**Networks**

**Wired** networks. A wired network is a network that uses cables to connect to the internet and other networks.

**Wireless** networks. A wireless networks is a networks that does not use any cables, but connects using radio waves.

**Local Area Network**.  [LANs](https://www.belden.com/Blogs/6-ways-to-design-layer-0-to-futureproof-network-technology) connect groups of computers together across short distances to share information and resources.

Wide Area Network. [WAN](http://www.networkworld.com/article/3001389/wide-area-networking/the-challenges-of-creating-and-enforcing-policies-across-the-wan.html) connects computers together across longer physical distances.

### Metropolitan Area Network. Is larger than LAN but smaller than WAN – and incorporate elements from both types of networks. WANs cover the entire geographical area.

### Personal Area Network. The smallest and most basic type of network, PAN is made up of a wireless modem, computers, phones, printers, etc., and serves one person in one building.

### Numerous devices make everything work together: hubs, repeaters, routers, switches.

### Networks may use different technologies: wireless like for connection via satellite, or even through telephone line. Wires networks are more reliable but not as convenient for those who has no option to stay in one place while using it.

### There are three basic physical topologies that refers to the shape of a network:

### Star: there is a central device to which all the workstation are directly connected.

### Bus: every workstation is connected to a main cable.

### Ring: the workstation is connected to one another in a closed loop configuration.

### The Internet is a global network of computing resources. WWW stands for World Wide Web. A technical definition of the World Wide Web is − All the resources and users on the Internet that are using the Hypertext Transfer Protocol (HTTP).

### Internet Technologies is a technical field that covers the necessary skills to develop applications on the Internet or Internet based systems. The Internet is the global system of interconnected [computer networks](https://en.wikipedia.org/wiki/Computer_network) that uses the [Internet protocol suite](https://en.wikipedia.org/wiki/Internet_protocol_suite) (TCP/IP) to communicate between networks and devices.

### The Internet of Things (IoT) is a network of objects in the real and virtual world connected to the Internet and able to exchange data. For example: Smart home, smart cities or connected car.