

## Lab 3-2 The Star Topology

In this lab you're going to set up a simple star physical network using three or four computers in your group.

Check off

	Set up a small network
	Can ping each other computer
	Answered questions
	Put materials away and reconnected all computers.

Get the following:

- ☞ Two or three computers running Windows
- ☞ Enable file and print sharing on both computers
- ☞ A small network hub
- ☞ Cabling for each computer

1. Log off and turn off the computers.
2. Obtain a hub or switch. Connect each network computer to a hub. You are not going to connect this hub to one of our routers. We want just a simple peer to peer network.
3. Turn the computers back on and log in locally.
4. Change the computers from working within a domain into a workgroup. Each computer must have a unique computer name, but the workgroup names should all be **netplus**.
5. View your network and see if you can see the other person. Open your command prompt, get the IP address from the other person. Type **ping <ip address>** So if his IP is 192.168.1.234 you'd type ping 192.168.1.234
6. What do you see?
  
7. Unplug one of the computers. What happens to the light on the NIC?
8. What happens to the light on the hub?
9. What do those lights indicate?

10. View network again.. What do you see?
  
11. Why?
  
12. Reconnect your workstations to the classroom network. Restart both computers.
13. Rejoin the domain as before. Restart the computers. If you do this on your servers do NOT rejoin to the domain!
14. Draw a picture of your tiny network to the right.