

Competitor Version

(This competition may be used to select your nomination for the Live Final)

Hardware and Software Challenge

Local Heat

To be completed by 4th April 2008

Results sent to Jen Bell by 21st April 2008

Competitor Name: _____ **Workstation No:** _____

Competitor Overall Score: _____



In Association with

CONTENTS

INTRODUCTION

You work for the IT Department at a Small Consulting Company, Networkskills Company. The CEO (Chief Executive Officer) has brought into work his son's old computer. Your CIO (Chief Information Officer) gives you the following material with which to fix, configure and troubleshoot the Computer. The aim is to give the PC a through test to ensure future use.

Anti Static protective equipment

Basic toolkit

Printer (appropriate cables and drivers)

Scanner / digital camera / web cam (appropriate cables and drivers)

Please pay attention to the computer specifications to ensure that you assemble and set up the PC properly and in accordance with company guidelines.

Note: Use default configuration unless stated in the competition script.

DESCRIPTION OF PROJECT AND TASKS

The computer will be now referred to as PC1

Note: There is no need for you to install or reinstall any Operating System.

PART A

Please install and fix PC1:

- Take care to follow ESD handling guidelines.
- Install the CD ROM, Floppy Drive, Hard Drive and RAM provided
- Ensure all PC components are correctly installed
- Identify any troubleshooting and fixing of faults during the installation.
- Fill out the fix log form provided. (Handwriting) Use Appendix 2.

Please ensure the following configuration of PC1 exists:

Computer name	:	NETPC1xx	{xx is the station number}
Workgroup name	:	Hardware	
Username	:	Administrator	Existing Username
Admin password	:	password	Existing Password
TCP/IP address	:	192.168.10.XX	
Subnet Mask	:	255.255.255.0	

PART B

Please configure PC1 with the following:

- Install the scanner or Camera or Web Cam onto PC1.
- Scan your ID card of your name tag or take a picture of your face and save it to filename imagexx {xx is the station number} in the “my documents” folder
- Encrypt the file imagexx {xx is the station number}
- Make a backup of your images (ID card “imagexx”). The copy should be saved onto floppy disk using a filename imageXX (xx is your station number). Mark your Floppy Label with your station number. If your image is too large for a floppy, make you backup into the My Pictures folder.
- Create a Start-up Disk and write your station number on the label.
- Install a local printer.
- Share printer with name NETPRINTER with share permission EVERYONE – Full Control.

PART C

Connect PC1 to the Server (See Appendix 2).

- Attach PC1 to the switch (indicated by the judge). Print out a successful ping to the following address: 192.168.10.200
- Connect PC1 to the Network Printer (WKGPPRN)
- Print out the scanned image file (imagexx) on PC1 to network printer (WKGPPRN).
- Print out IP configurations of PC1 to NETPRINTER and write your station number on the printout.

PART D (Optional)

- Disconnect PC1 from the Switch
- Install a Wireless NIC to PC1.
- Add the following IP Address and Subnet Mask to the Wireless Card
 - TCP/IP address : 192.168.254.XX
 - Subnet Mask : 255.255.255.0
- Troubleshoot the Wireless NIC until you can Ping 192.168.254.50 (IP address of *SkillsComp* Domain Controller)
- Join the Domain – SkillsComp using the username: Comp – Password: P@ssw0rd
- Access the Web Page in the shared Web Folder and save it to My Documents on PC1
- Enable Internet Explorer to use the copied Web Page as your default Home Page
- Print out the Web Page onto NETPRINTER

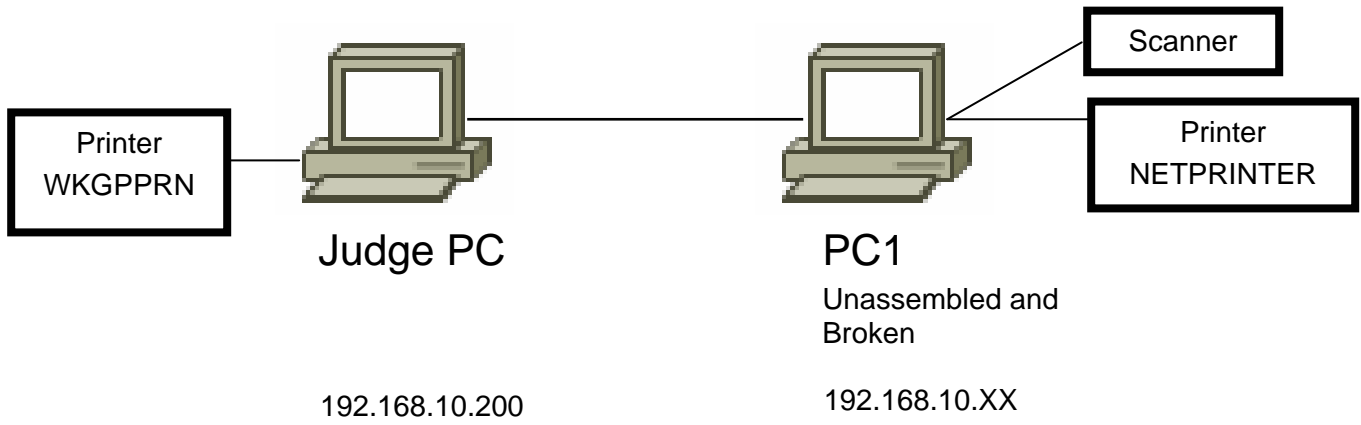
Competitor Evidence Checklist

Please ensure the following has been produced

Evidence	Check - Print out or Visual on PC	Max Mark
Device Manager of PC1 Correct	Visual on PC	4
IP CONFIG /ALL PC1 printed out	Print	2
Appendix 2 Completed	Visual on PC	2
Start Up disk created	Visual on PC	1
Print Scanned Image on Judge PC	Print	2
Floppy with Scanned Image Saved	Visual on PC	1
Printers and Faxes	Visual on PC	2
Ping to 192.168.0.1	Print	1
Properties of My Computer	Visual on PC	2
Properties of NIC	Visual on PC	1
Image saved and Encrypted	Visual on PC	1
NETPRINTER Shared – Everyone FC	Visual on PC	1
Installed Wireless Card (optional)	Visual on PC	2
Joined SkillsComp Domain	Visual on PC	2
Web Page – Default and Printed	Print and Visual on PC	1

Appendix 1

Diagram 1



Appendix 2

PC1 FIX LOG Form

Station No. : _____

Name : _____

NO.	Problem	Solution