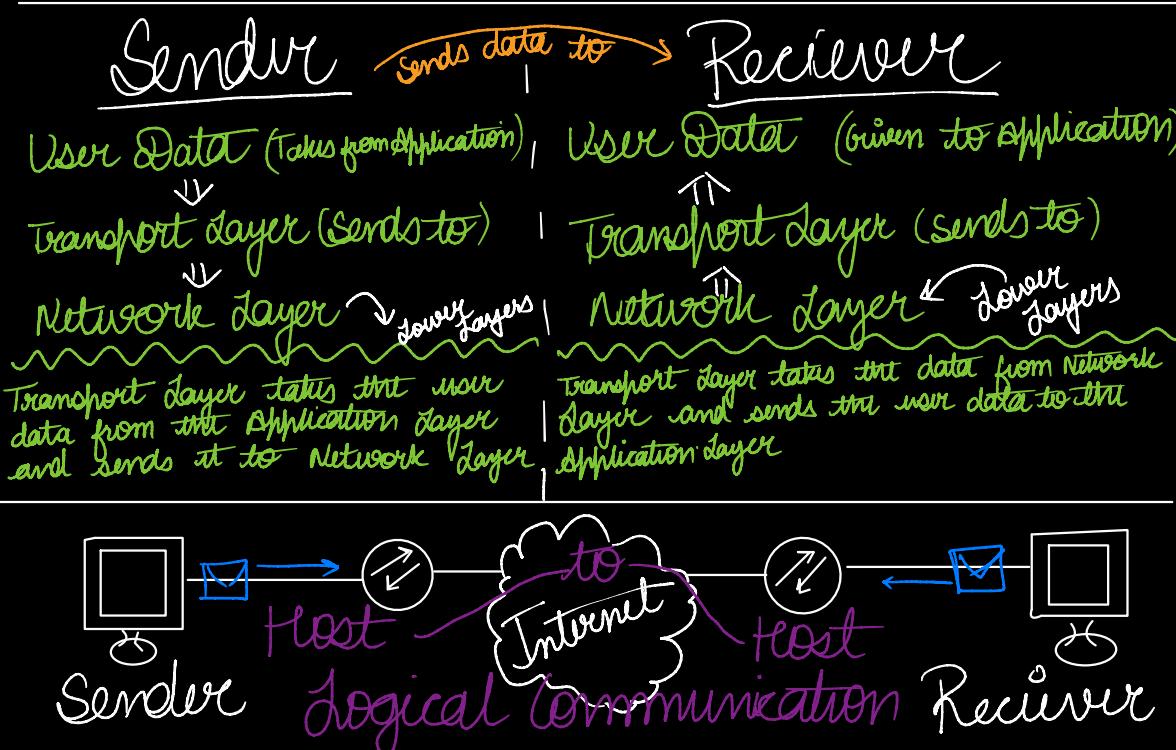
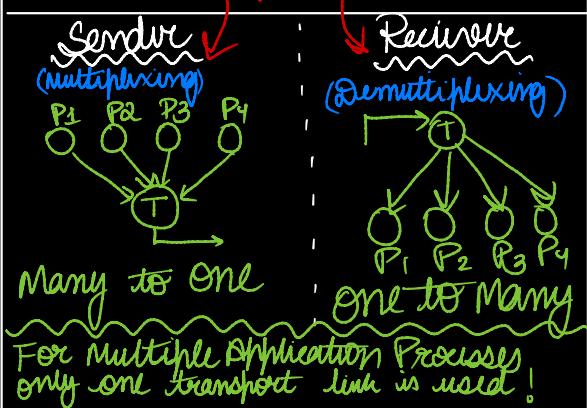


# Networking OSCP Series | ★ Transport Layer Protocol ★

@HackBookP  
★ @KavishParashad



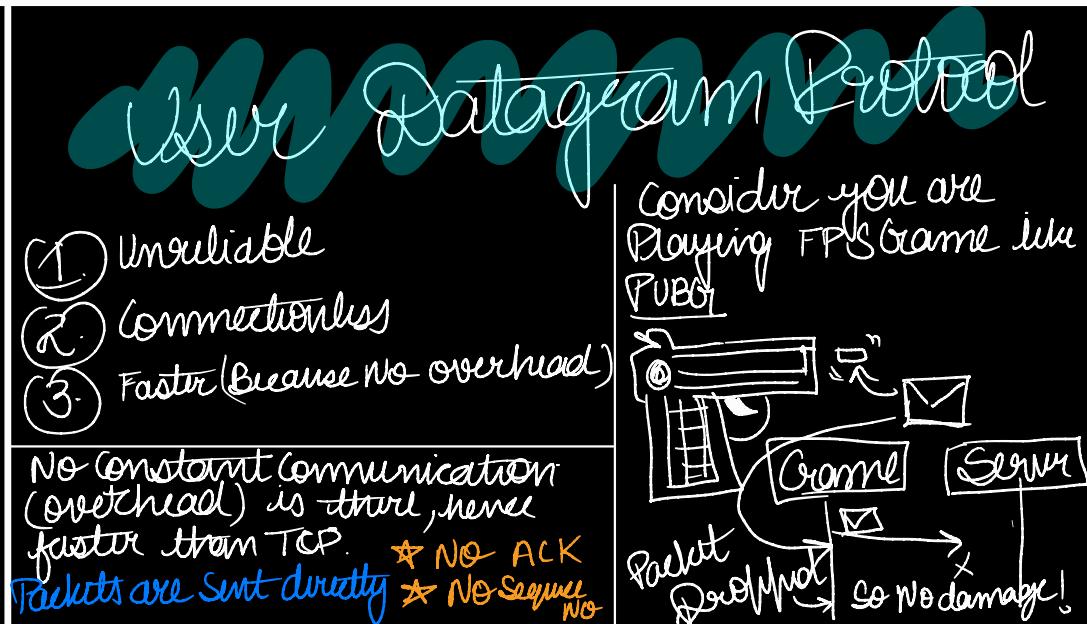
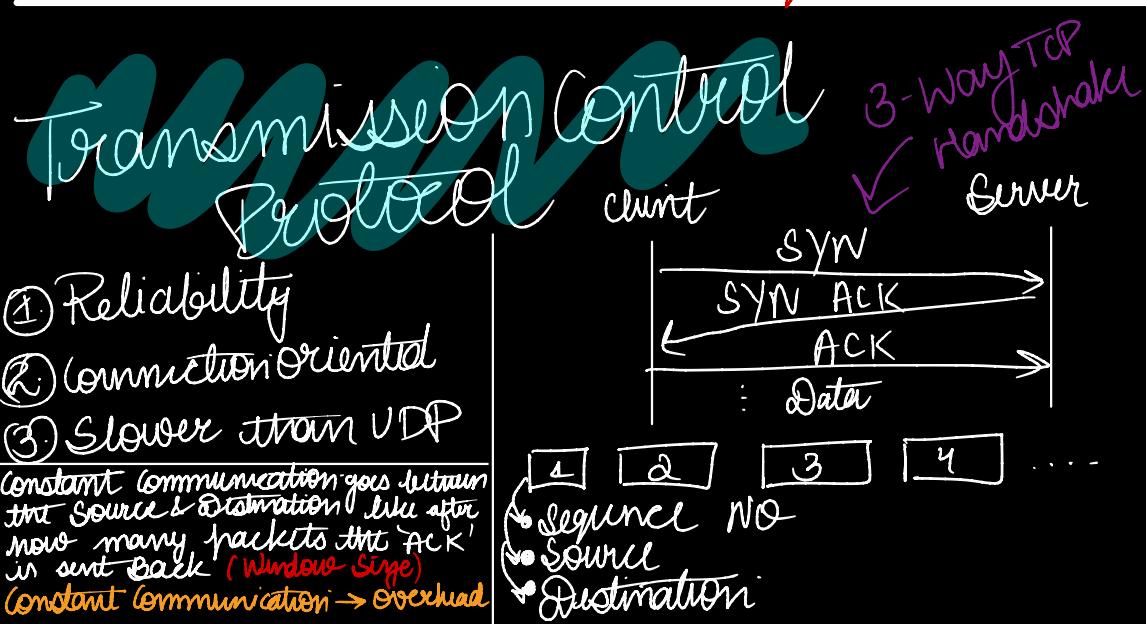
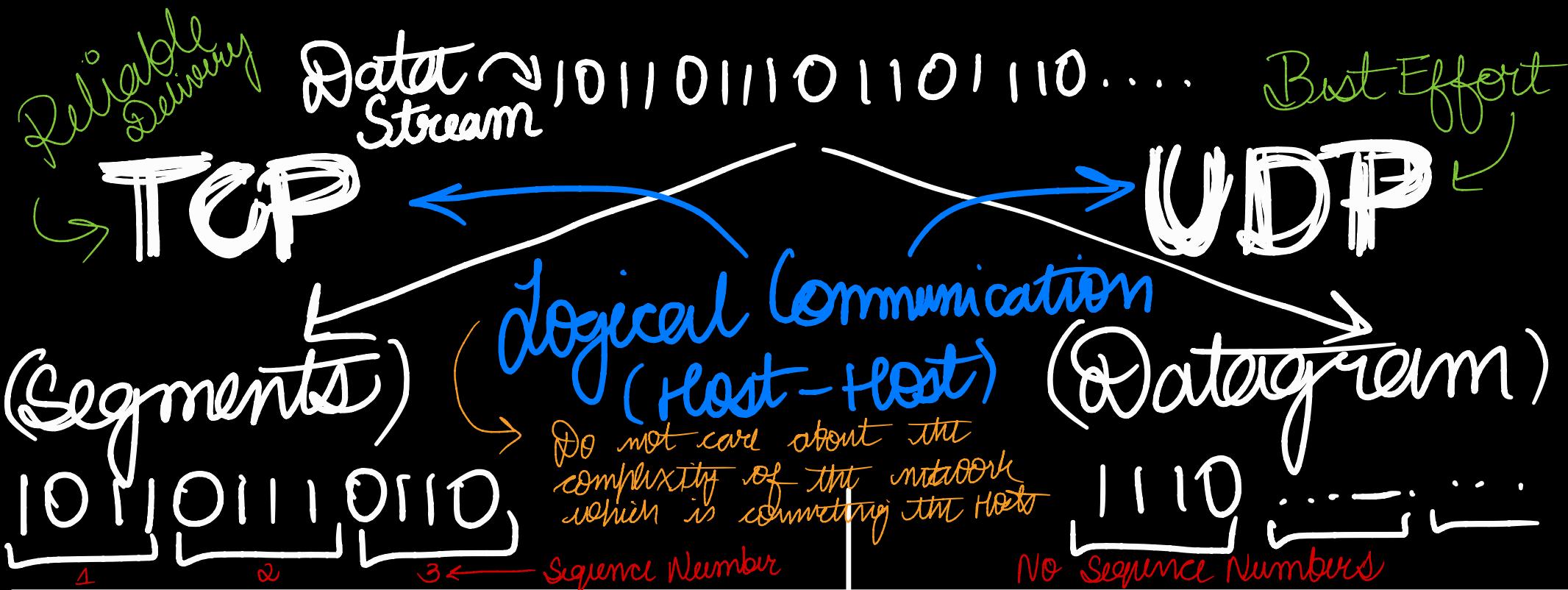
- Functionalities**
- ① End to End Delivery
  - ② Reliability
  - ③ Error Control
  - ④ Congestion Control
  - ⑤ Flow Control
  - ⑥ Multiplexing & Demultiplexing



Extend IP's delivery service between two end systems to a delivery service between two processes running on end systems and If needed to Improve that Best Effort Promise by using TCP over Network layer's IP Protocol

Application processes use the logical communication provided by the transport layer to send messages to each other, free from the worry of the details of the physical infrastructure used to carry these messages.

Prospective of the application(s); these devices are directly connected



**Used when,**

- Reliability (All Packets)
- Inorder Delivery (Sequence No according to)
- NO loss of Data (Integrity)

**Used when,**

- Real time communication
- Some Data loss is Acceptable

→ Packet(s)

