**Week 05 – Transport Layer**

Sedikit rasa penasaran

* IPv4 : Menggunakan address 32-bit. (Integer)  
  Misal : 255.255.255.255
* IPv6 : Menggunakan 128-bit address. (Hexa)  
  Misal : 2001:cdba:0000:0000:0000:0000:3257:9652
* TCP ACK Generation
  + If data segment arrived 🡪 wait 500ms, if no more segment arrived, send ACK
  + If 2 data segments arrived within 500ms 🡪 send ACK for both segment
  + Broken segment
    - Data segment #1 arrived (no. 1) 🡪 send next ACK (no. 2)
    - Data segment #2 did not arrive and within 500ms data segment #3 arrived 🡪 send last sent ACK (no.2) again
    - Data segment #2 arrived 🡪 send ACK for last segment (no.4 (because last segment is 3, then +1))