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YTB  
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Secure Baseline - CompTIA Sect  
Application Security - CompTIA Sect

### Harden Systems

Baseline.  
Application security.

### \*Proton VPN

Digital Signature: hash # +  $\frac{G^{priv.}}{G^{pub}}$

**Best practices:** operating system updates / service packs, security patches  
User account: minimum password lengths & continuity

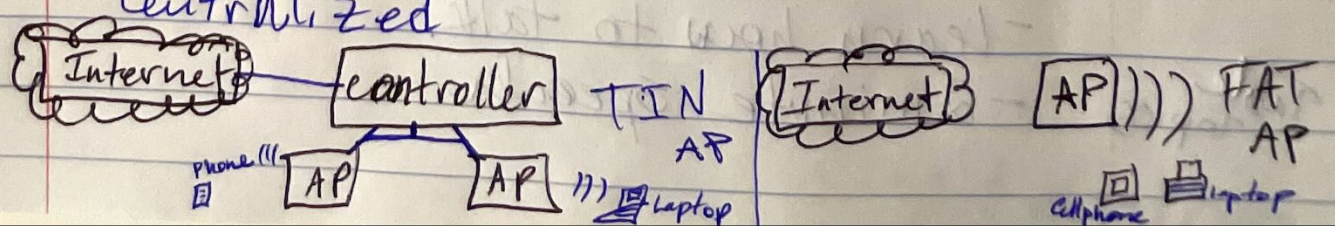
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Vulnerability Remediation - CompTIA Sect

Risk : Acceptance  
Mitigation  
Transfer "insurance"  
Avoidance

Wifi-5 802.11a 2.4 & 5 GHz 1GB  
CSMA/CA  
IEEE 802.11 > sec

Physical Security  
Access Point (AP)  
- centralized





William Prado

07/29/2025

Network Security  
Capability Enhancement

## Wifi Security

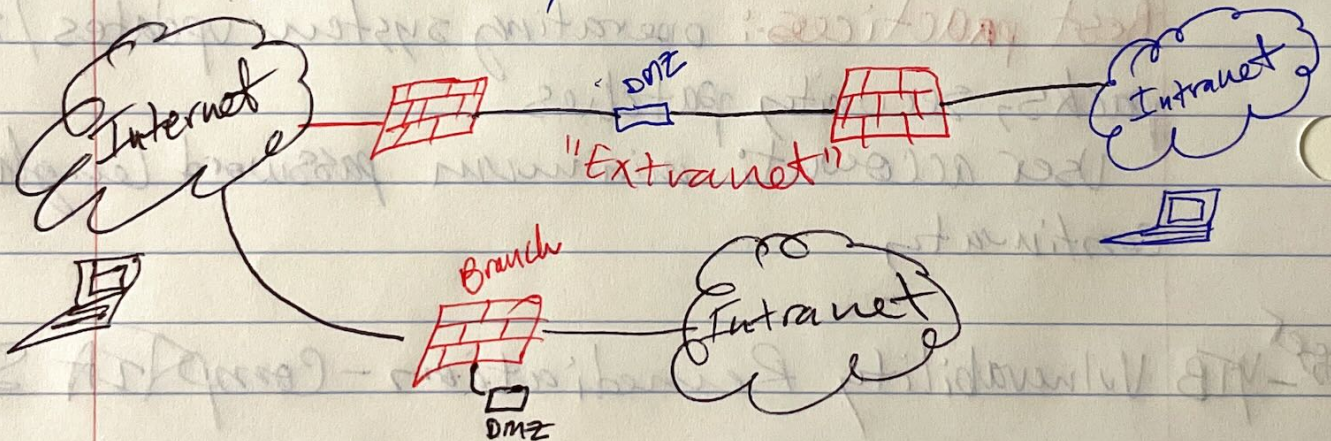
### Wireless encryption Standards

#### - WEP (Wired Equivalent Privacy)

• outdated & insecure, uses static key & weak IV's.

- WPA (Wifi Protected Access) improved over WEP but WPA is still vulnerable to some attacks.

- WPA2: uses AES encryption & ccmp for stronger security.



Sunny  
Classroom

### YTB Wireless LAN:

#### YTB Wifi (wireless) Password Security

#### YTB 802.1X and EAP

#### YTB Wifi 6 explained

#### YTB Micro Nugget: How to use 802.1X

#### - Toast master

- learn how to talk.

- 2 minute speech

Table  
Topics