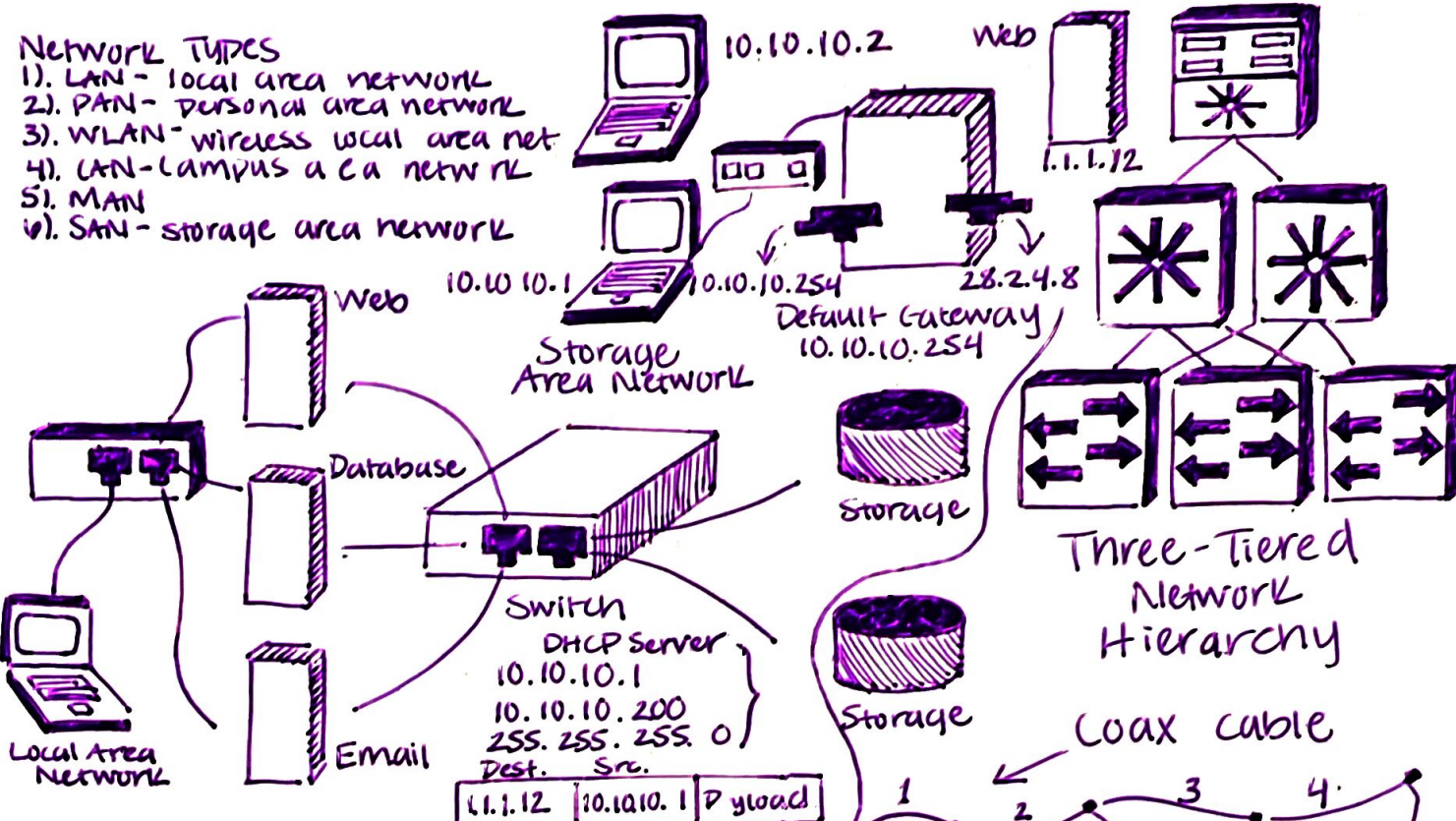


# 04/24 + 04/25 Notes

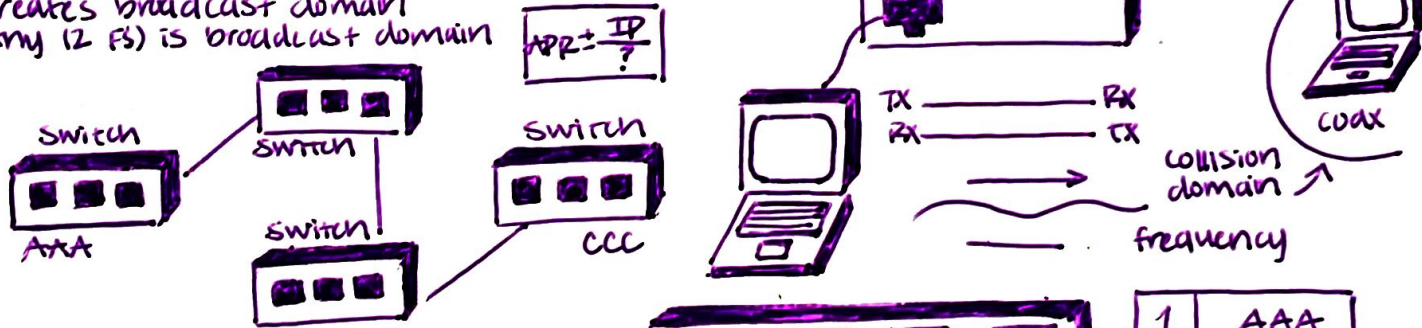
## Network Types

- 1). LAN - local area network
- 2). PAN - personal area network
- 3). WLAN - wireless local area network
- 4). CAN - campus area network
- 5). MAN
- 6). SAN - storage area network



## 04 25/25 Class Notes

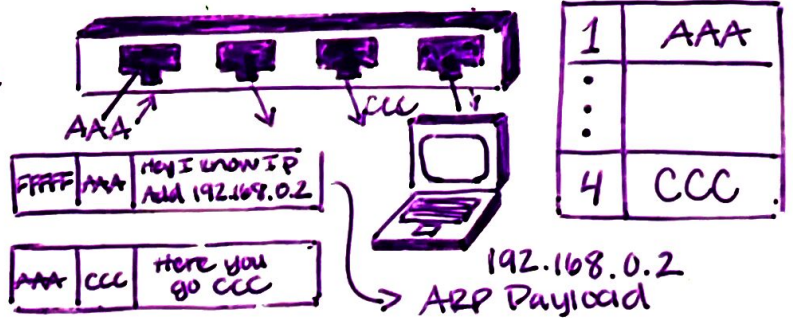
- \* Collision domain happens at the hub
- \* Switch separates collision domain but creates broadcast domain
- \* Any (2 FS) is broadcast domain



Destination MAC  
FF:FF:FF:FF

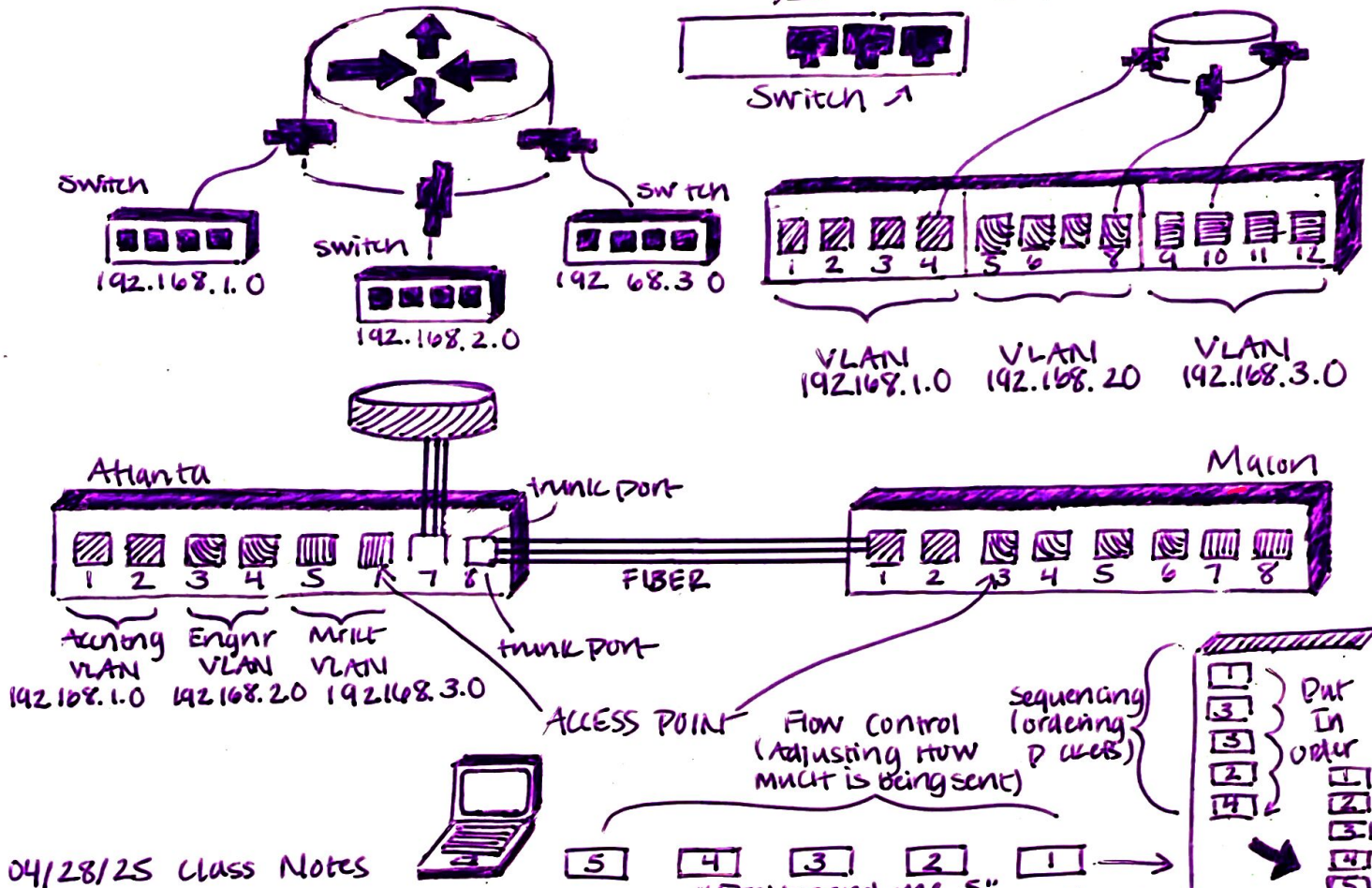
Source MAC  
AAA

- \* Uses ARP
- \* Router DOES NOT route broadcast
- \* Function of switch is to learn MAC addresses!





# 04/25 and 04/28 Notes



## 04/28/25 Class Notes

1a	Application
6p	
5s	
4	(sequence) TCP Transport (datagram) UDP

Payload

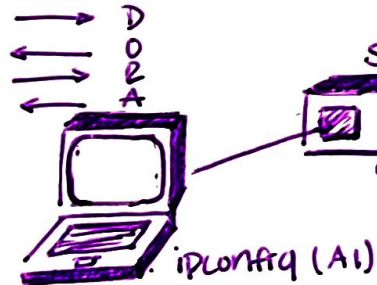
Connection Oriented → "Reliable"

Connectionless

Flow Control

Sequencing

DHCP Server (Port 68, 69)



Switch

192.168.1.0/24



.1  
.9  
.10 - .254  
.11 → mac  
.200 - .210

IP Address

Subnet

Default gateway

DNS Server

ID Add Settings

TCP Handshake

1. SYN
2. SYN - ACK
3. ACK