

DAY 1 : 06/10/24

Network Fundamentals

What is Networking?

A network is a group of two or more computers or other electronic devices that are interconnected for the purpose of exchanging data and sharing resources.

What is a Computer Network?

"A Computer Network is defined as a set of two or more computers that are linked together? Either via wired cables or wireless networks i.e., Wi Fi? with the purpose of communicating, exchanging, sharing or distributing data, files and resources."



"Networking is essential in our daily lives; without it, nothing functions in this digital

Let's see some use cases day to day life

- Computer networks consist of hardware and software. Hardware includes routers, switches, and hubs. Software includes operating systems and firewalls.
- Networks can be classified by location. A LAN connects computers in a specific area, like a home or office. A MAN connects computers across multiple buildings in a city.
- The Internet is the largest WAN, linking billions of devices worldwide.
- Networking can also be described by protocols, layout, traffic management, and function.
- Businesses, entertainment, and education rely on computer networks for communication and data transfer.
- Many technologies, like search engines, messaging apps, and cloud storage, depend on computer networks.

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