

Step 1 - Setting up of Protocols for Network

- Right Click on “Network Neighbourhood”
 - Left Click on “Properties”
 - You will see 3 headings called “Configuration, Identification, and Access Control”
 - In Configuration do the following :-
 - o Make sure that you have the following components listed in the box :-
 - Client for Microsoft Networks
 - “Network Card Driver Name” (i.e. NE2000, or D-Link DFE-538TX)
 - TCP/IP -> “Network Card Driver Name”
 - Other options are :-
 - IPX/SPX Compatible Protocol
 - Netbeui
 - Note :- These are not normally required however sometimes they are necessary. (Goto Step 3)
 - o The other option to make sure of is that the “Primary Network Login” is set to “Client for Microsoft Networks”
 - o Also select “File and Print Sharing” if you want to give other users access to your hard disk drive or printer. (i.e. make sure there is a tick in each of the blocks)
 - In Identification do the following :-
 - o “Computer Name” – Give it any name i.e. Oesman (Just for identification purposes)
 - o “Workgroup” – This name has to be the same on all the computers ensuring that the name is case sensitive (i.e. “WORKGROU”P”, or “Workgroup”, or “workgroup”)
 - o “Computer Description” – Same as computer name, Give it any name i.e. Oesman
 - In Access Control do the following :-
 - o Make sure that the option “Share Level Access Control” has been selected.
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Step 2 - Configuring Protocols for Network

- In Configuration do the following :-
 - o In the installed network component block find {TCP/IP -> “Network Card Driver Name”} and select “Properties”
 - o In Properties do ONLY the following :-
 - In “IP Address” select “Specify an IP Address” and enter the following :-
 - IP Address – Normally I would give each machine an exclusive IP Address such as :- 10.10.10.1 only changing the last number for each machine.
 - o 10.10.10.1
 - o 10.10.10.2
 - o 10.10.10.3
 - o 10.10.10.4
 - o etc
 - In “Subnet Mask” type in the following :-
 - 255.255.255.0
 - This is ALL that you would do in the configuration of TCP/IP.
 - Click on “OK” until you are asked to reboot the computer.
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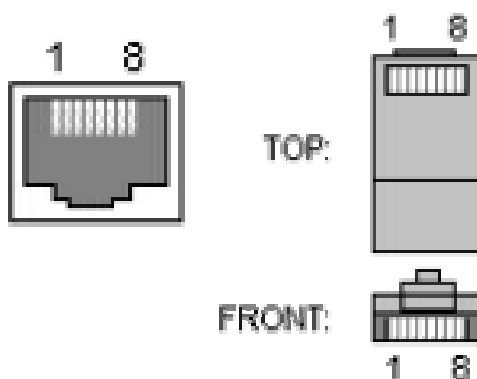
Step 3 - To install the Network Protocols

- Right Click on “Network Neighbourhood”
- Left Click on “Properties”
- You will see 3 headings called “Configuration, Identification, and Access Control”
- In Configuration do the following :-

- Click on “Add” Here you will see “Select Network Component Type”
- There are four (4) headings “Client | Adapter | Protocol | Service”
 - If there is no “Client for Microsoft Networks” then :-
 - Click on “Client” then “Add”
 - Click on “Microsoft” then “Client for Microsoft Networks” then “OK”
 - If it asks for the Windows CD make sure you have it ready and in the CD Rom Drive.
 - If there is no other protocols then :-
 - Click on “Add” then “Protocol” then “Add”
 - Click on “Microsoft” then “TCP/IP” or “IPX/SPX” or “NetBeui” until all three (3) of the protocols are installed.
 - If it asks for the Windows CD make sure you have it ready and in the CD Rom Drive.
- Once the Protocols are installed then all you have to do is the following :-
- Click on “OK” until it asks you to reboot the computer.
- Once rebooted you can go back into “Network Neighbourhood” and you should see the other computers.

Step 4 – If you do not see the other computers

- If you **DO NOT SEE THE OTHER COMPUTERS** then check to see the following :-
- Right Click on “Network Neighbourhood”
- Left Click on “Properties”
- You will see 3 headings called “Configuration, Identification, and Access Control”
- In Configuration check the following :-
 - Check to see if “Client for Microsoft Network” is installed.
 - Check to see if “TCP/IP -> **Network Card Name**” is installed.
 - Check to see if “IPX/SPX-Compatible Protocol -> **Network Card Name**” is installed.
 - Check to see if “NetBeui” is installed.
 - Check to see if “File and Printer Sharing for Microsoft Networks” is installed.
 - Check to see if “Primary Network Logon” is set to “Client for Microsoft Networks”
 - Check to see if “File and Print Sharing” has both been ticked.
- In Identification check the following :-
 - Check to see if your “Workgroup” name is the same on **ALL** the computers.
- In Access Control check the following :-
 - Check to see if “Share Level Access Control” is selected.
- If all of the above is correct check to see if your HUB is switched on and working.
- Also check your cables and test them if they are wired correctly.
 - I.e. Fly Leads are wired 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7, 8-8. (In other words they are wired one to one. **NB!!!! Check that your colour codes are CORRECT.**
 - Colour Codes are as follows :-
 - 1 – Orange / White
 - 2 – Orange
 - 3 – Green / White
 - 4 – Blue
 - 5 – Blue / White
 - 6 – Green
 - 7 – Brown / White
 - 8 – Brown



Hi Tony,
Follow the following instructions as listed.
You have 3 computers (Server, PC3, PC4).

SERVER

On the server set the following (Please note that there is a modem installed) :-

- Right Click on “Network Neighbourhood”
 - Left Click on “Properties”
 - You will see 3 headings called “Configuration, Identification, and Access Control”
 - In Configuration do the following :-
 - o Make sure that you have the following components listed in the box :-
 - **Client for Microsoft Networks**
 - **“Network Card Driver Name” (i.e. NE2000, or D-Link DFE-538TX)**
 - **TCP/IP -> “Network Card Driver Name”**
 - **IPX/SPX Compatible Protocol -> “Network Card Driver Name”**
 - **Netbeui -> “Network Card Driver Name”**
 - **Dial Up Adapter**
 - **TCP/IP -> “Dial Up Adapter”**
 - o The other option to make sure of is that the “Primary Network Login” is set to **“Client for Microsoft Networks”**
 - o Also select **“File and Print Sharing”** if you want to give other users access to your hard disk drive or printer. (i.e. make sure there is a tick in each of the blocks)
 - In Identification do the following :-
 - o “Computer Name” – Give it any name i.e. **Server** (Just for identification purposes)
 - o “Workgroup” – This name has to be the same on all the computers ensuring that the name is case sensitive (i.e. **“WORKGROUP”**, or **“Workgroup”**, or **“workgroup”**)
 - o “Computer Description” – Same as computer name, Give it any name i.e. **Server**
 - In Access Control do the following :-
 - o Make sure that the option **“Share Level Access Control”** has been selected.
 - In Configuration do the following :-
 - o In the installed network component block find {TCP/IP -> “Network Card Driver Name”} and select “Properties”
 - o In Properties do ONLY the following :-
 - In “IP Address” select “Specify an IP Address” and enter the following :-
 - o 10.10.10.1
 - In “Subnet Mask” type in the following :-
 - o 255.255.255.0
 - This is ALL that you would do in the configuration of TCP/IP.
 - Click on “OK” until you are asked to reboot the computer.
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PC3

On the server set the following (Please note that there is a modem installed) :-

- Right Click on “Network Neighbourhood”
- Left Click on “Properties”
- You will see 3 headings called “Configuration, Identification, and Access Control”
- In Configuration do the following :-
 - o Make sure that you have the following components listed in the box :-
 - **Client for Microsoft Networks**
 - **“Network Card Driver Name” (i.e. NE2000, or D-Link DFE-538TX)**
 - **TCP/IP -> “Network Card Driver Name”**

- **IPX/SPX Compatible Protocol** -> “**Network Card Driver Name**”
 - **Netbeui** -> “**Network Card Driver Name**”
 - The other option to make sure of is that the “Primary Network Login” is set to “**Client for Microsoft Networks**”
 - Also select “**File and Print Sharing**” if you want to give other users access to your hard disk drive or printer. (i.e. make sure there is a tick in each of the blocks)
 - In Identification do the following :-
 - “Computer Name” – Give it any name i.e. **PC3** (Just for identification purposes)
 - “Workgroup” – This name has to be the same on all the computers ensuring that the name is case sensitive (i.e. “**WORKGROUP**”, or “**Workgroup**”, or “**workgroup**”)
 - “Computer Description” – Same as computer name, Give it any name i.e. **PC3**
 - In Access Control do the following :-
 - Make sure that the option “**Share Level Access Control**” has been selected.
 - In Configuration do the following :-
 - In the installed network component block find {TCP/IP -> “Network Card Driver Name”} and select “Properties”
 - In Properties do ONLY the following :-
 - In “IP Address” select “Specify an IP Address” and enter the following :-
 - 10.10.10.3
 - In “Subnet Mask” type in the following :-
 - 255.255.255.0
 - This is ALL that you would do in the configuration of TCP/IP.
 - Click on “OK” until you are asked to reboot the computer.
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PC4

On the server set the following (Please note that there is a modem installed) :-

- Right Click on “Network Neighbourhood”
- Left Click on “Properties”
- You will see 3 headings called “Configuration, Identification, and Access Control”
- In Configuration do the following :-
 - Make sure that you have the following components listed in the box :-
 - **Client for Microsoft Networks**
 - “**Network Card Driver Name**” (i.e. NE2000, or D-Link DFE-538TX)
 - **TCP/IP** -> “**Network Card Driver Name**”
 - **IPX/SPX Compatible Protocol** -> “**Network Card Driver Name**”
 - **Netbeui** -> “**Network Card Driver Name**”
 - The other option to make sure of is that the “Primary Network Login” is set to “**Client for Microsoft Networks**”
 - Also select “**File and Print Sharing**” if you want to give other users access to your hard disk drive or printer. (i.e. make sure there is a tick in each of the blocks)
- In Identification do the following :-
 - “Computer Name” – Give it any name i.e. **PC4** (Just for identification purposes)
 - “Workgroup” – This name has to be the same on all the computers ensuring that the name is case sensitive (i.e. “**WORKGROUP**”, or “**Workgroup**”, or “**workgroup**”)
 - “Computer Description” – Same as computer name, Give it any name i.e. **PC4**
- In Access Control do the following :-
 - Make sure that the option “**Share Level Access Control**” has been selected.
- In Configuration do the following :-

- In the installed network component block find {TCP/IP -> “Network Card Driver Name”} and select “Properties”
 - In Properties do ONLY the following :-
 - In “IP Address” select “Specify an IP Address” and enter the following :-
 - 10.10.10.4
 - In “Subnet Mask” type in the following :-
 - 255.255.255.0
 - This is ALL that you would do in the configuration of TCP/IP.
 - Click on “OK” until you are asked to reboot the computer.
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Once you have completed the above settings, shut down all the computers. Once all are off, switch the server on first, then PC3, then PC4. NOTE!! Make sure that the server is fully running before switching PC3 and PC4 on.

Now do the following :-

On the SERVER :-

Make sure that the C: drive is mapped for sharing.

- Double Click “My Computer”
- Right Click on “C:” Drive
- Left Click on “Sharing”
- Left Click on “Shared As” – This puts a black dot in the white circle
- Share Name “C”
- Access Type “Full”
- Left Click “Apply”
- Left Click “OK”

On the “PC3”

- Double Click “Network Neighbourhood”
- Double Click “Server”
- Right Click “C:” Drive
- Left Click “Map Network Drive”
- Drive: Select “M:”
- Path will show “\\server\c”
- Put a tick in the box for “Reconnect at Logon”
- Left Click “OK”

On the “PC4”

- Double Click “Network Neighbourhood”
- Double Click “Server”
- Right Click “C:” Drive
- Left Click “Map Network Drive”
- Drive: Select “M:”
- Path will show “\\server\c”
- Put a tick in the box for “Reconnect at Logon”
- Left Click “OK”

- Shut down all the computers
- Switch Server On and wait until fully loaded
- Switch PC3 On
- Switch PC4 On