




# Connection Types

1

**Wired**  
Using wires or cables  
With **Ethernet**

2

**Wireless**  
Without wires using  
**Wi-Fi**



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Mohammed Abu-Hadoud  
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# Communication Ways


**Switch**  
  
**Ethernet**  
Rules that computers follow for communicating on a **wired** network

Those Rules are called:

**Protocol**

Protocol: is a standard set of rules for how devices communicate through wires or wireless

**Router**  
  
**Wireless**  
Rules that computers follow for communicating through a **radio** signals  
Wi-Fi is a popular way to connect wirelessly to a network  
**Wi-Fi: Wireless Fidelity**



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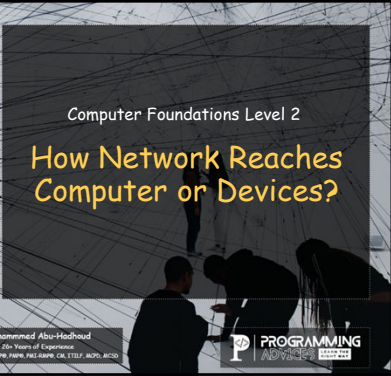
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## Computer Foundations Level 2

# How Network Reaches Computer or Devices?



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How Computers Know the address of each others?

Packet2 Packet1

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How to locate certain device?

Switch

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### What is IP Address?

- Every computer on an Ethernet network is given an IP address.
- An IP address, like your home's street address, identifies network machines.
- Because each computer has its own IP address, it aids traffic flow between them.
- (IP address) is a numerical identifier that is connected with a certain computer or computer network.
- When computers are connected to the internet or Network, the IP address allows them to send and receive data.

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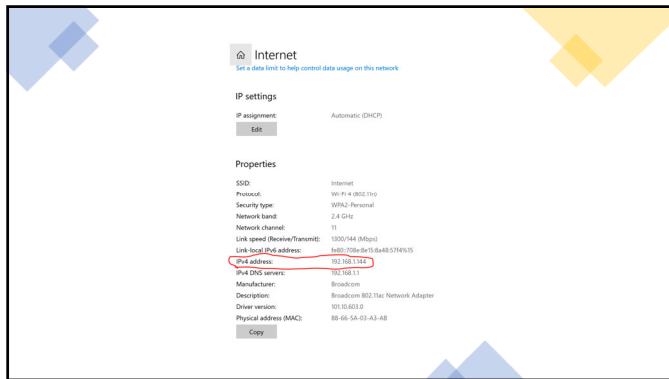
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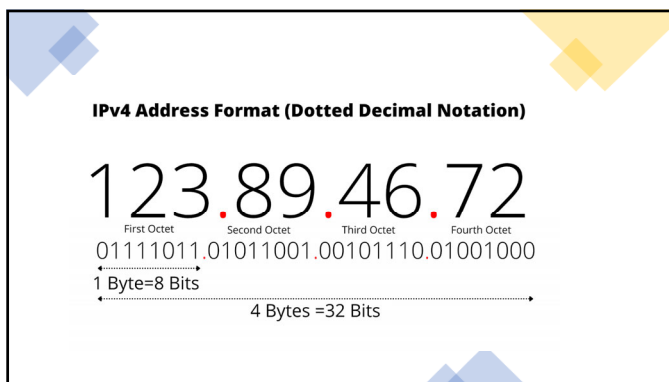
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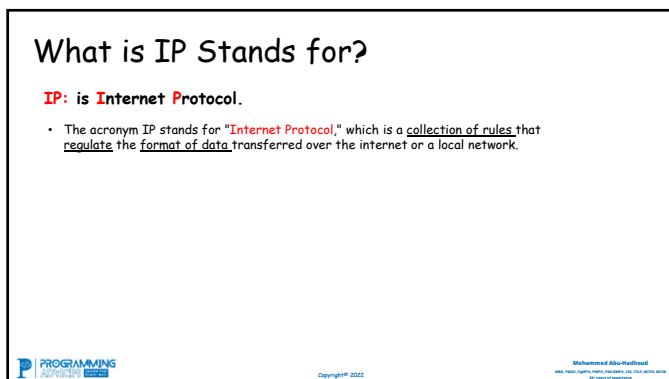
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