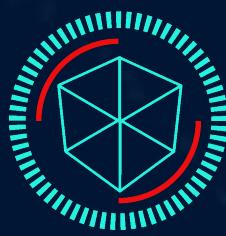


# WORLD WIDE WEB PROTOCOLS

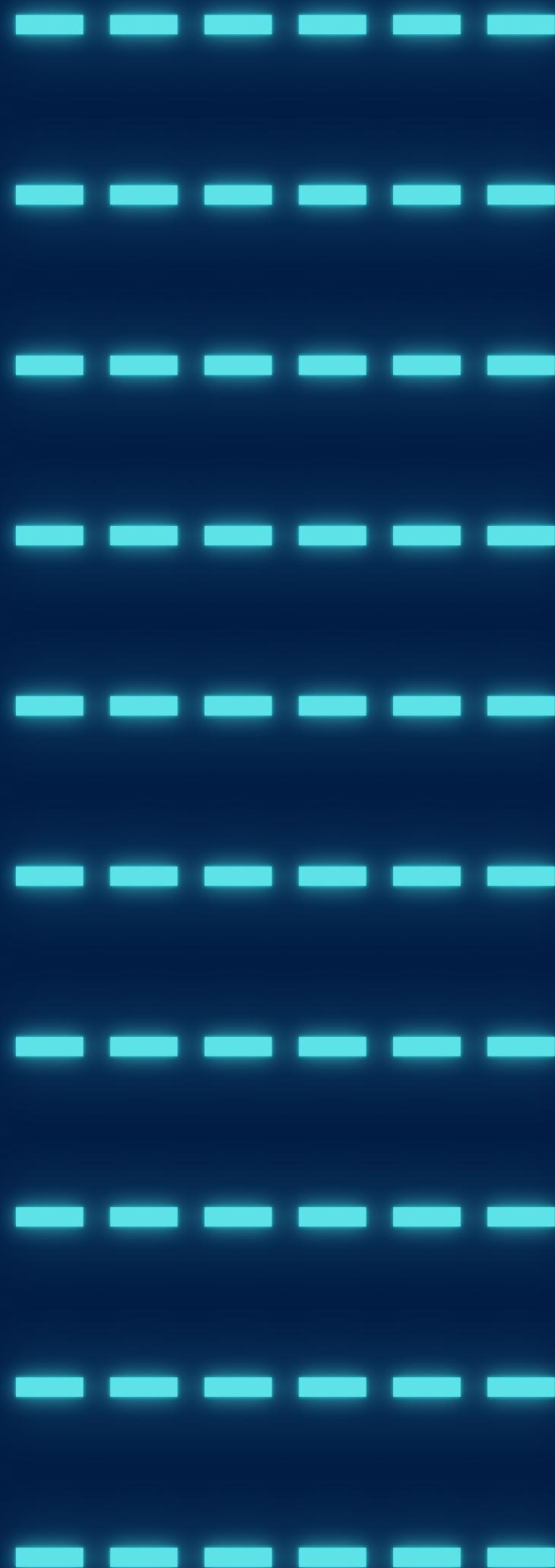


GROUP 1



# GROUP MEMBERS

- JOEL ALMIROL
- KEVIN RANE BAL
- DJORDJE  
BLYTHE BAULA
- CHRISTIAN LEE  
BANDIGAN
- RALPH ANGELOU  
BRAGANZA



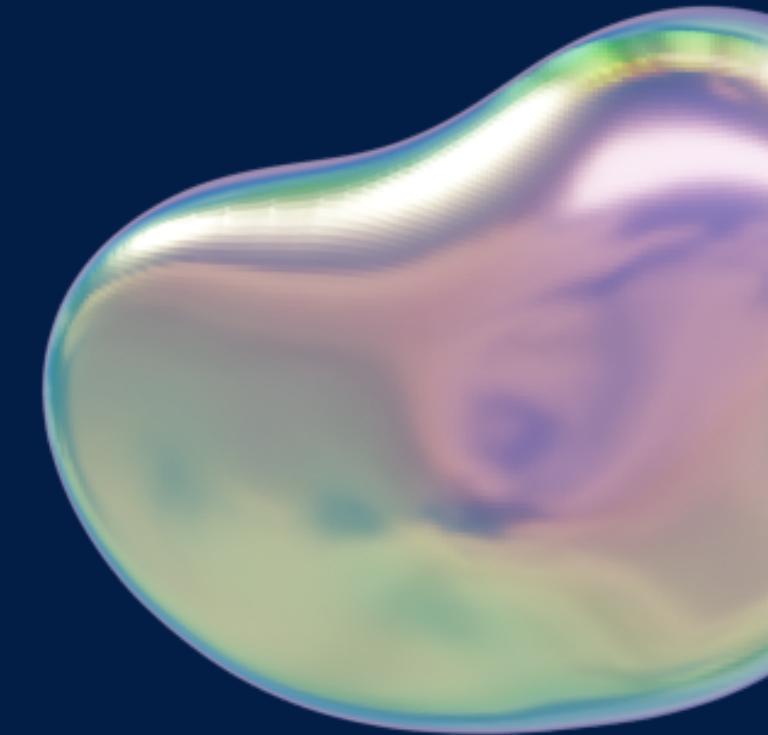
# WORLDWIDE WEB

is a system of interconnected public webpages accessible through the Internet.



# WORLDWIDE WEB PROTOCOLS

- DNS
- HTTP
- HTTPS

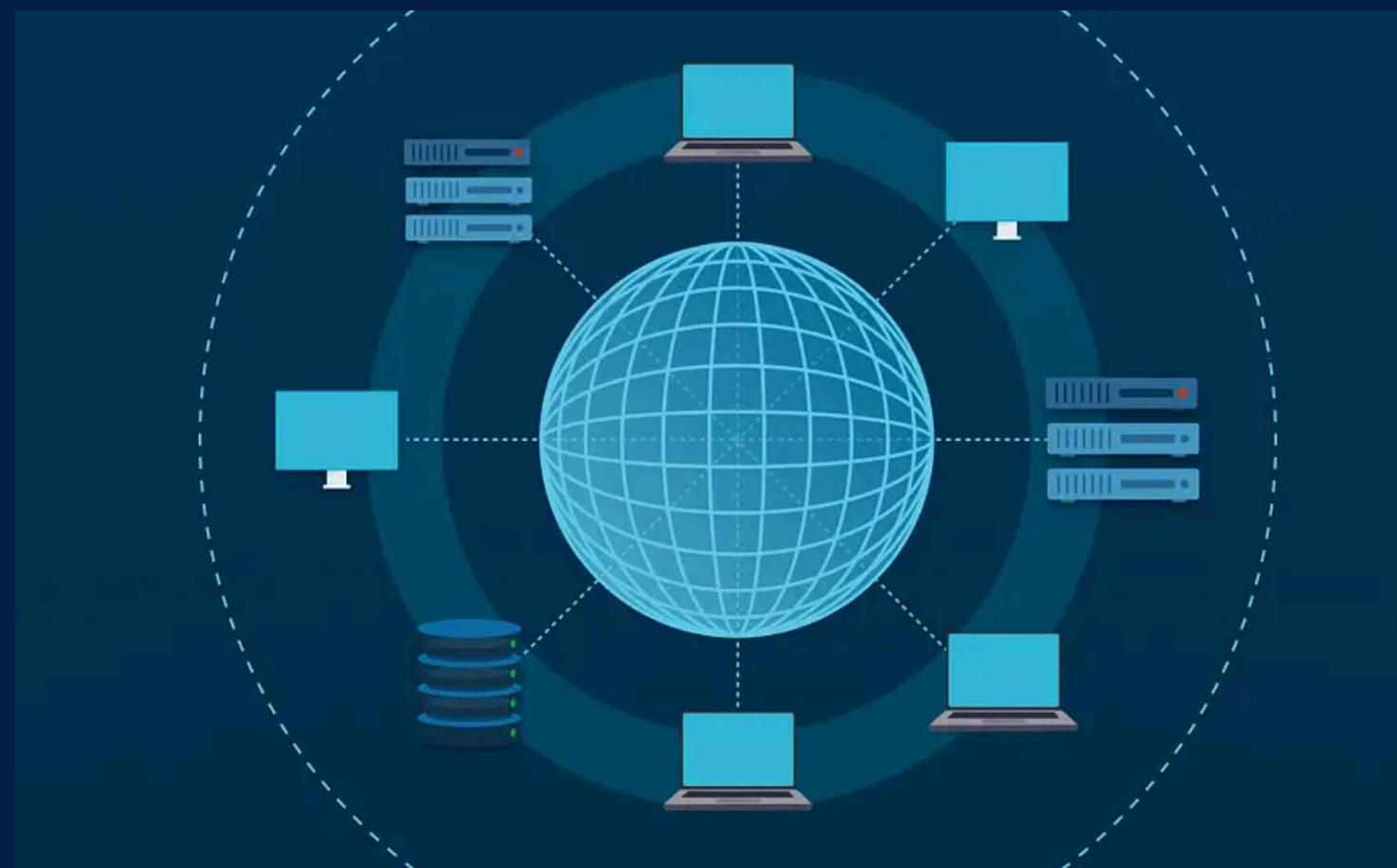


# TERMS BEFORE WE PROCEED...

O3

## PROTOCOLS

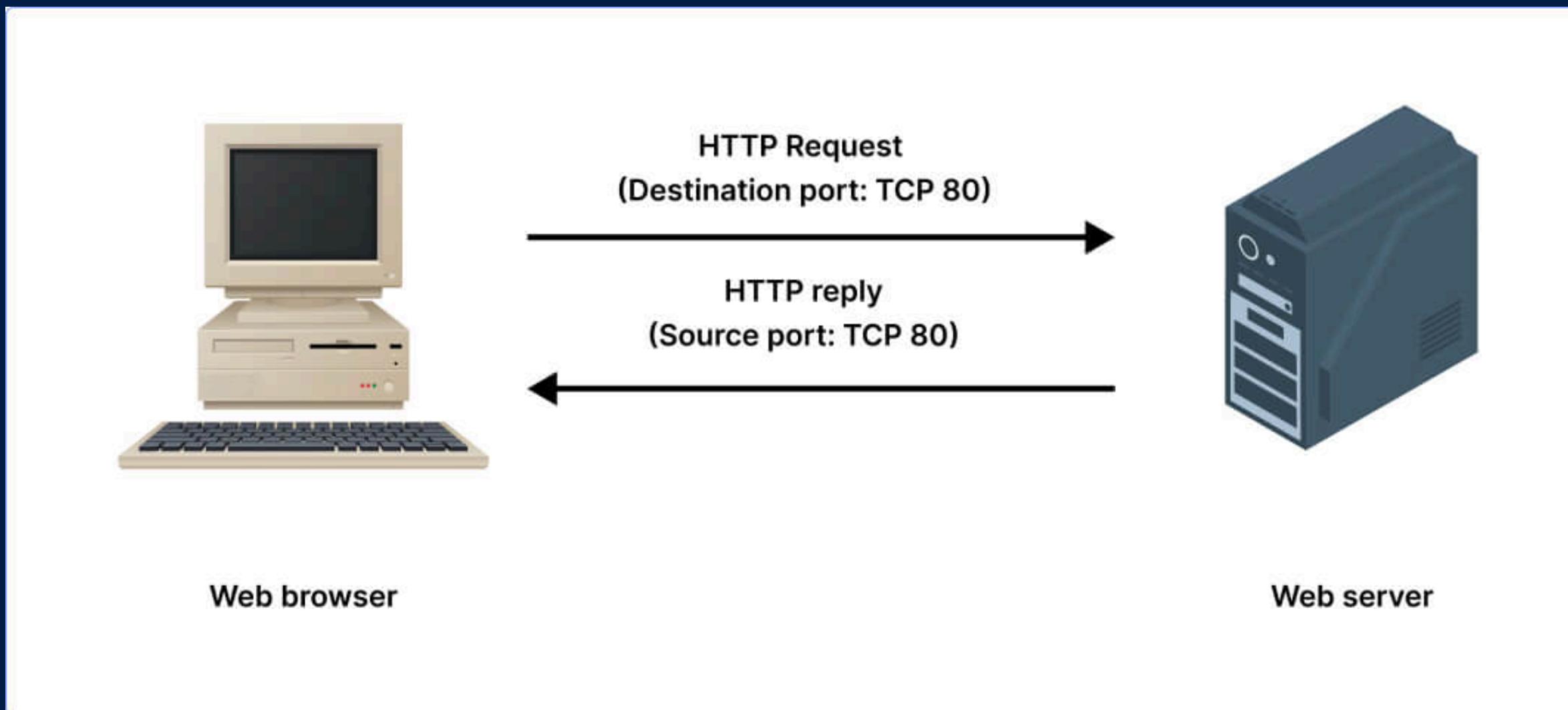
is a set of rules and procedures that defines how data is formatted, transmitted, and received.



# TERMS BEFORE WE PROCEED...

## PORTS

is a number that acts as a communication endpoint on a computer.



# PORT EXAMPLES



PORT 53



PORT 80



PORT 443

Used for DNS (Domain Name Service)

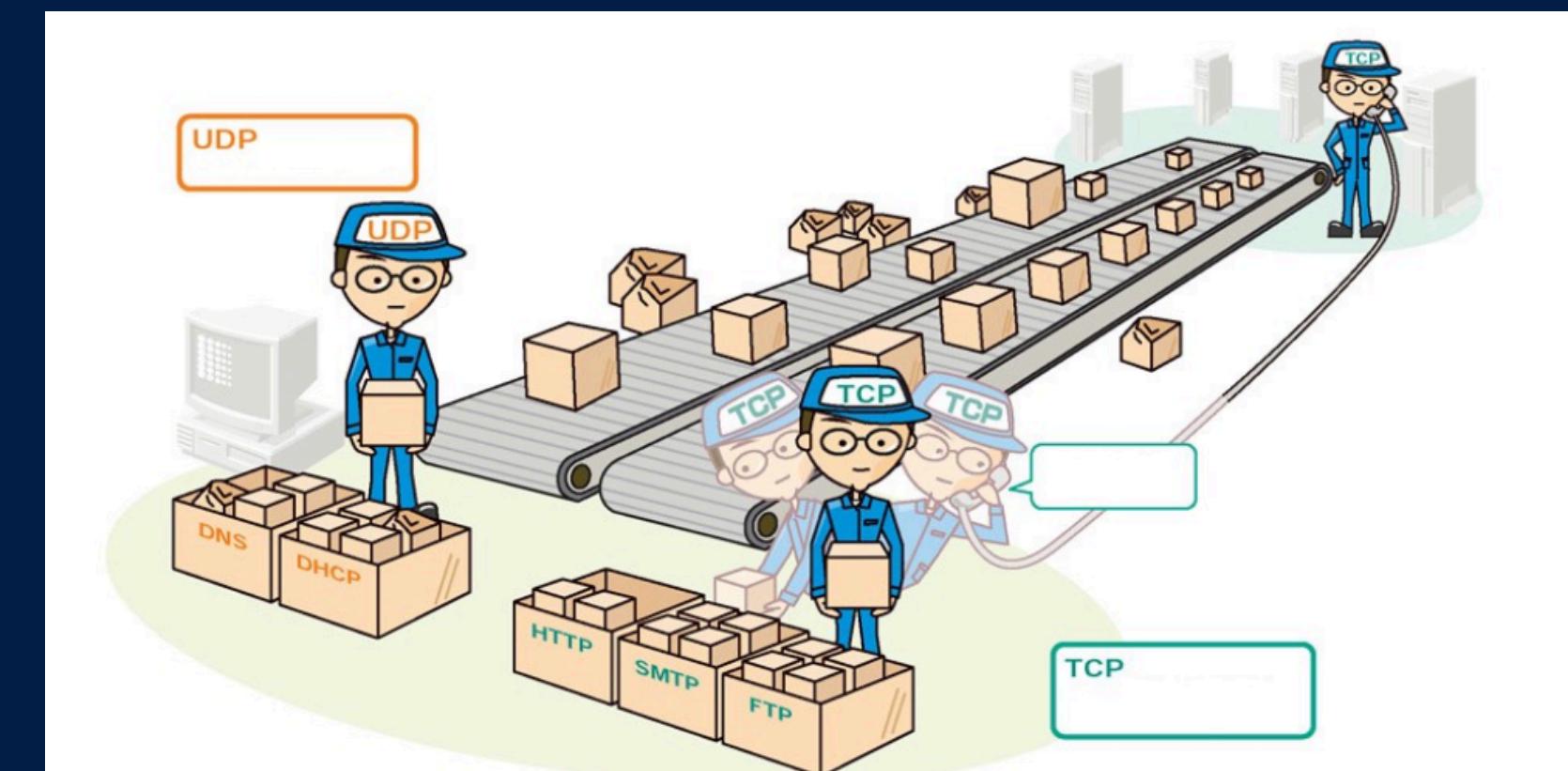
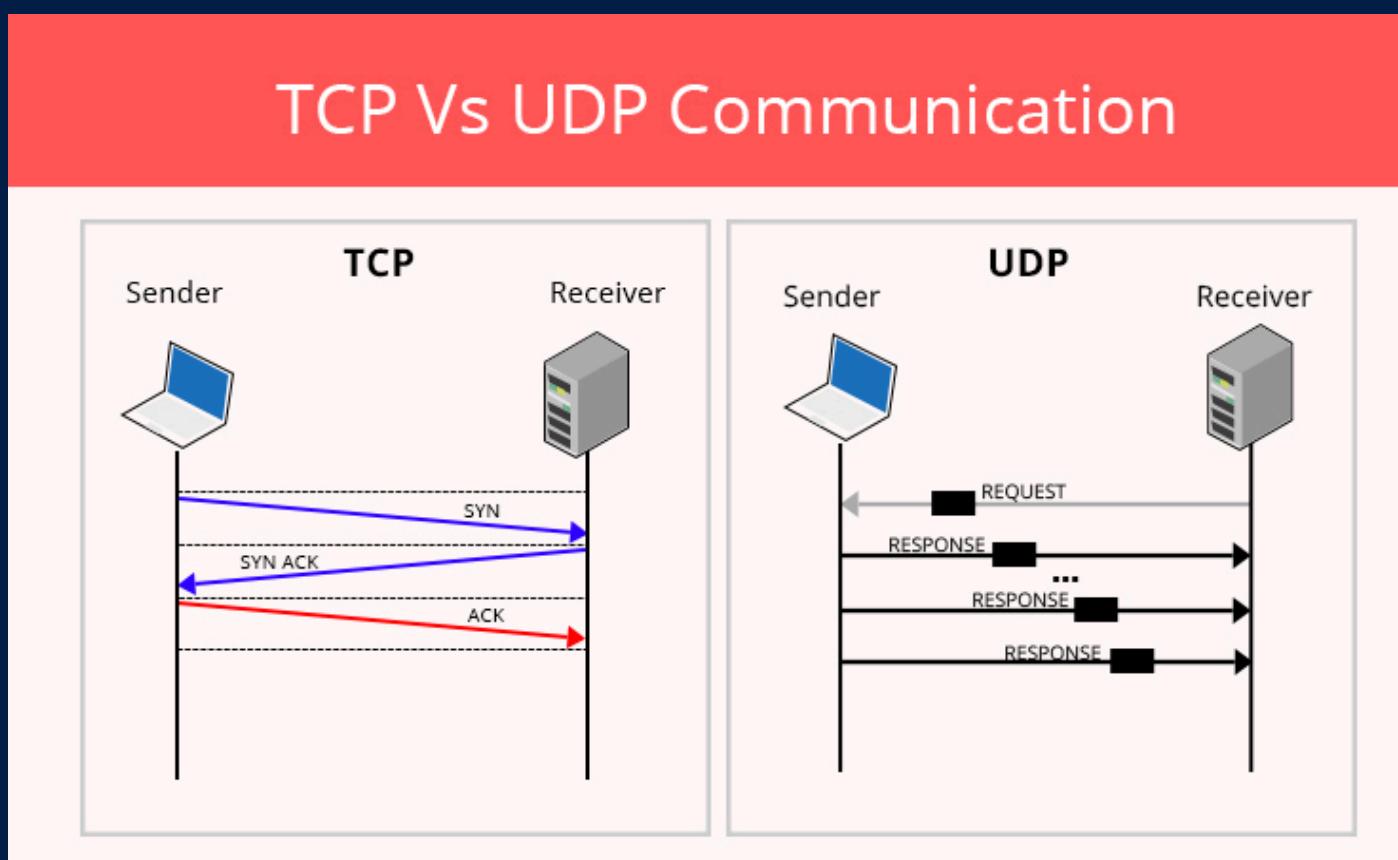
Used for HTTP (Hypertext Transfer Protocol).

443: Used for HTTPS (Hypertext Transfer Protocol Secure)

# TERMS BEFORE WE PROCEED...

## TRANSPORT PROTOCOLS

is a type of protocol that's specifically responsible for the end-to-end delivery of data between two applications.



# WHAT IS TCP & UDP?

TCP (TRANSMISSION CONTROL  
PROTOCOL)

- Connection-oriented
- Reliable, guaranteed delivery.
- Ensures packets arrive in correct order.
- Uses acknowledgements and retransmission for lost packets.
- Slower due to overhead.

slow and  
steady



# WHAT IS TCP & UDP?

## UDP (USER DATAGRAM PROTOCOL)

- Connectionless
- Unreliable, “fire and forget”
- Does not guarantee packet delivery or order
- No retransmission for lost packets
- Faster and more efficient



# TERMS BEFORE WE PROCEED...

## APPLICATION PROTOCOLS

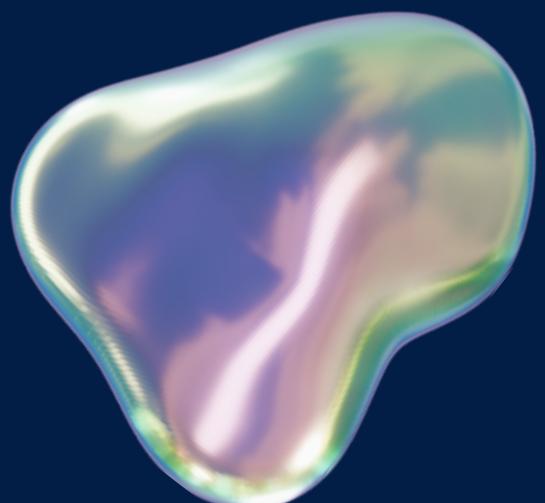
are sets of rules that define how different software applications on a network communicate with each other.



# DNS (DOMAIN NAME SERVICE)

- finds the IP address associated with a registered internet domain for Web, Email, and other internet services.
- It uses UDP and TCP.
- Port 53

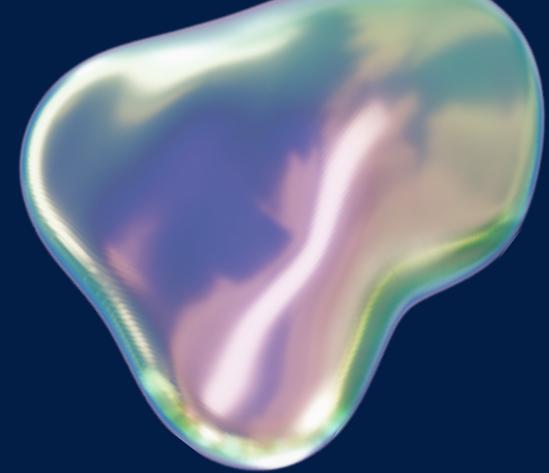




# HTTP (HYPERTEXT TRANSFER PROTOCOL)

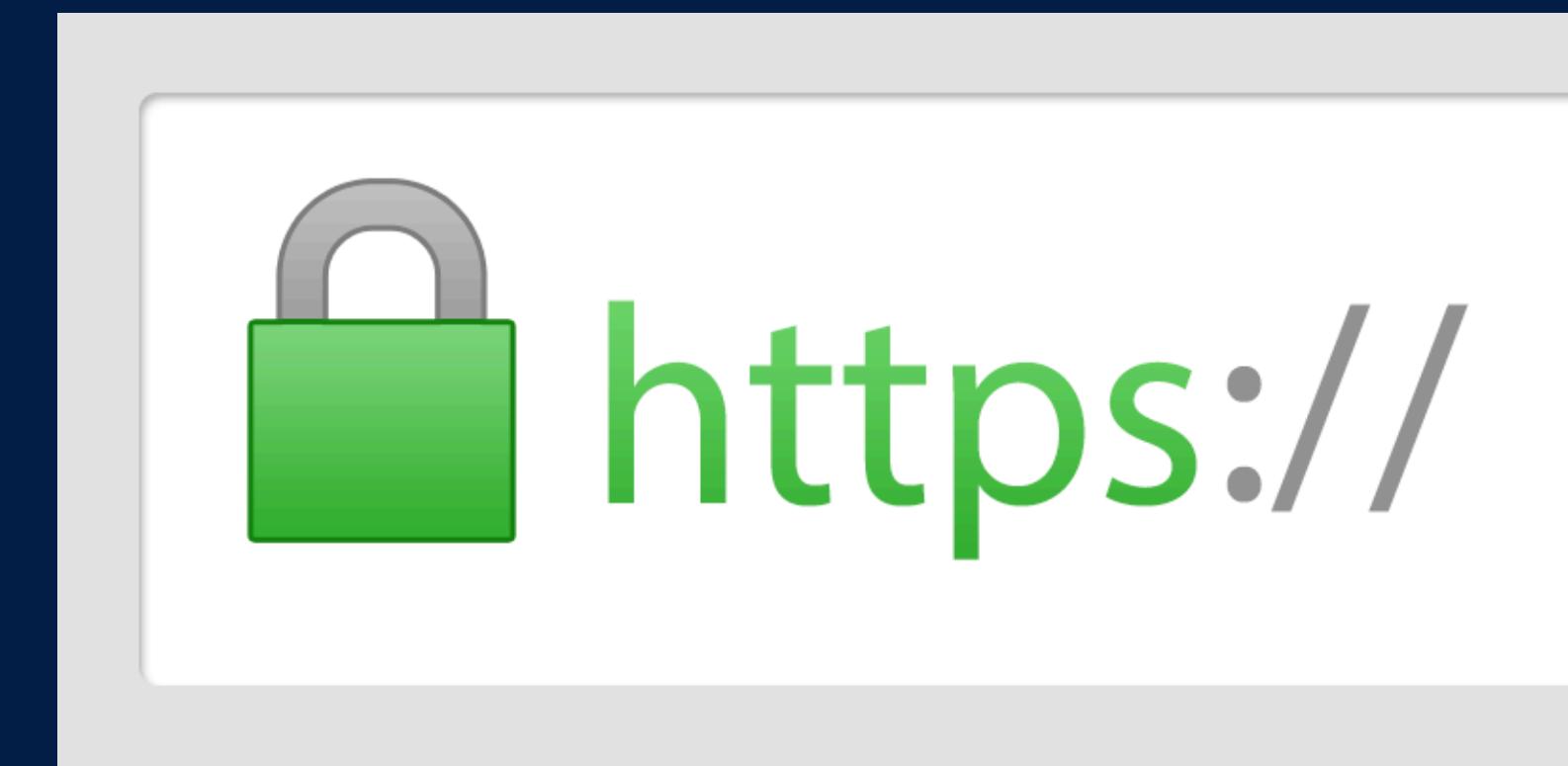
- provides a set of rules for exchanging multimedia files on the World Wide Web
- It uses TCP
- Port 80





# HTTPS (HYPERTEXT TRANSFER PROTOCOL SECURE)

- The browser encrypts and authenticates your connection with the webserver
- It uses TCP and UDP
- Port 443



THANK YOU  
FOR  
LISTENING!



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# COLLABORATION

## JOEL ALMIROL

- Helped with the PPT and finding information online.

## |KEVIN RANZ BAL

- Gathered visual-aids for the PPT and found information in the process.

## DJORDJE BLYTHE BAULA

- Gathered more in depth information for the reporting.

## CHRISTIAN LEE BANDIGAN

- Did the planning to start working the report and assigned each member what to do.

## |RALPH ANGELOV BRAGANZA

- Helped everyone on all of their parts and also helped with revisions.