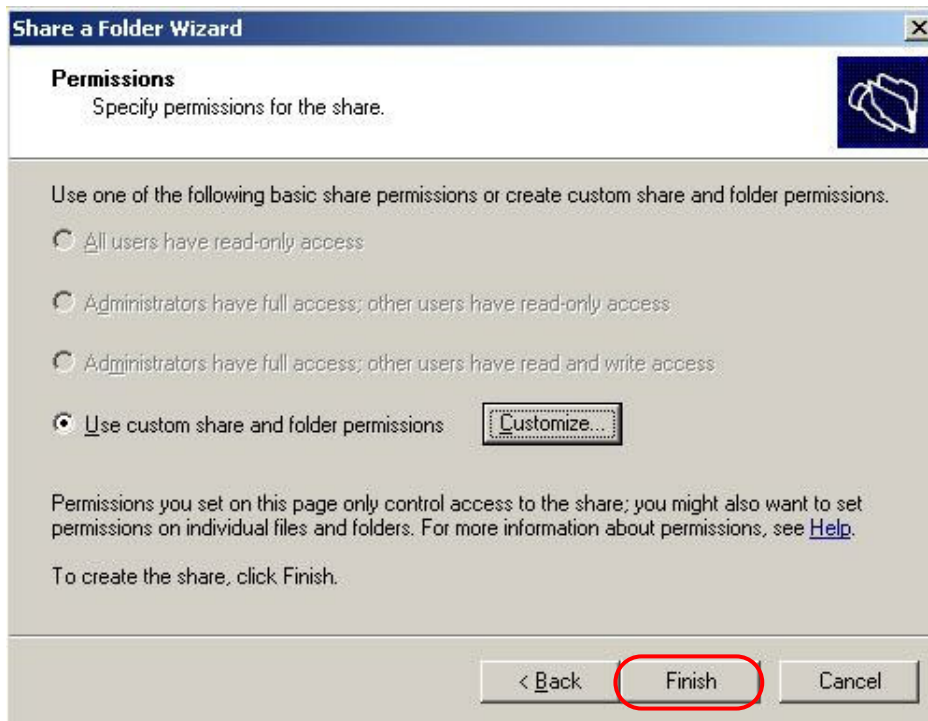
Select the “OK” button.



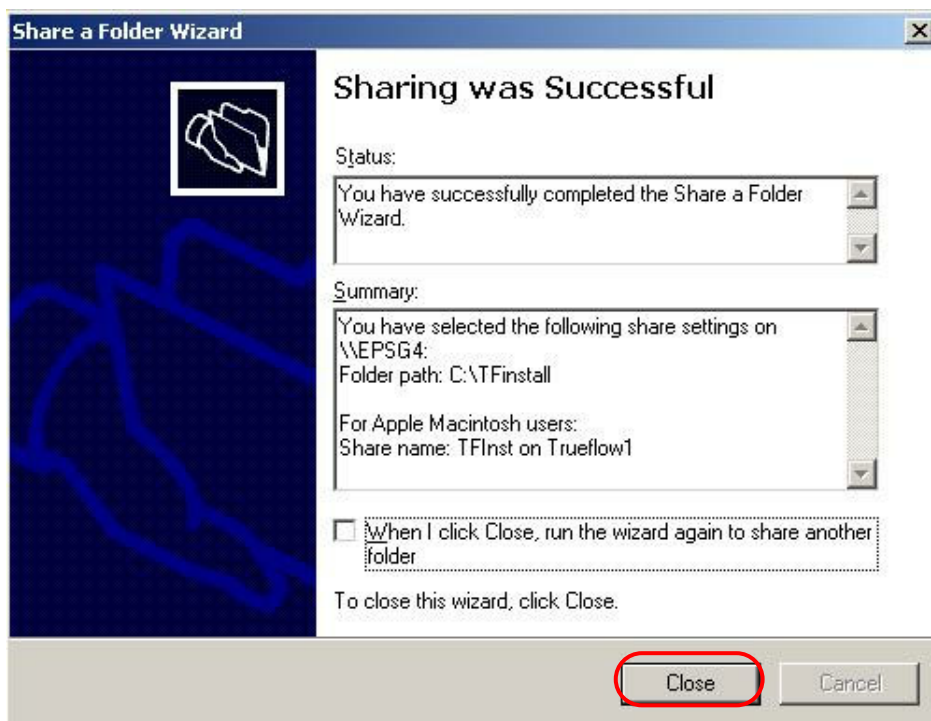
The following window is displayed. Select all the “Permissions for Everyone”. Select the “OK” button.



Select the “Finish” button.

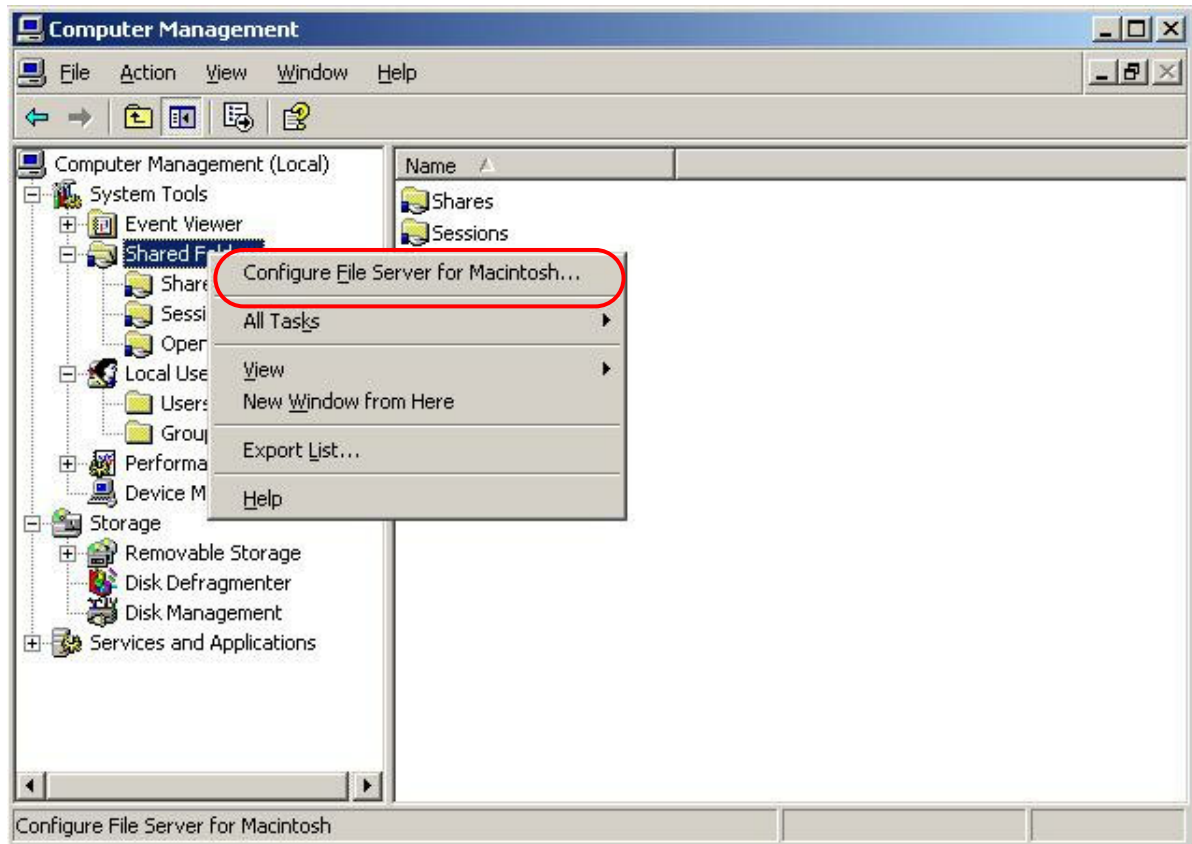


Select the “Close” button.

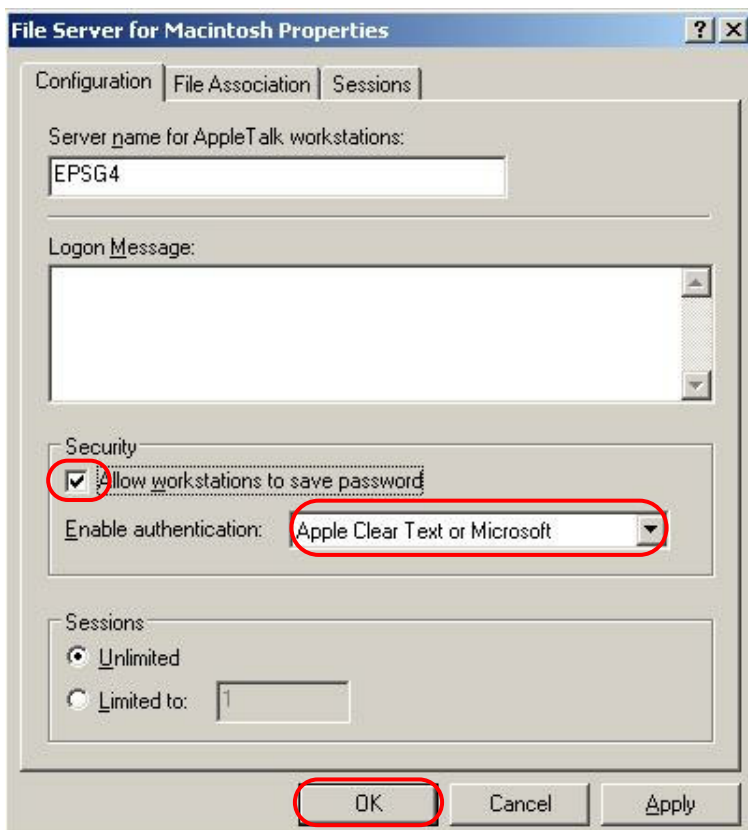


Repeat the procedure for the “E:\General Folder” but this time share the folder to Windows and Macintosh users.

From the “Computer Management” window (Right Click on My Computer, Select “Manage”). Right-Click on “Share Folders” and select “Configure File Server for Macintosh”.



Ensure “Enable Authentication” is set to “Apple Clear Text or Microsoft” and the “Allow workstations to save password” checkbox is ticked on. Select the “OK” button and close the “Computer Management” window.

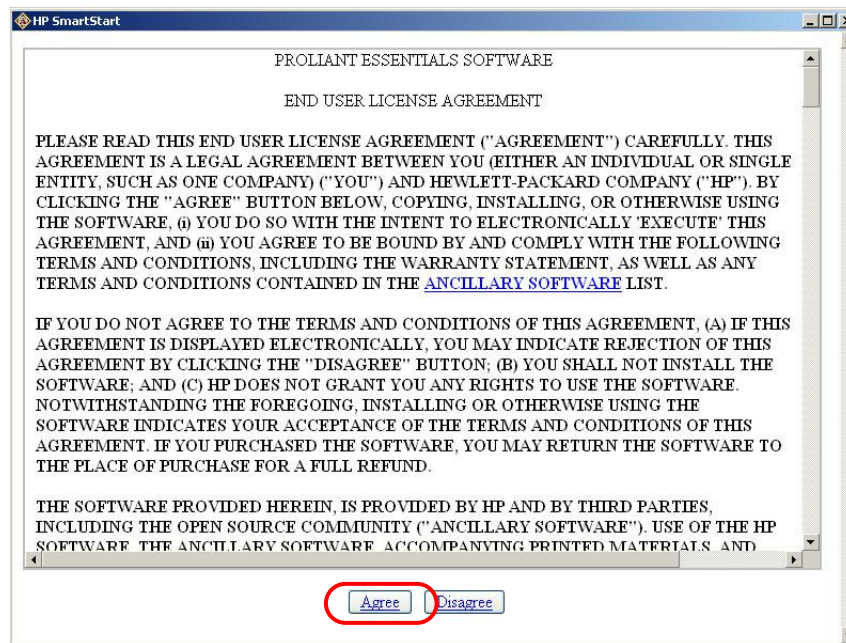


3.19 Installing the HP Support Software

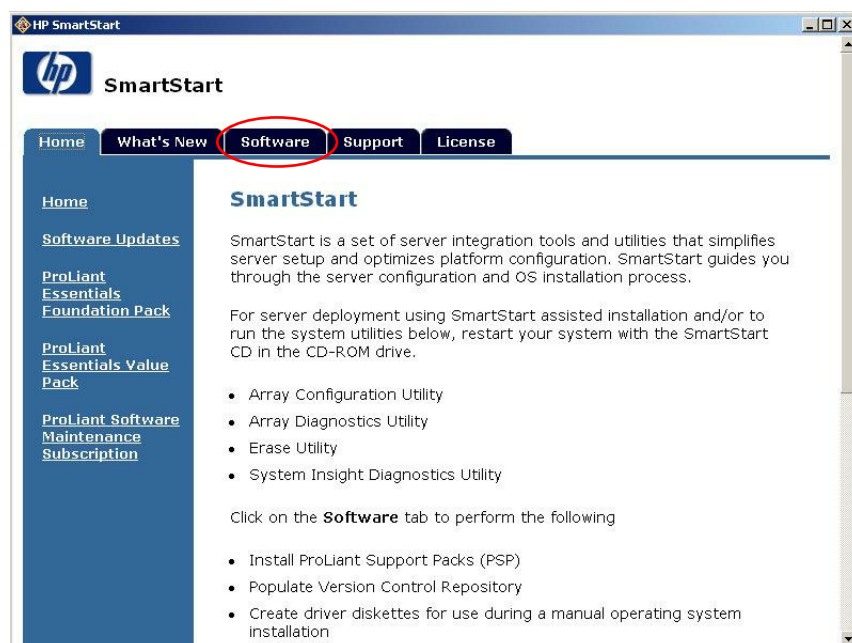
This section is only required if there is a more recent version of the “HP SmartStart ” to be installed than was loaded from the original “SmartStart CD” (see section 2.1), or new hardware has been installed since the original Smartstart Installation, or for some reason a “Windows 2003 Service Pack” has been re-applied since the original Support Paq was loaded.

After reboot, log in as “Administrator”.

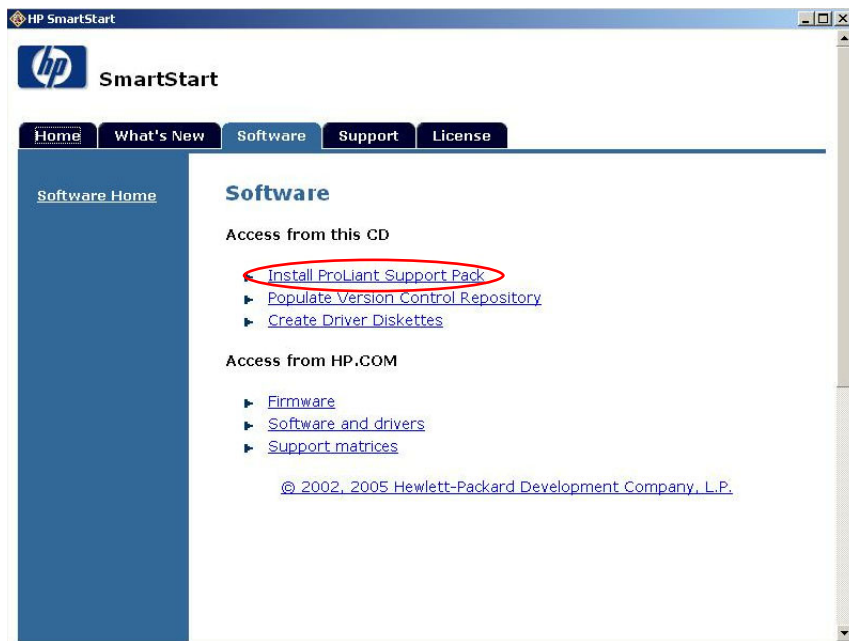
Insert the latest “HP SmartStart ” CD into the CD-Rom Drive. The following window is displayed . Select “I Agree” and press the “OK” button.



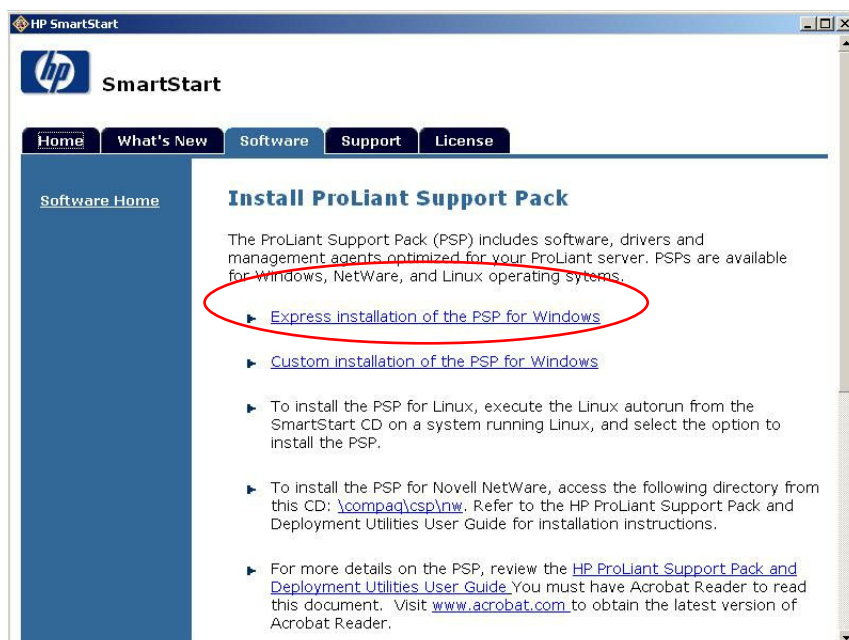
Select the “Software” tab.



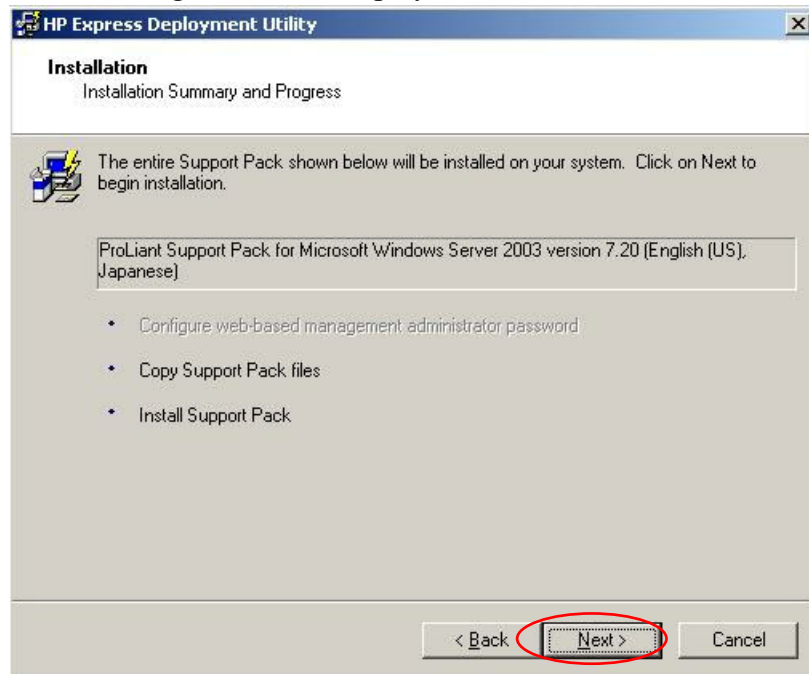
Click on the “Install Support Pack” Link to begin the installation .



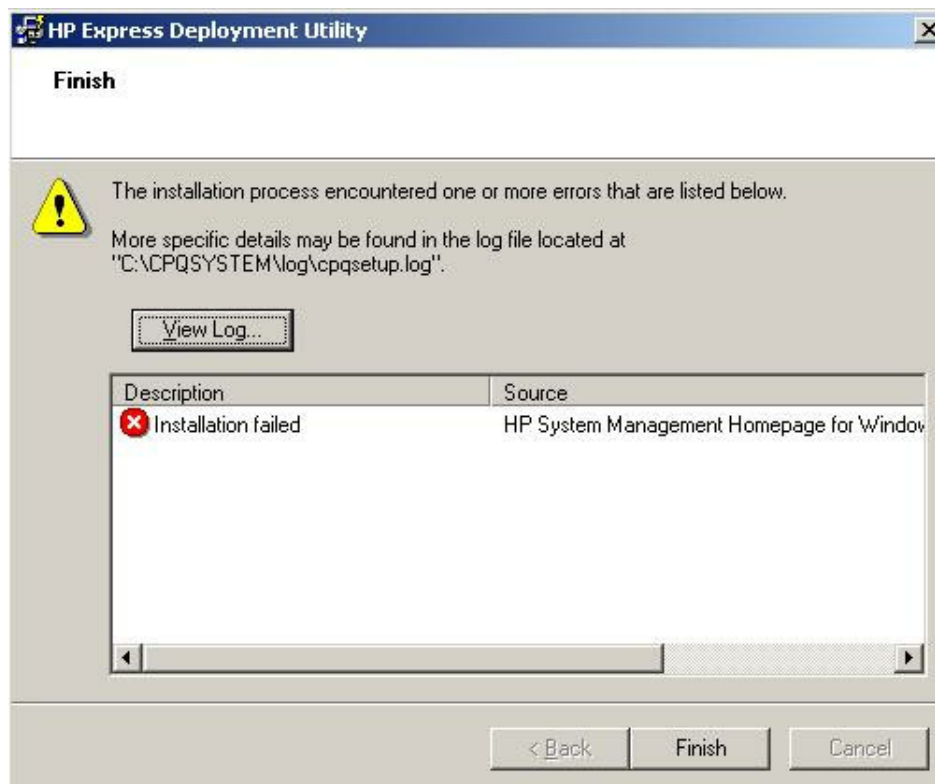
Select the “Express Installation of the PSP for Windows” link.



The following window is displayed



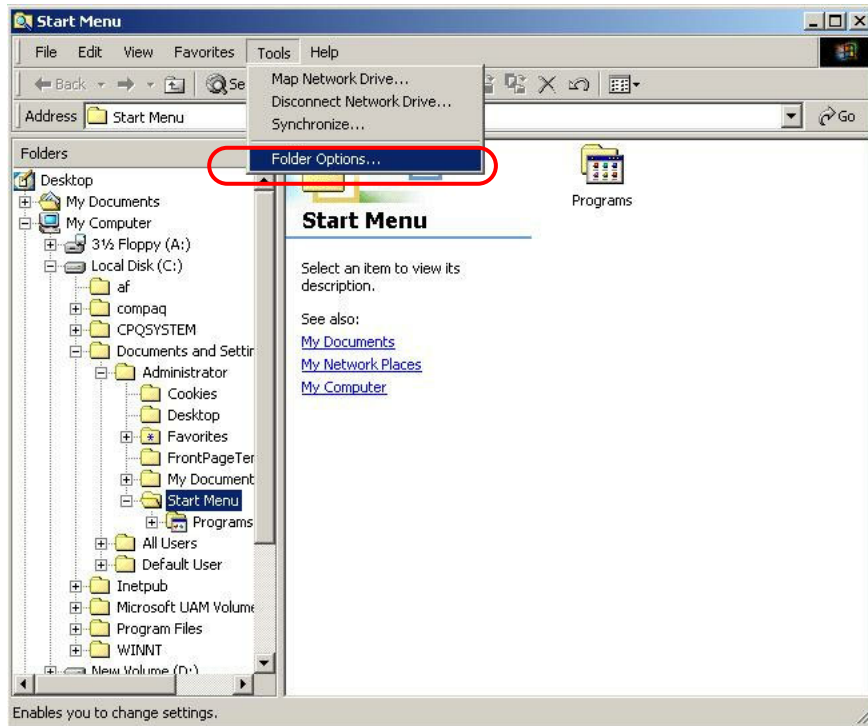
Select the “Next” button. If the following error occurs, just click the “Finish” button. (This error may occur due to the component already being installed).



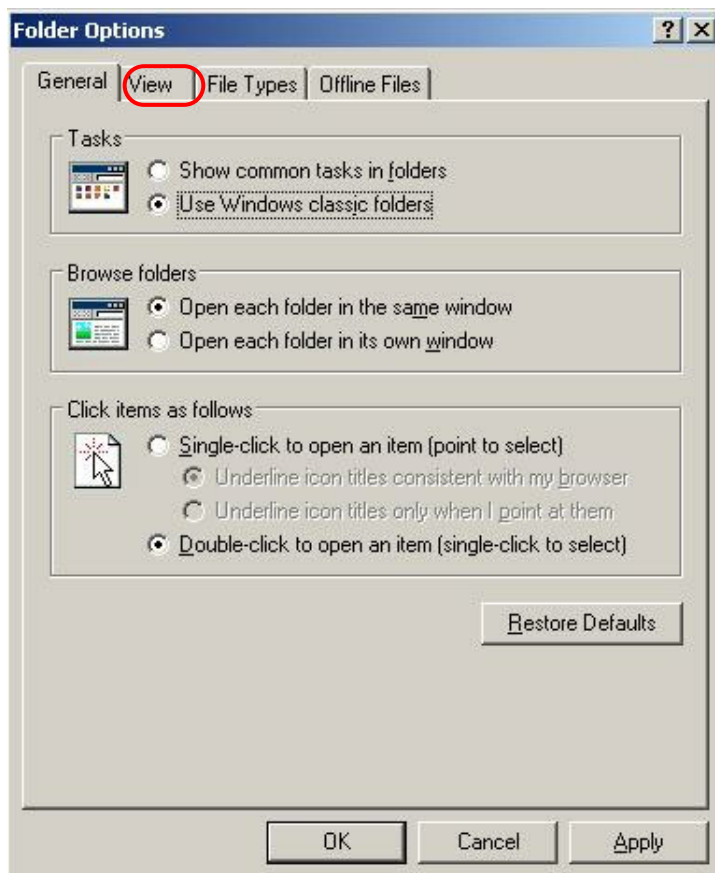
Close the “Smartstart” window.

3.20 Setting the Folder Options

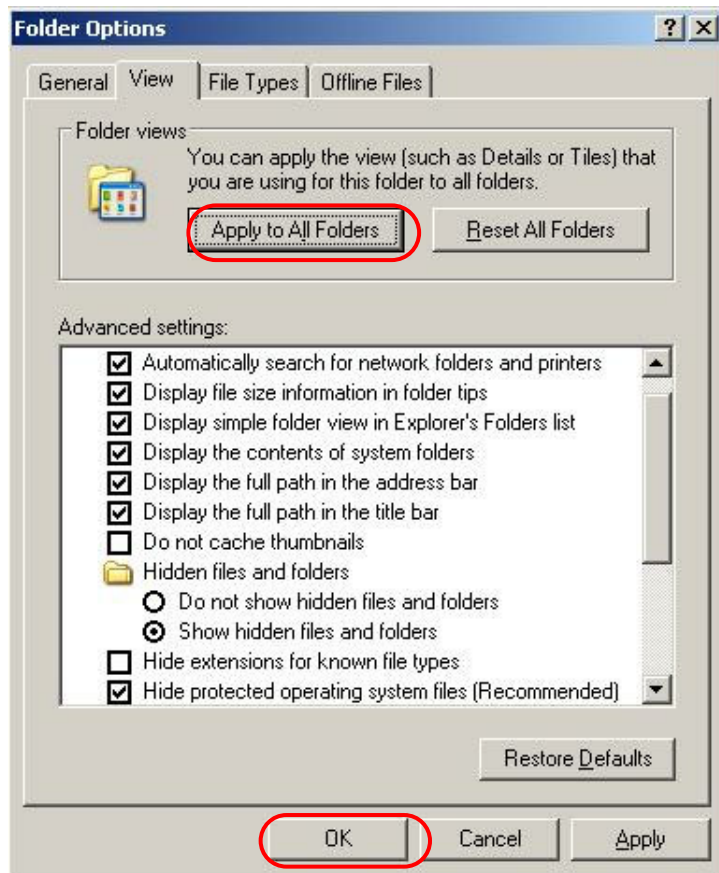
Right-Click on the “Start” Menu icon and select “Explore”.
From the “Tools” menu select “Folder Options”



Make the settings as shown below and select the “View” Tab



Make sure settings are as shown below and select the “Apply to All Folders” button.



If a Confirmation dialog box appears. Click on the “Yes” button.
Select the “OK” button to exit the “Folder Options” window.

4.11 Installation of the PIF Card and loading the PIF Device Driver - Plug and Play Method

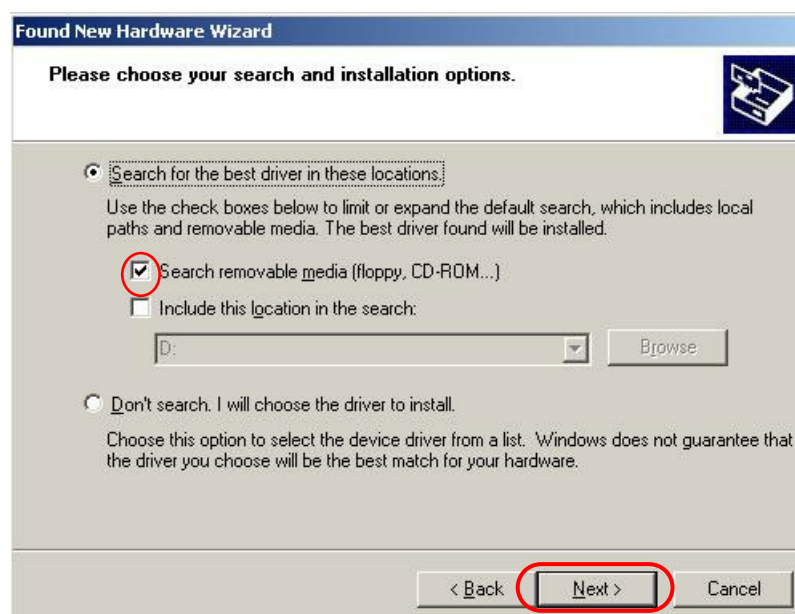
This method can be used when installing the PIF card **after** the system has been installed .
If the system was installed with the PIF card fitted refer to the manual method on page 84.

Install the PIF Card in Slot 4 and turn on the system.

The “Found New Hardware Wizard” is displayed when the system has booted.

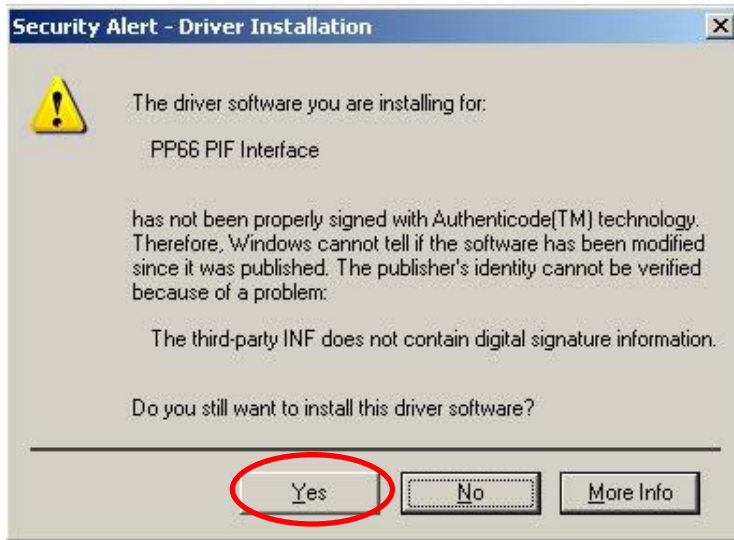


Select “Install from a list or specific location(Advanced)”.
Select the “Next” button.



Select the “Next” button

Insert the “PIF I/F Driver & Updater” CD into the CD Drive.
The following window is displayed. Select “Yes” to install the PIF Driver.



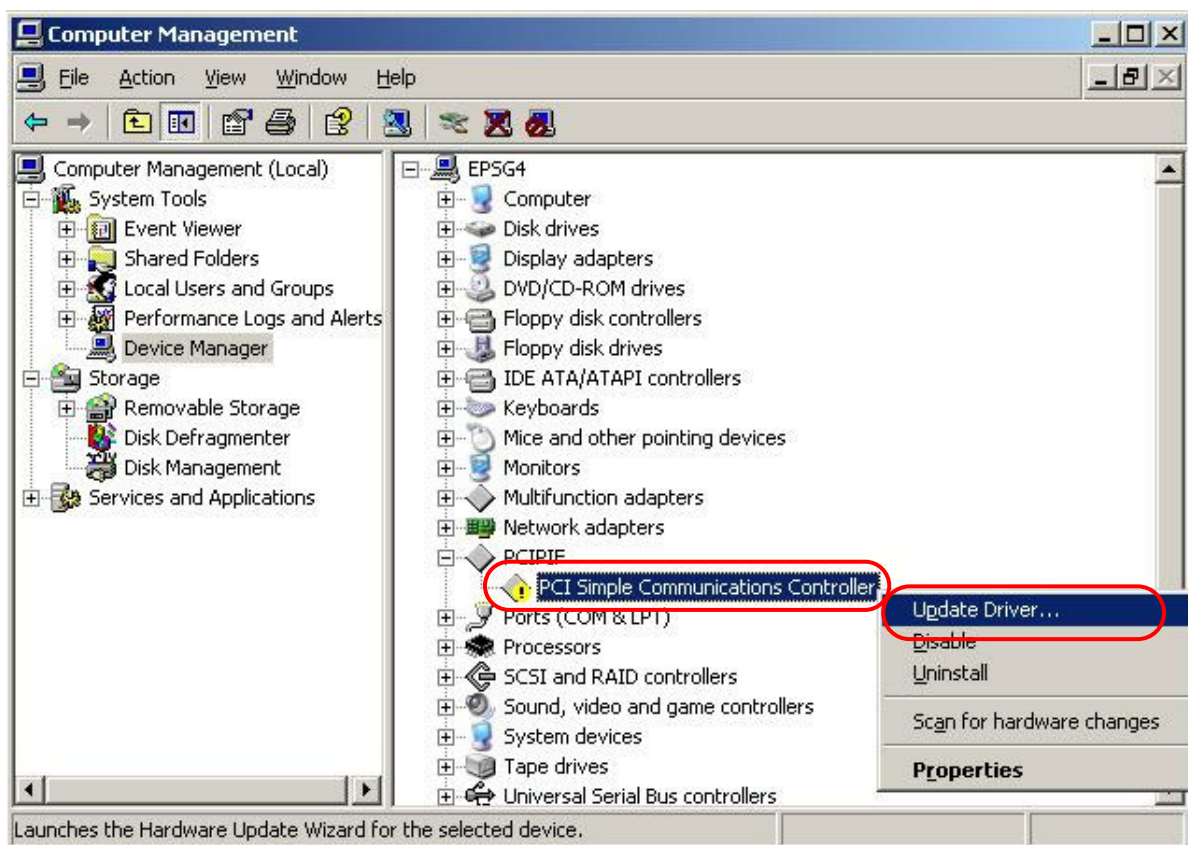
Click on the “Finish” button to complete the PIF Driver Installation.

To Manually install the PIF Device Driver

Use this method, for example, if the system was installed with the PIF card fitted. From “Programs”, “Administrative Tools”, open the “Computer Management” window. Select “Device Manager” under “System Tools” on the left of the window.

If the driver has been loaded correctly it will be listed as “PCIPIF > PP66 PIF Interface”. If the PIF driver has not been loaded or has been loaded incorrectly, the PIF card will be listed under “Other Devices”.

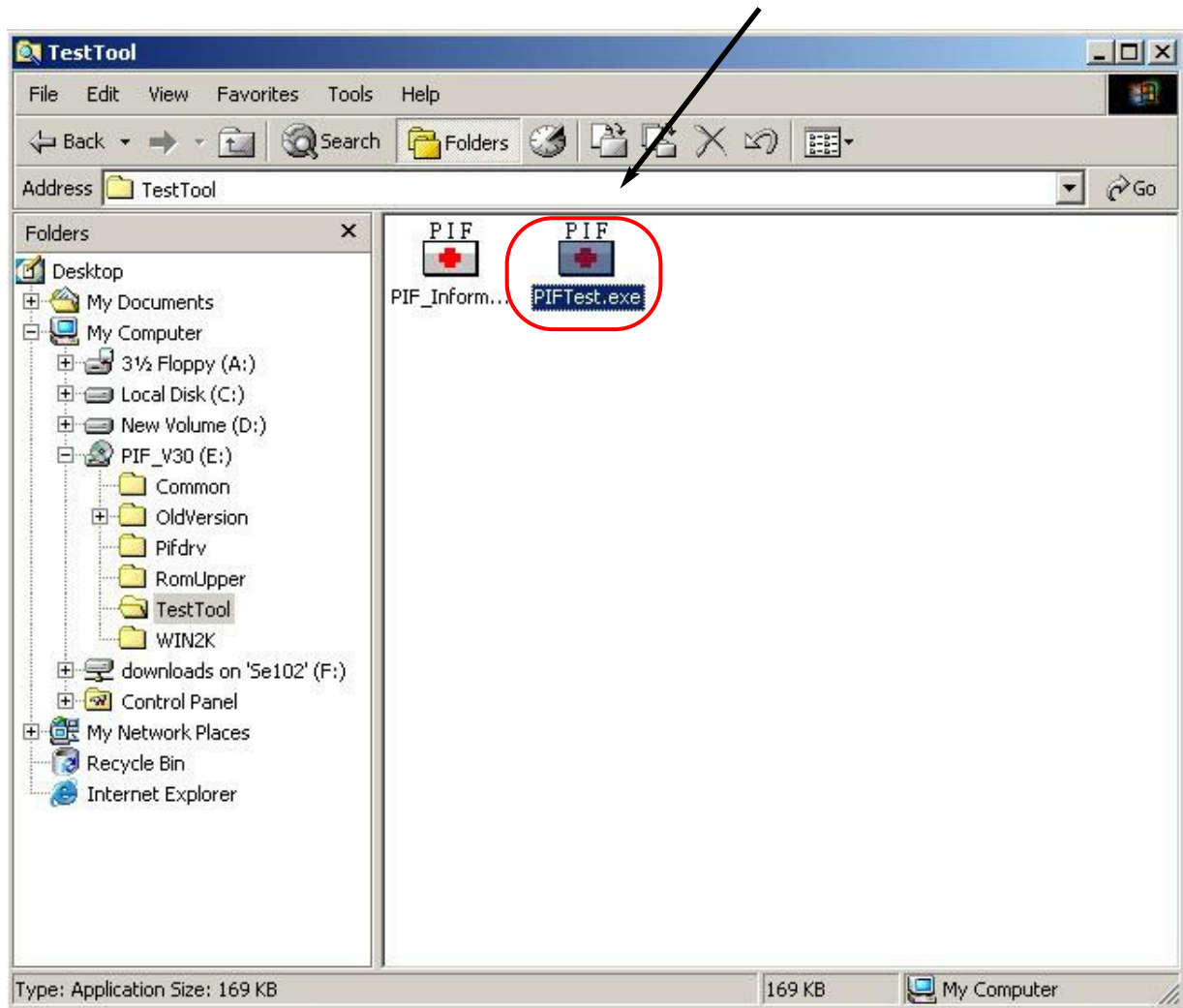
Select the “PCI Simple Communications Controller” and right click to select the “Update Driver” button and then follow the previous procedure.



Testing the PIF Driver Interface

Place the “PIF I/F Card Driver and Updater” CD into the CD drive and open the “TestTool” folder as shown below..

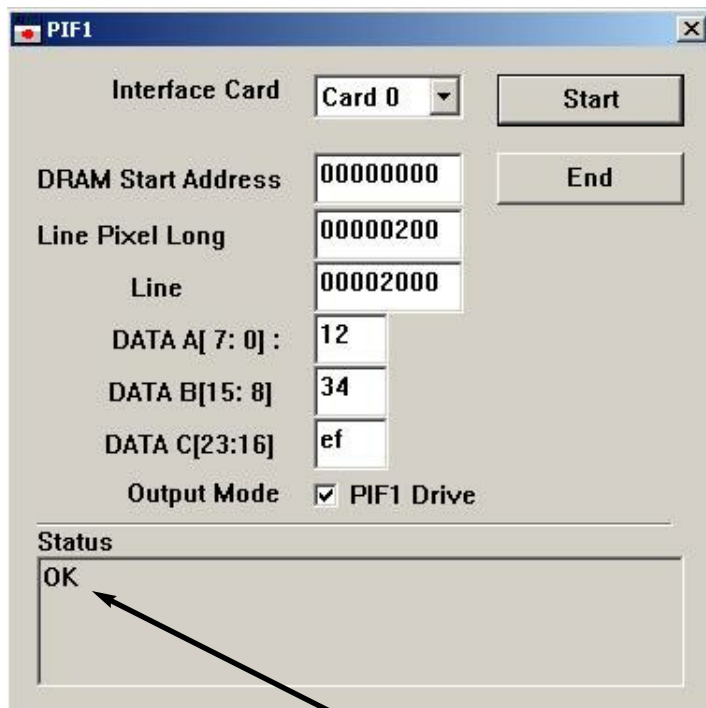
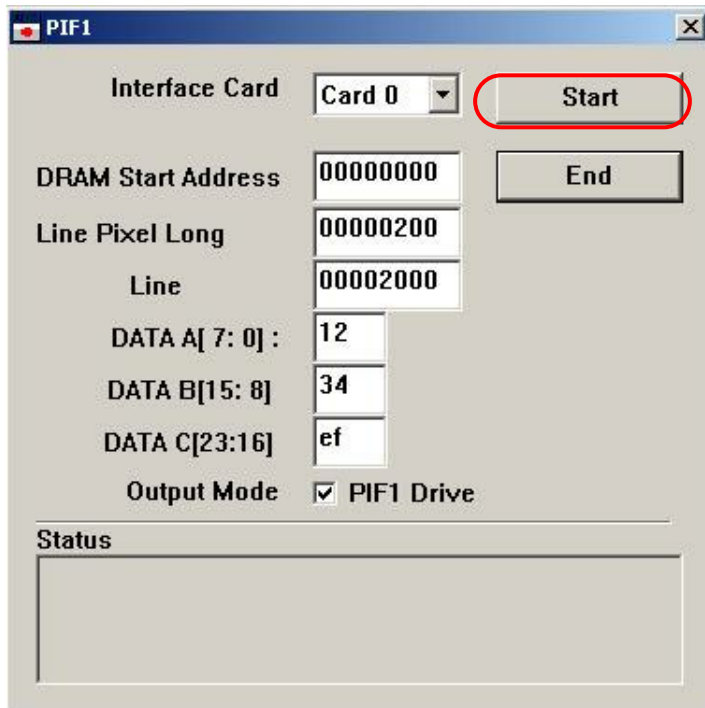
Inside this folder is a program called “ADC_PIF”. Double click on this icon.



The following window is displayed. Click on the “Select” Button to launch the test tool Window.



To begin the Internal test of the PIF Card select the “Start” button. Do not change any settings !



After a short time, the status of the card will be shown.

If the card has passed the test “OK” will appear in the status window.

If the test fails, with another message, then the card may have a fault and should be checked.

4.12 Installing the Differential SCSI Card

The Differential SCSI card is installed in Slot 3 on an ML370G4 system.
Make sure the Power Cable to the system is unplugged when inserting the Card.

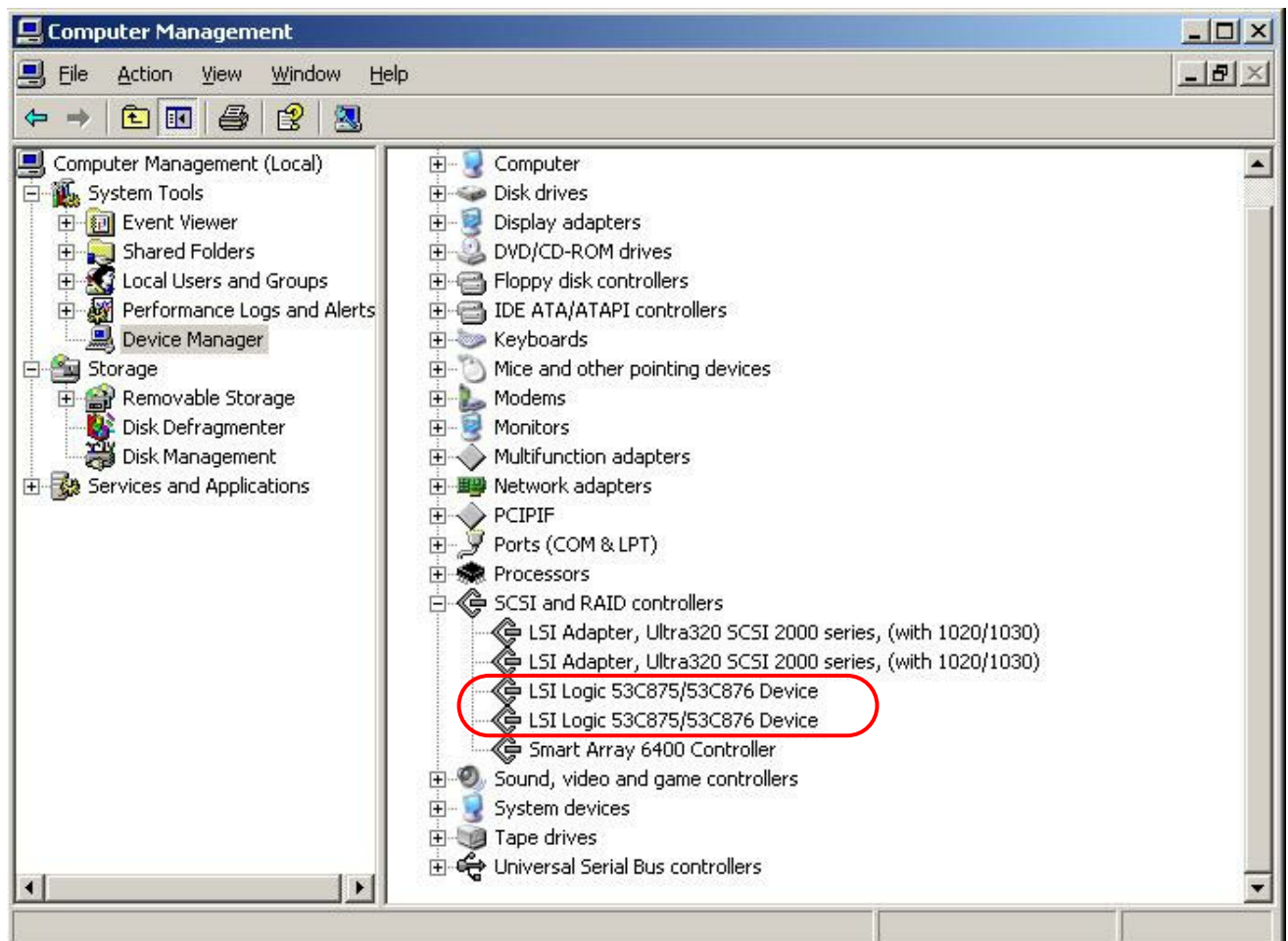
If the card is installed before running SmartStart, then the correct driver is automatically installed during installation.

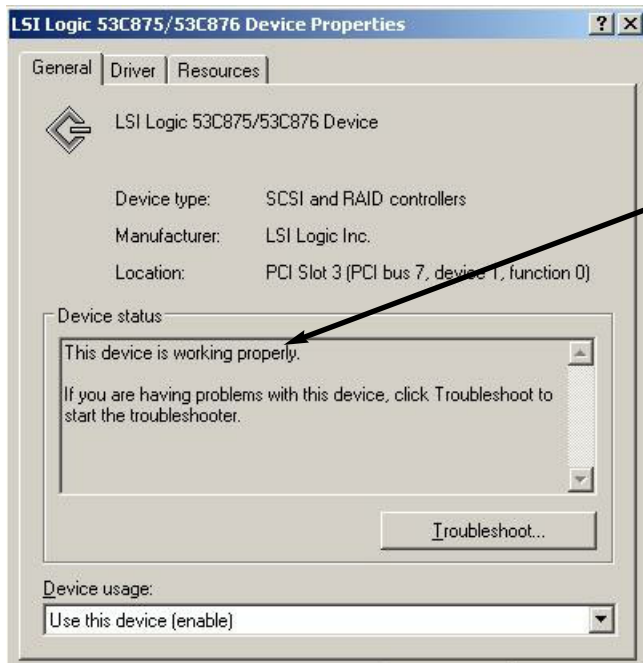
If the card is added later, then the driver will be installed by “plug and play” automatically.

Open the “Computer Management” Window.

Select “Device Manager” and expand the “SCSI and Raid Controllers” icon.
When the Differential SCSI card is installed there are 2 entries for the device (2 Ports)

Click on the first of these and select “Properties”





Check this message to see if the device is working properly

- !! Notes :-
1. Before connecting the SCSI output Engine to the ML370G4 system , ensure it is configured for “Differential Mode”.
 2. Disable any “Scsiprint” Device before attempting to output to a SCSI Output Engine.
 3. Ensure that the SCSI Output Engine is on-line and connected before switching on the ML370G4

How to disable the “Scsiprint” Device. (Connection to the SCSI Output Device is required)

Open “Computer Management” window and click on “Device Manager”.

Look for any “Scsi Printer” device.

If it exists, right-click on it and select “properties” then “Disable”.

If no “Scsi Printer” device exists then no action needs to be taken.
