What is DHCP?
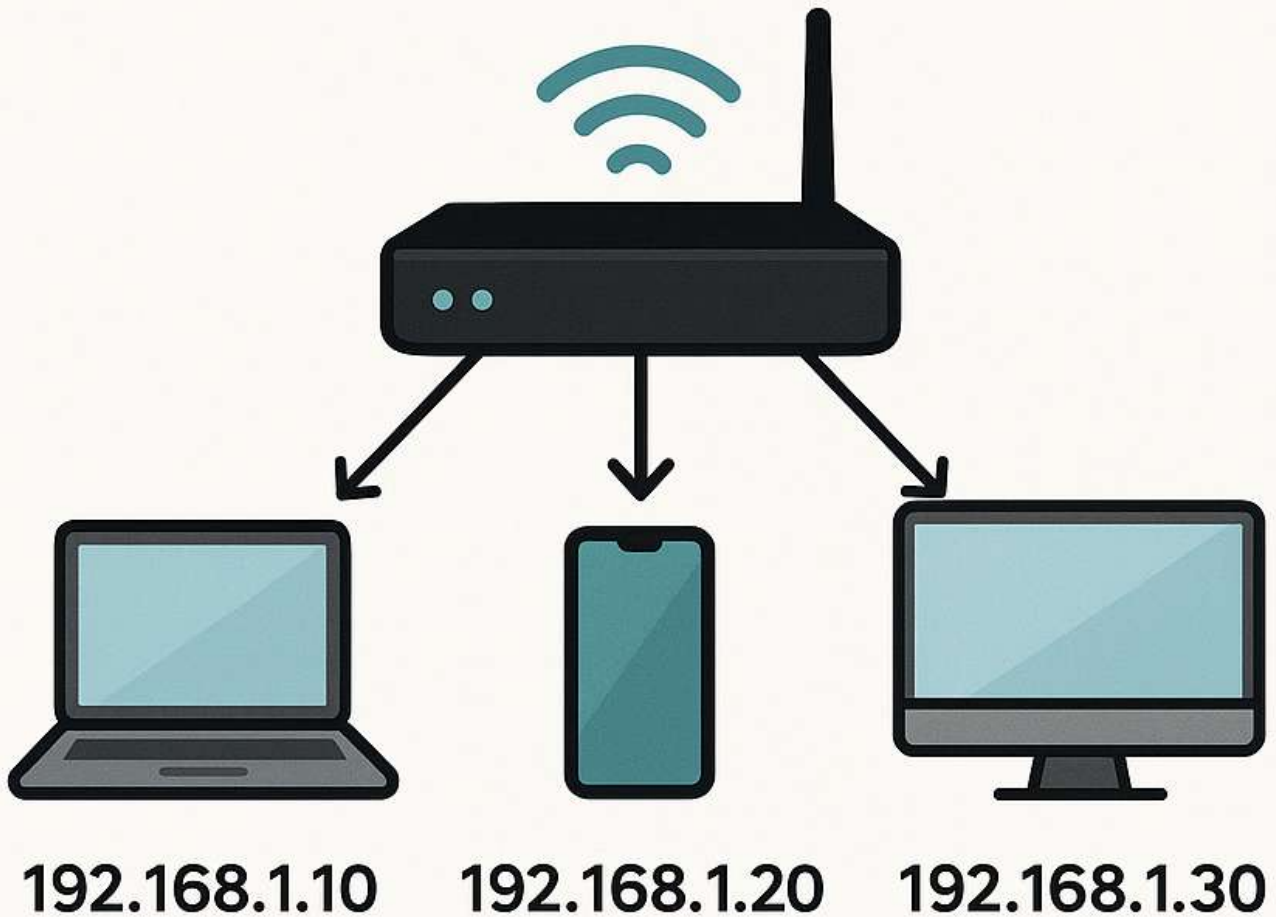

192.168.1.10   192.168.1.20   192.168.1.30

DHCP

Dynamic Host Configuration Protocol

It's a network protocol that automatically assigns IP addresses to devices on a network.

How It Works

Device connects to the network

Sends a request

DHCP server responds with an IP address

Device gets connected

Why It's Useful

✓ No need to assign IPs manually

✓ Avoids IP conflicts

✓ Makes network management easier