COMPUTER BASICS · TOPIC 5

What Is Networking?

And why you should learn it



LONG VIDEO

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COMPUTER BASICS · TOPIC 5

What Is Networking and Why Learn It?

IN THIS VIDEO

1. WHAT IS A NETWORK?
2. TYPES OF NETWORKS
3. NETWORK DEVICES
4. WHY LEARN NETWORKING?

PART 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 PART

Types of networks

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PART 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 PART

Network devices

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PART 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 PART

Why learn networking?

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PART 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



STEP 1

Learn the basics

IP, Wi-Fi, LAN, WAN

STEP 2

Practice

Explore your home router settings

STEP 3

Get certified

CompTIA Network+ or Cisco CCNA

STEP 4

Apply

Help-desk and technician jobs



REMEMBER

Every company needs networking people

NEXT TOPIC

Topic 6: What is a database?

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