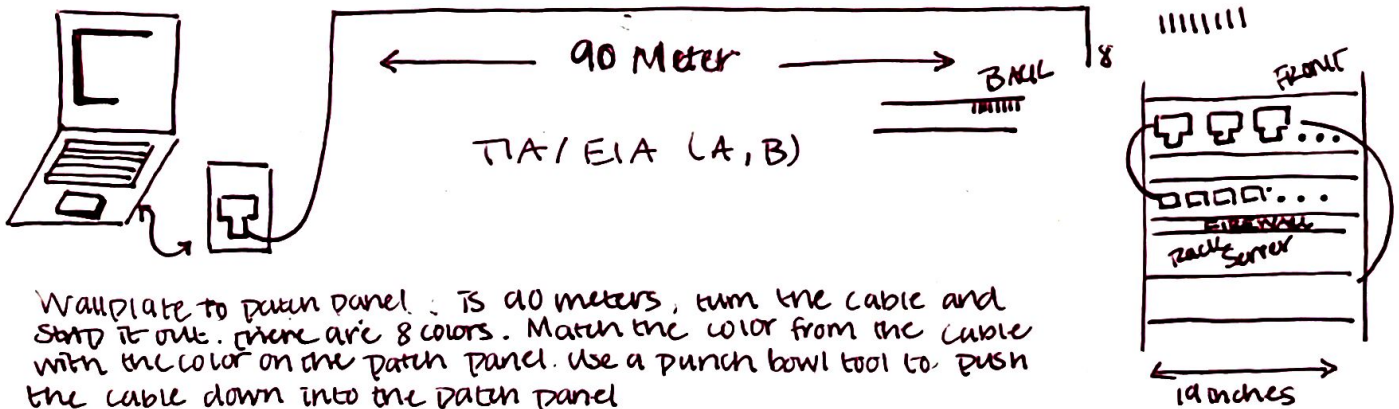


Network Card

04/15 class



Wallplate to patch panel: is 90 meters, turn the cable and strip it out. there are 8 colors. Match the color from the cable with the color on the patch panel. Use a punch bowl tool to push the cable down into the patch panel

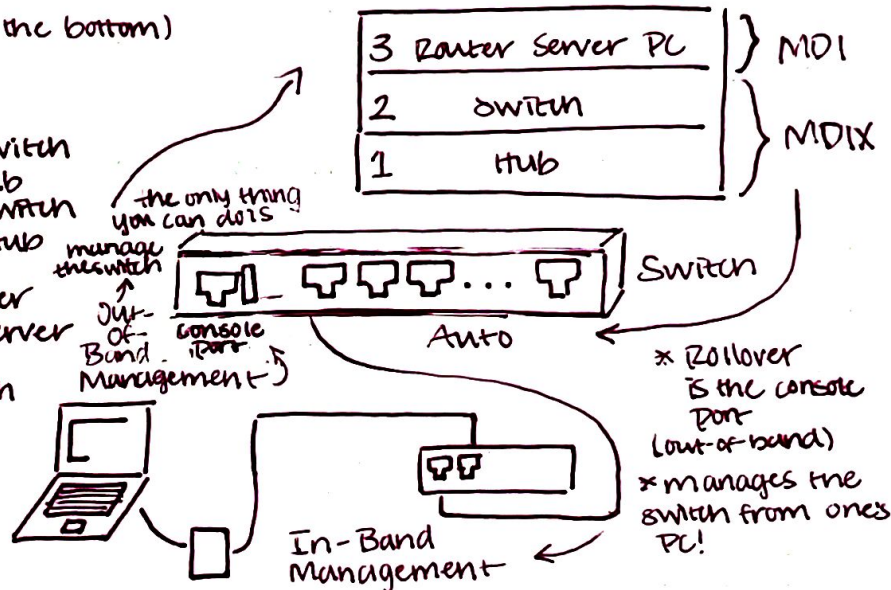
* Patch cable can be:

1. Straight Through (top talking to the bottom)
2. Crossover
3. Rollover

Router	STRAIGHT	Switch
Router	STRAIGHT	Hub
PC / Server	STRAIGHT	Switch
PC / Server	STRAIGHT	Hub
Switch	STRAIGHT	Hub
Router	CROSS	Router
Router	CROSS	PC / Server
PC	CROSS	PC
Switch	CROSS	Switch
Hub	CROSS	Hub

In-Band Management is FROM COMPUTER

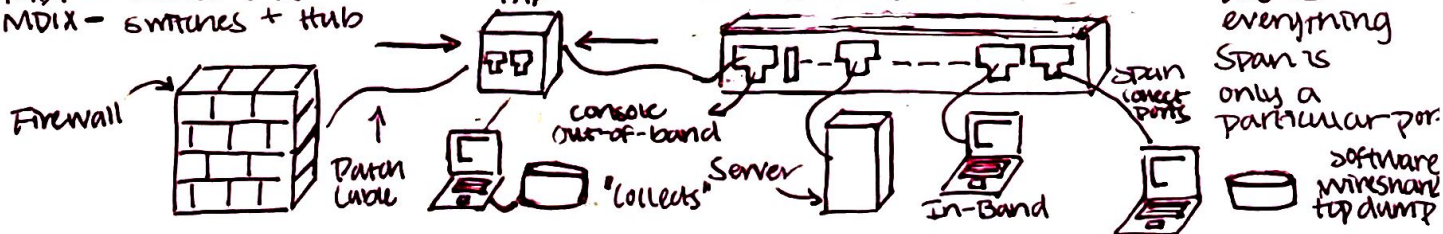
Out-Of-Band Management is IN PERSON

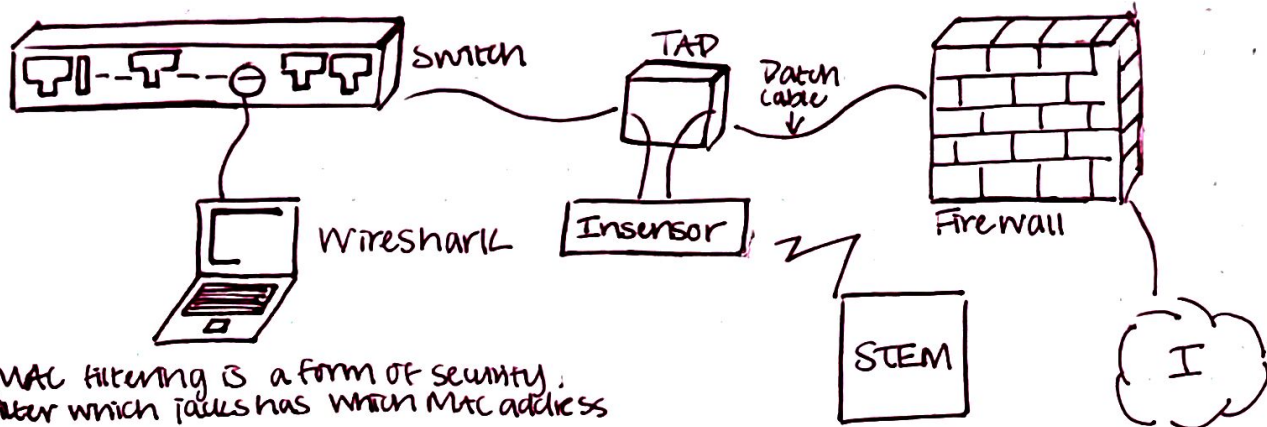


Now! auto allows you to use straight through because Switches are smart* Frames and Packages

MDI - Router + PC

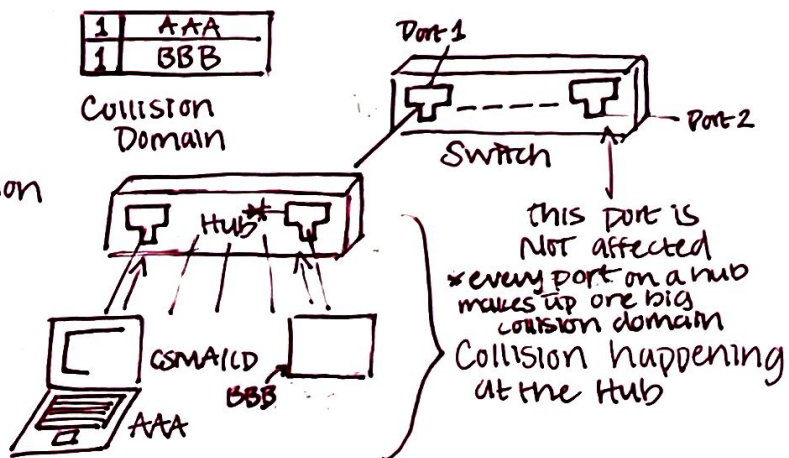
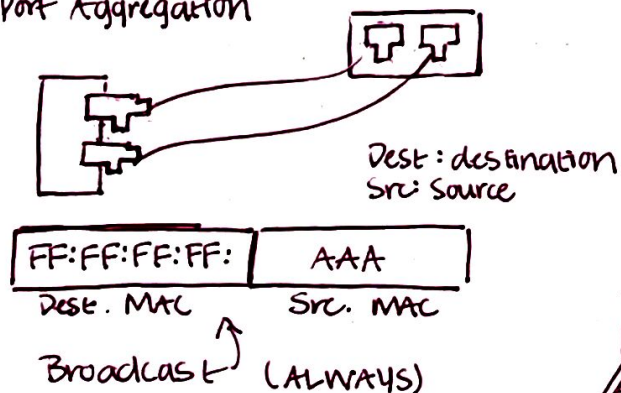
MDIX - Switches + Hub





* MAC filtering is a form of security,
After which takes has which Mac address

Port Aggregation



this port is NOT affected
* every port on a hub makes up one big collision domain
Collision happening at the Hub