Create a LAN

Local area networks

The term local area network (LAN) refers to a local network, or a group of interconnected local networks that are under the same administratice control. In the early days of networking, LANs were defined as small networks that existed in a single physical location.

Althrough LANs can be a single local network installed in a home or small office, the definition of LAN has evolved to include interconnected local networks consisting of many hundreds of hosts, installed in multiple buildings and locations.

**The inportant thing to remember is that**

All the local networks within a LAN are under one administrative control.

They typically use Ethernet or wireless protocols and support high data rates

Local and remote network segments

Fwithin a LAN, it is possible to place all hosts on a single local network or divide them up between multiple networks connected by a distribution layer device.

How this placement is determined depends on desired results

- all hosts in one local segment