

SHORT 1 · WHAT IS A NETWORK?

How do computers talk to each other?

Through a network

A Network Is…



Two or more computers connected so they can share data, files, printers, and the internet.

Networks Let You Share



Files



Internet



Printers



Messages



REMEMBER

Connected computers can share

NEXT SHORT

Types of networks

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SHORT 2 · TYPES OF NETWORKS

Small, medium, and huge networks

Four types to know

Types of Networks



PAN

Personal — phone + earbuds (Bluetooth)



LAN

Local — home, school, or office



WAN

Wide — connects cities and countries



Internet

The biggest network in the world



REMEMBER

PAN · LAN · WAN · Internet

NEXT SHORT

Network devices

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SHORT 3 · NETWORK DEVICES

Meet the network hardware

The devices that move your data

Network Devices



Router

Connects your network to the internet



Switch

Connects devices inside a LAN



Access point

Adds Wi-Fi to a network



Ethernet cable

Carries data by wire

IP Address = Home Address



Every device on a network has an IP address, like 192.168.1.10, so data knows where to go.



REMEMBER

Router · Switch · Access point · IP

NEXT SHORT

Why learn networking?



SHORT 4 · WHY LEARN NETWORKING?

Networking skills = IT jobs

Every company needs a network

Jobs in Networking



Network technician

Installs and fixes networks



Network administrator

Manages company networks



Cloud engineer

Builds networks in the cloud



Security analyst

Protects networks from attacks

How to Start



Learn the basics

IP, Wi-Fi, LAN, WAN



Practice

Explore your home router settings



Get certified

CompTIA Network+ or Cisco CCNA



Apply

Help-desk and technician jobs





REMEMBER

Every company needs networking people

NEXT TOPIC

Topic 6: What is a database?

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