

Danielle Bradshaw

Systems Installation and Configuration

Planning

There are four plans, which need to be considered before the practical is carried out:

1. Health and Safety in the work environment
2. Plan for building the machine
3. Plan for installing software
4. The test procedure

1. Health And Safety In The Work environment

To initially ensure a safe working environment, we had to make sure that the computer was switched off, both at the plug switch and by removing the plug from the wall socket. It is also important to unplug the cables from the back of the machine, so that the electric couldn't have been turned on, accidentally. By removing the cables from the back of the machine, you also ensure that the cables can't be tripped over. We also made certain there was no food or drinks in the working environment.

2. Plan For Building The Machine

To build the machine, we followed the steps below:

- Step 01: Put the CD ROM Drive in and screwed it into place
- Step 02: Put the Floppy Disk Drive in and screwed it into place
- Step 03: Put the memory in place
- Step 04: Put the Power Source in place
- Step 05: Plug the Hard Drive Belt in place
- Step 06: Plug the CD ROM Belt in place
- Step 07: Plug the Floppy Disk Belt in place
- Step 08: Plug the LPT1 Belt in
- Step 09: Put the Processor and Fan in place and screw it on
- Step 10: Place Monitor Card in PCI slot
- Step 11: Place Sound Card in slot
- Step 12: Put chasis in place and screw on
- Step 13: Connect all cables (e.g. keyboard, mouse, etc.)
- Step 14: Switch the power on

Plan For Installing Software

I am installing Windows 2000 onto the computer that I built in the previous tasks. I am installing software so that the computer will load up and function, without the software the computer is useless to me.

The steps below are the steps I took to install the software onto my computer:

1. Switch on the computer
2. Press the "Delete" key, as the computer boots up, this is to get into the AMBIOS system
3. Press "F1"

Systems Installation and Configuration

4. From the menus that appear, click on "Advanced"
5. Then click on the A Drive option, as I am installing the software from Floppy Disk
6. Press the "Restart" button on the front of the machine
7. Insert Windows 2000 Disk #1
8. The computer then boots up from the A Drive and installs the software files from Disk #1
9. When the computer has finished installing those files, it will ask for "Windows 2000 Disk #2" to be inserted
10. Remove Disk #1, Insert Disk #2 and press Enter
11. When the computer has finished installing those files, it will ask for "Windows 2000 Disk #3" to be inserted
12. Remove Disk #2, Insert Disk #3 and press Enter
13. When the computer has finished installing those files, it will ask for "Windows 2000 Disk #4" to be inserted
14. Remove Disk #3, Insert Disk #4 and press Enter
15. Then, the following message will appear:
 - "Welcome to Setup.
 - This portion of the Set Up prepares Microsoft ® Windows 2000 ™ to run on your computer.
 - To set up Microsoft Windows 2000 ™ now, press enter
 - To repair a Windows 2000 ™ installation, press R
 - To quit Setup without installing Windows 2000 ™, press Esc

Press Enter

16. It then asks for the Microsoft Windows 2000 CD ROM, with instructions. Insert CD ROM and press Enter

3. Plan For Installing Software:

System Components:

Processor	Intel Pentium 166 MHz
Memory	64 MB EDO RAM
Hard Disk	1.9 GB Hard Drive
Floppy Disk	Generic 1.44 MB Drive
CD-ROM	4x Hitachi CDR-7730
Graphics Card	Cirrus Logic 5430-40 PCI
Operating System	Microsoft Windows 2000

4. The Testing Procedure:

I have to test the computer to ensure that I built it correctly and all the components are in place. Firstly, I am going to test this by referring back to the diagram I drew. If I am then still satisfied that it seems correct, I am going to turn the computer on to ensure that it is working. The following table is a log of problems and solutions, that I kept, which I came across during testing.

Danielle Bradshaw

Systems Installation and Configuration

Problem	Action	Results
Monitor doesn't work	I checked that everything was connected correctly and all the components were in the correct place. Then, I replaced the monitor with another.	The monitor still didn't work
	I then changed the processor and graphics card	
	Then I changed the memory	
	Then I changed the hard disk	The monitor worked