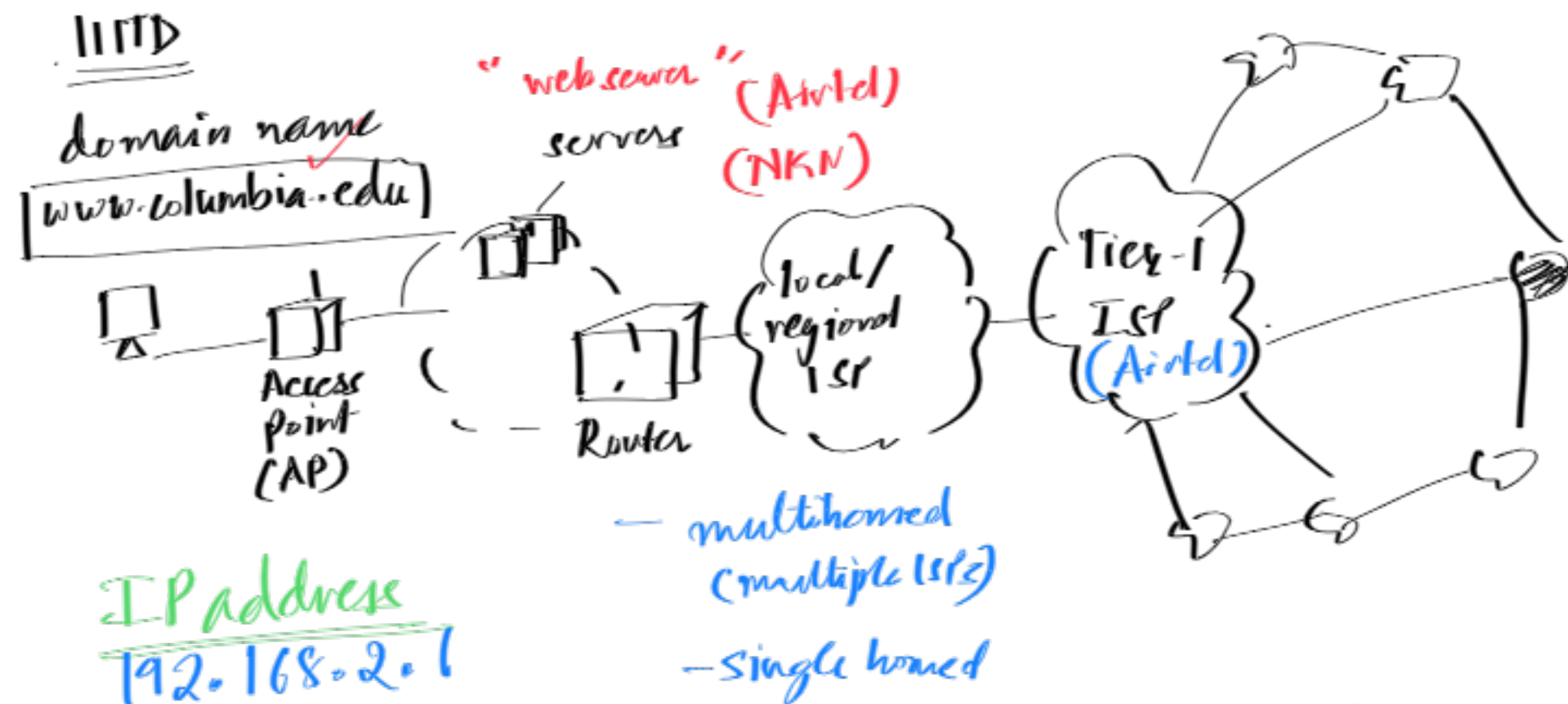
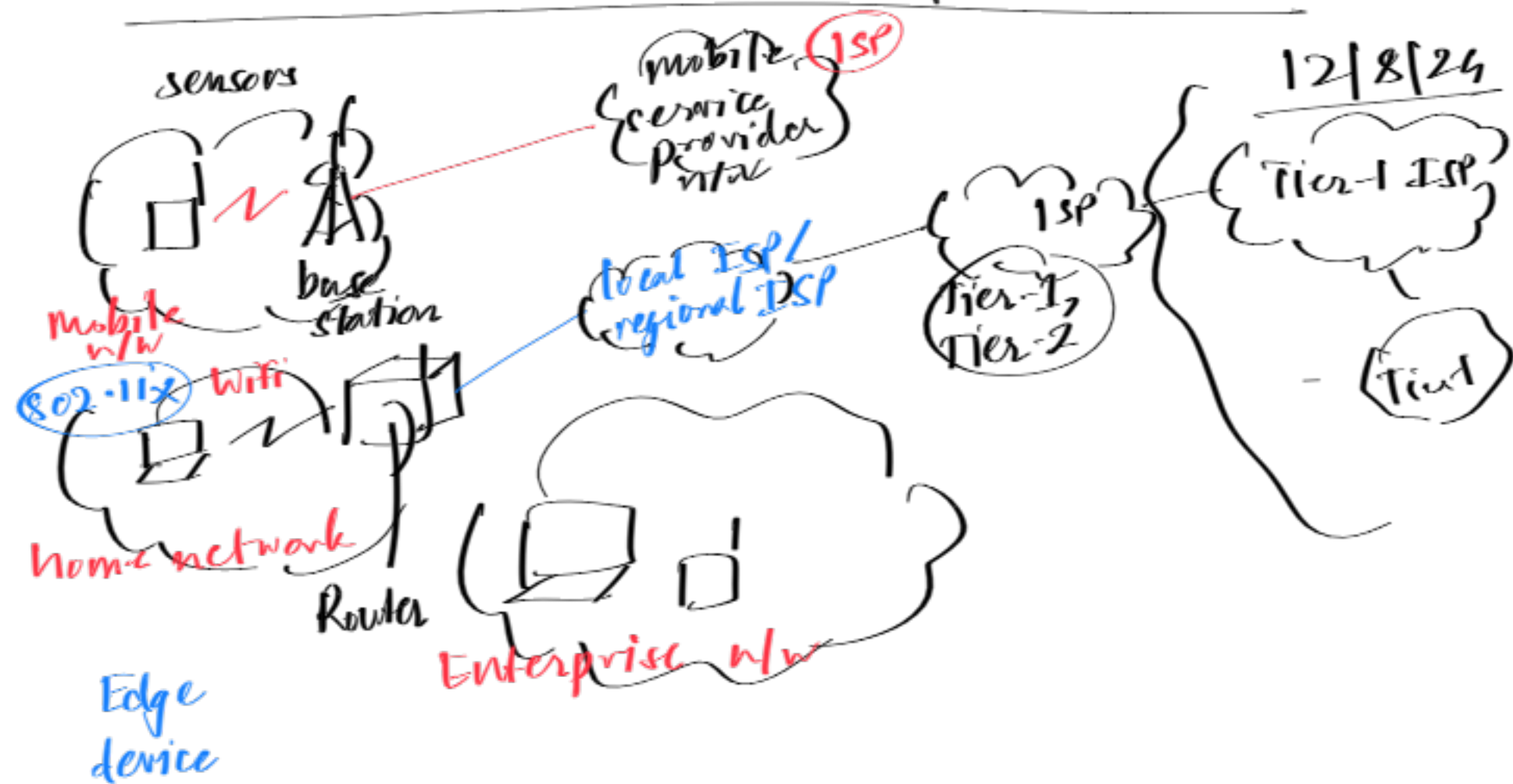


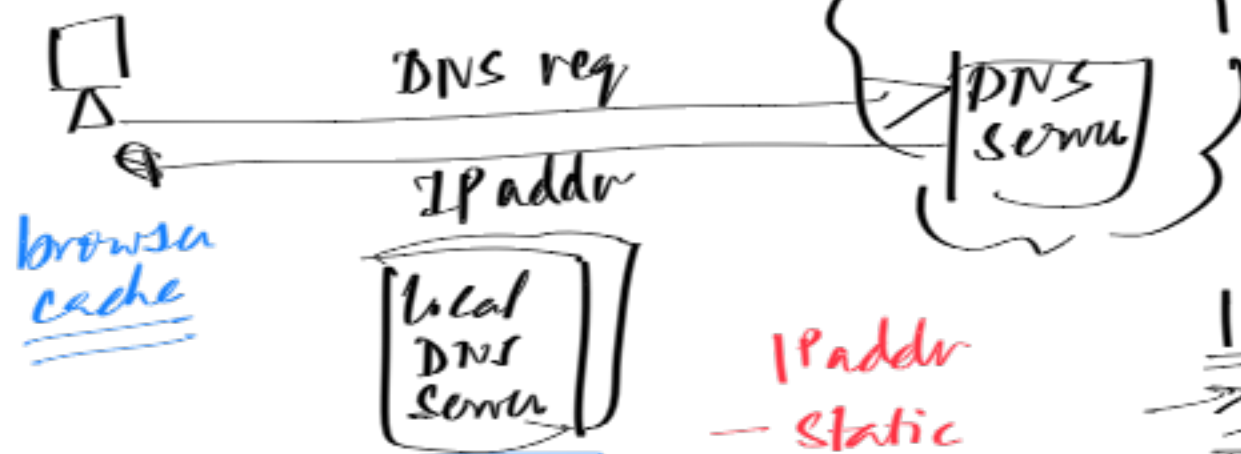
Lec 01: Introduction to Computer Networks



IP address
192.168.2.1

• DNS server
Domain Name System \Rightarrow map domain names to IP address

https://www.columbia.edu



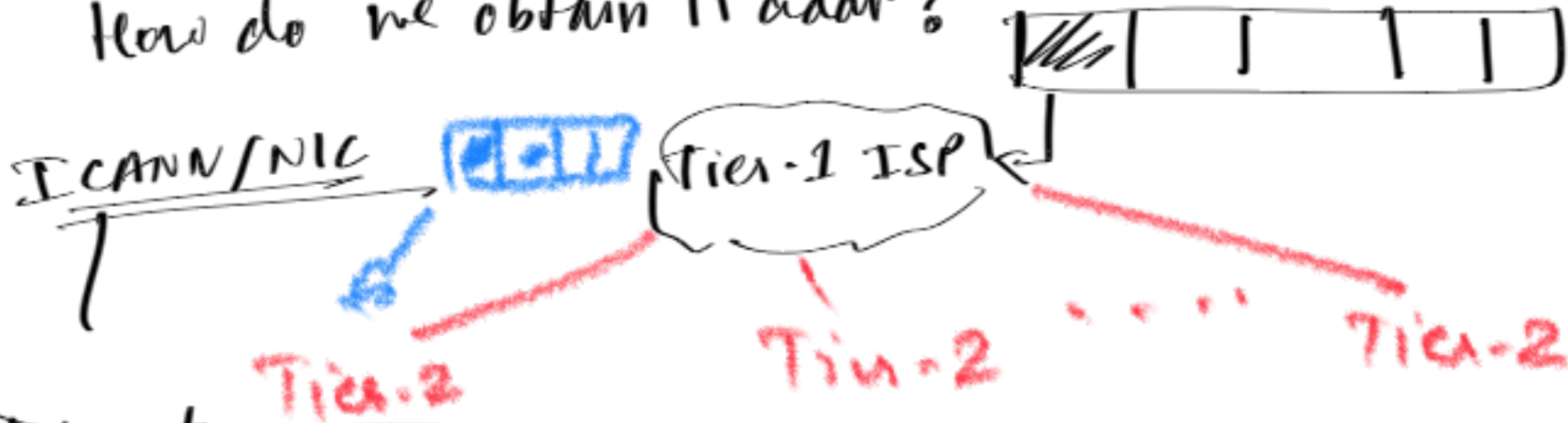
IPaddr
↳ IPv4: 32-bit
 $2^{32} = 4G$
↳ IPv6: 128-bit
 2^{128}

IPaddr - Unique over entire world
↳ public - access Internet
↳ private - unique within LAN
↳ ≠ connect to Internet

IPaddr
- static
- dynamic

10.X.X.X } private IP
172.16.X.X
192.168.X.X

How do we obtain IPaddr?



Internet Corporation for Assigned Names & Numbers

① DNS req →
IPaddr ←

②

