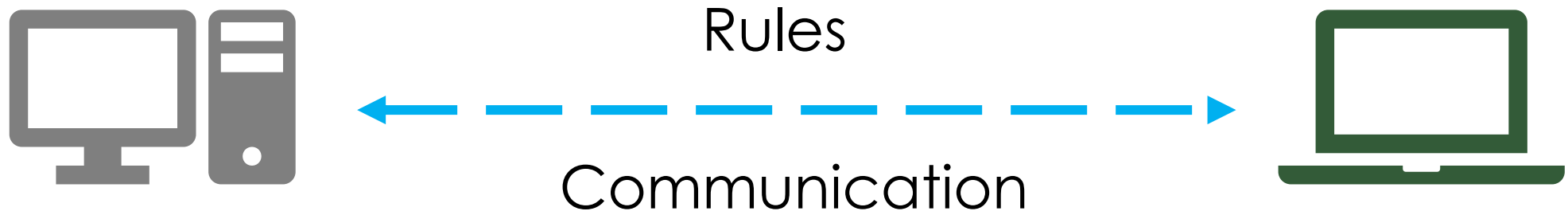


The background features a dynamic pattern of diagonal streaks in shades of blue and green, creating a sense of motion and data flow. A solid black silhouette of a hand is positioned on the right side, with the index finger pointing towards the text.

# Network Protocols

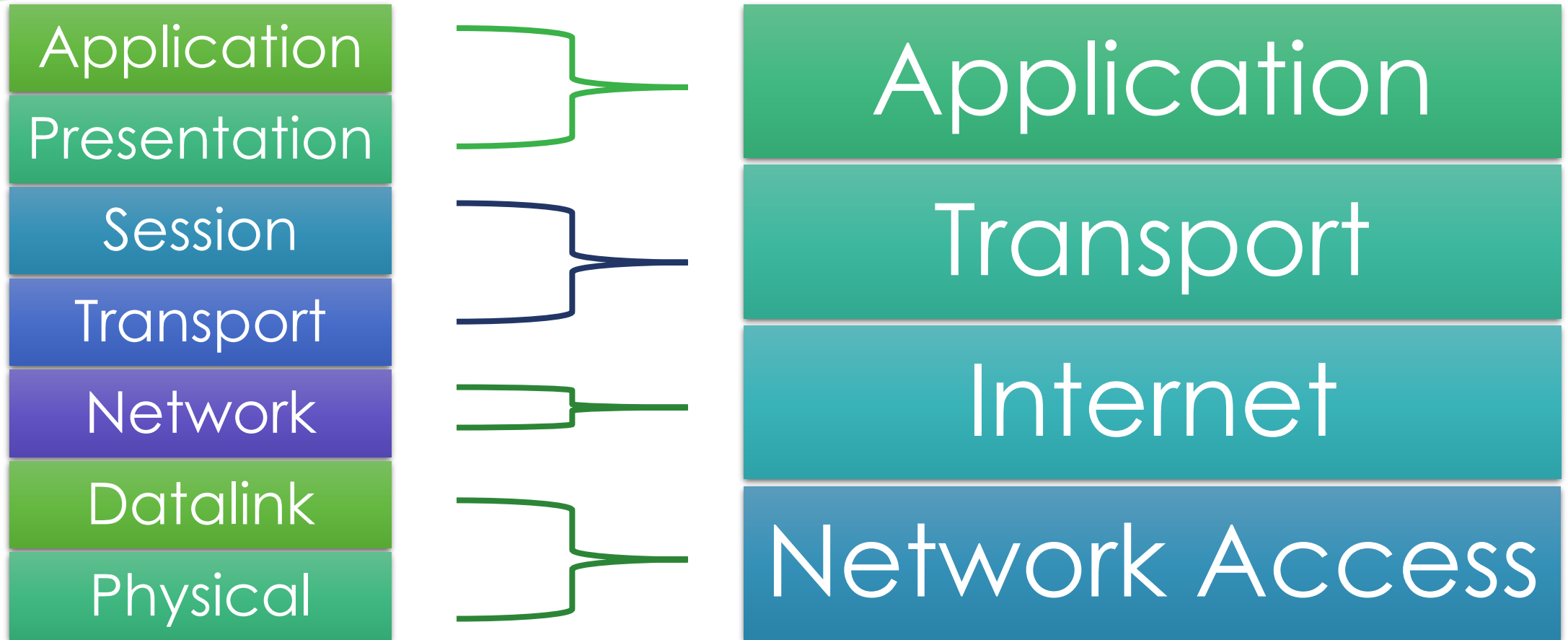
JUAN MEDINA

# What is a network protocol?





# OSI model vs TCP/IP model



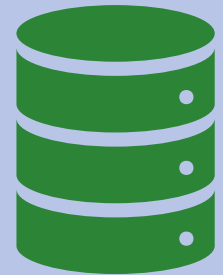
# Application layer

- Network applications
- HTTP/S
- FTP
- SMTP
- DNS



# Presentation layer

- Data
  - Translated
  - Compressed
  - Encrypted
  - Decrypted



# Session layer



Authentication



Authorization

# Transport layer

- Divides data
- Manages flow control

- TCP

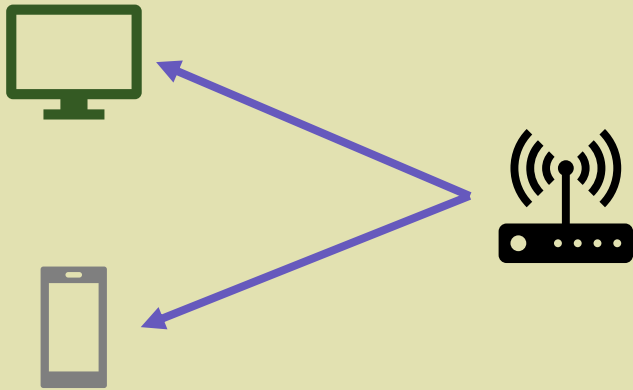


- UDP



# Network layer

- Path finding
- Identifies destination
- Internet protocol (IP, IPv4, IPv6)



# Datalink layer

- Frames data
- Provides access to transportation media
- Controls data transmission

# Physical layer

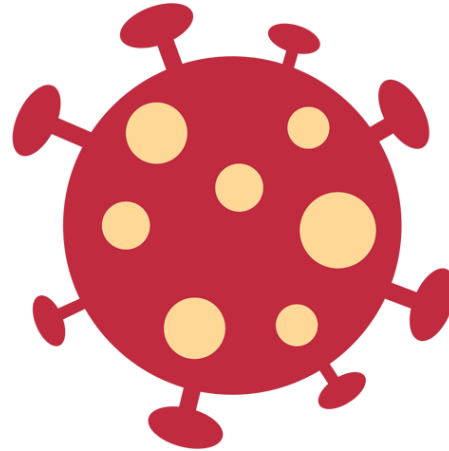
- Physical media

# Network protocols

## Advantages



## Disadvantages



A large, horizontal, green brushstroke shape with irregular, torn edges, centered on a white background. The stroke is a vibrant green color.

*Thank you!*