

## **Step 1 - Setting up of Protocols for Network for Windows 98**

- 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.
- 

## **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.
- 

## **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

