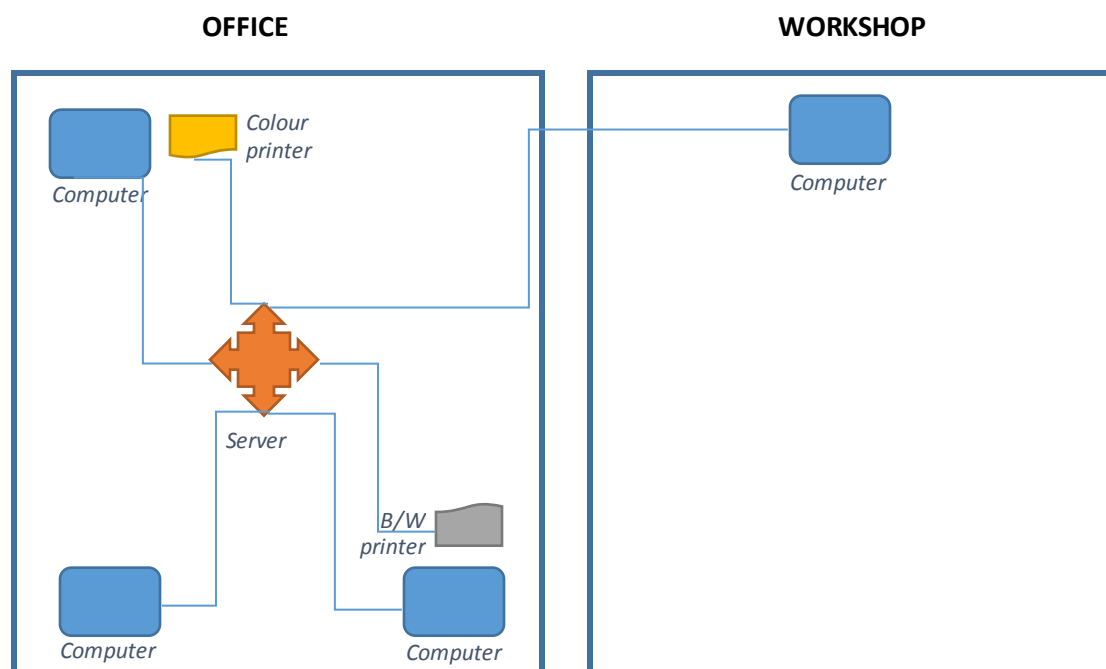




Module 1 Computer awareness

Computer awareness project example

1 Draw a diagram of the network depicting each floor of the factory side by side.



2 Describe how the office staff and building supervisor will use the network to achieve their goals.

- The accounting software can be accessed by office staff from any computer.
- Both printers can be accessed and used from any computer.
- Customer orders are saved in a central location by office staff, then accessed by the building supervisor.
- The supervisor digitally signs off completed orders in the same location. They are then accessed and printed by the office staff for invoicing and delivery.

3 What new equipment will need to be purchased?

- A network server and router system
- Two new computers, so that there is one for each office staff member and one for the building supervisor

4 Which network topology would be preferable here and why?

- A star network is the preferred type, with all nodes (computers and printers) connected to a central hub (server). This is the easiest network to design and implement, and allows every computer to indirectly access every other computer and printer.

5 Why will the network be useful?

- All staff can access the accounting software at the same time, rather than taking turns.
- Designs and orders can be printed from any computer.
- Customer orders can be processed faster and without the risk of being lost.



Module 1 Computer awareness

6 What are the benefits to the organisation?

- More efficient use of staff time – no more waiting to take turns on computers and printers
- Faster processing of orders – no more carrying orders by hand between office and workshop
- More effective record-keeping – orders will not get lost

7 How can the data on the network be protected?

- Passwords would stop anyone but staff members accessing the data.
- Only the building supervisor has the ability to mark an order as completed.