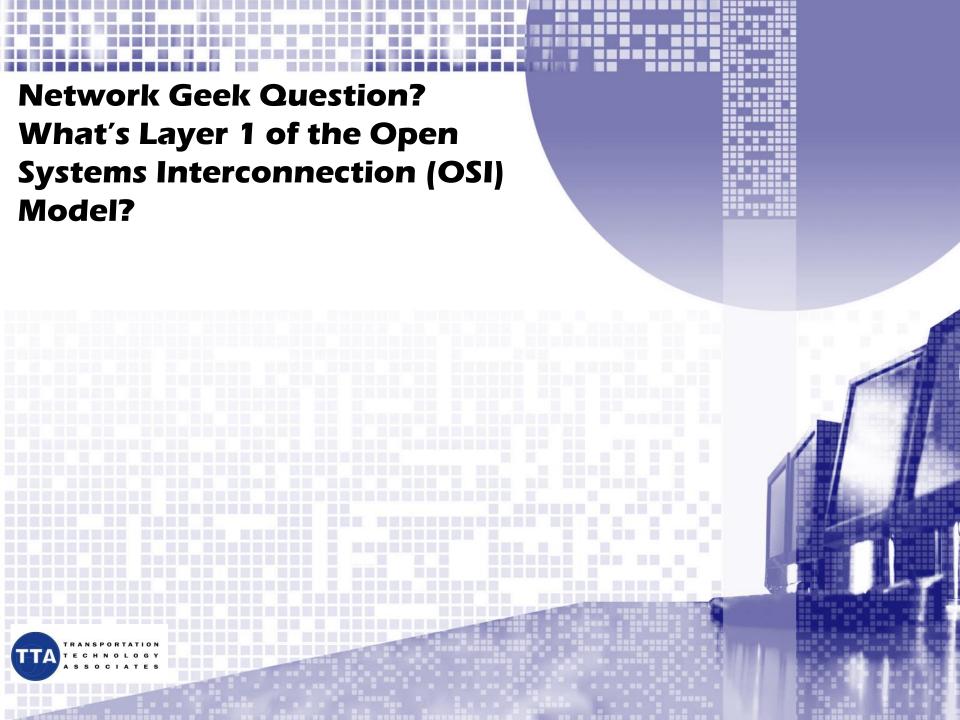


Cybersecurity 101: Hardening the Physical Network

"I know you know this stuff, but do you practice it?"

Michael Mann CPP, PSP, CISSP Partner / Sr. Systems Design Consultant



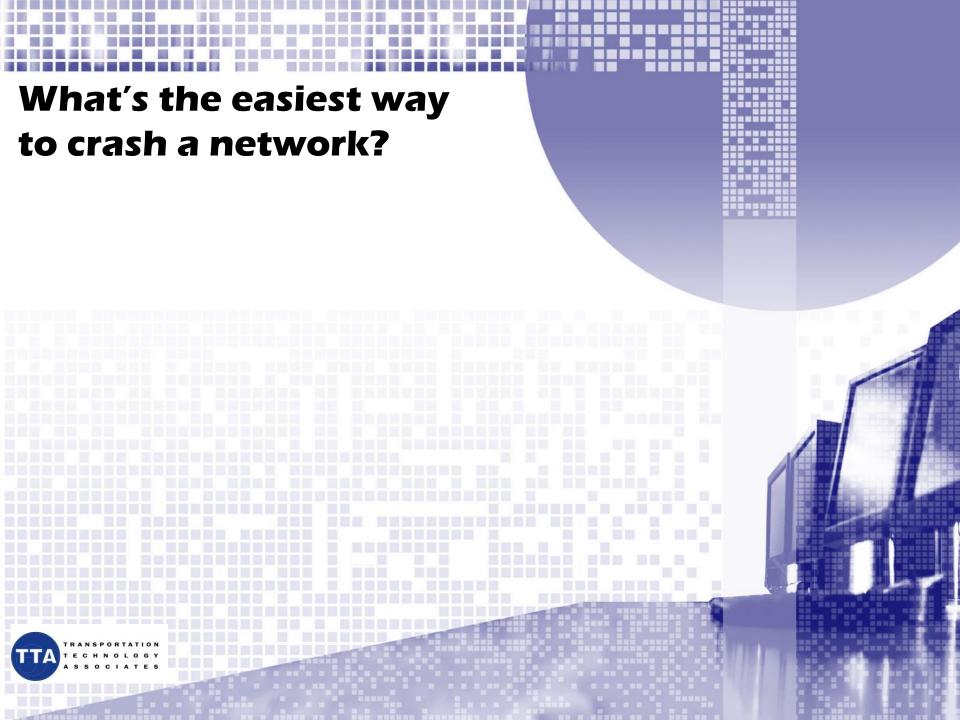


Physical: Transmission and reception of raw bit streams over a physical medium.

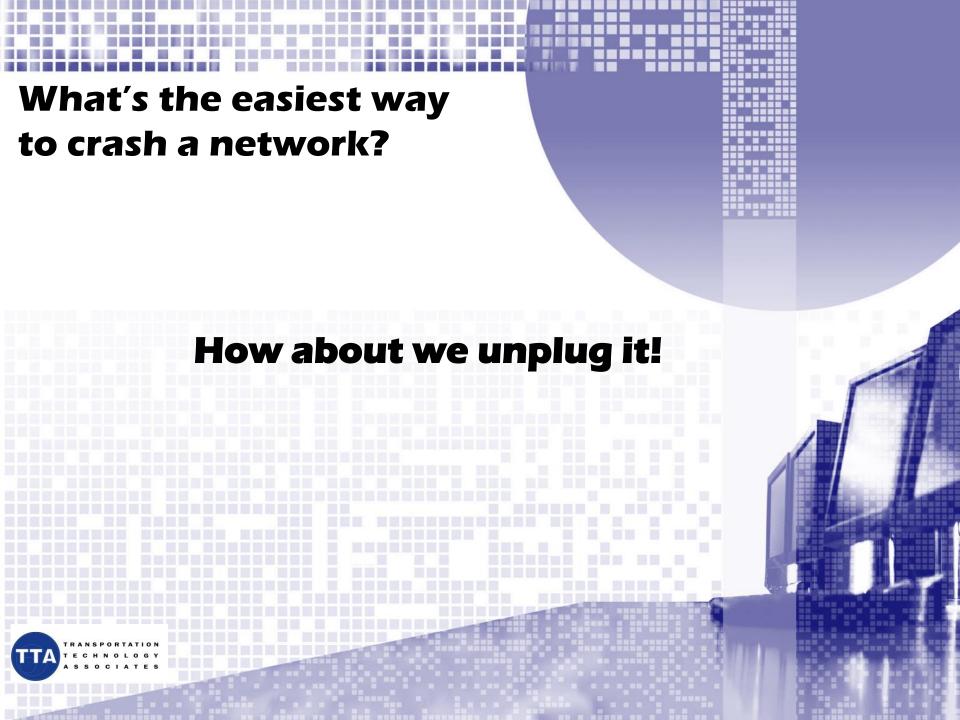
At the base of all communications systems something needs to connect A to B.

AKA the Wire:











Hardening your Physical Network

- Data Communications Facilities
- Redundancy
- Cabling Infrastructure
- Network Equipment
- Devices and Connections





Communications Spaces

Data Communications Facilities:
Data Center, MDF / IDF, Communications
Closets

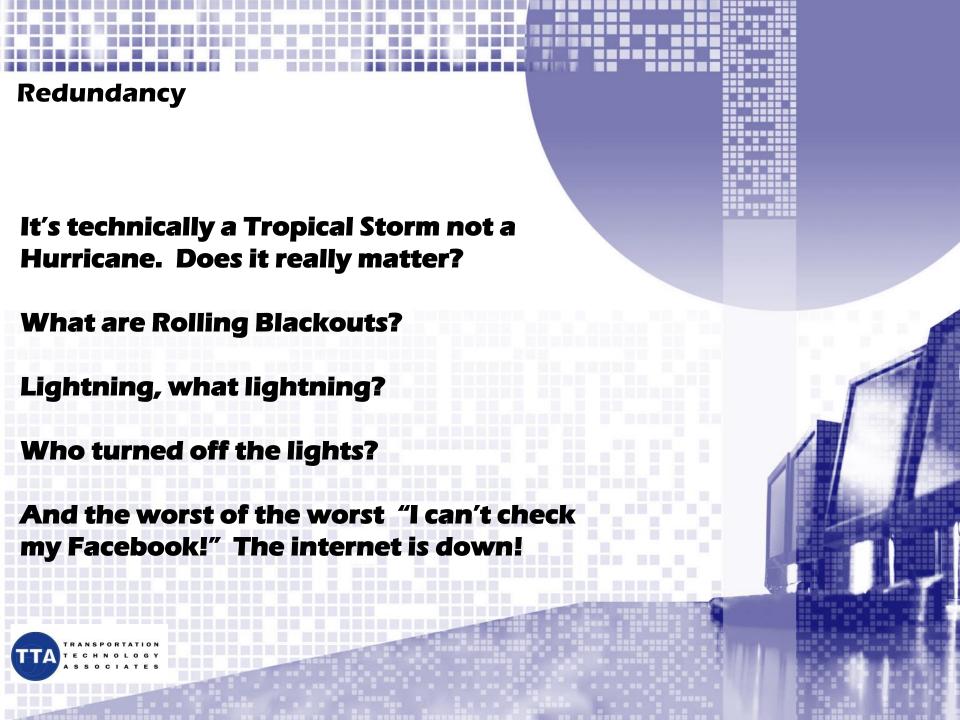
Lock the door, and make sure you know who has the key! (Better yet, don't use a key.)

Implement Electronic Access Control on all access point to critical infrastructure. (audit who, when, and where.)

Implement Video Surveillance in communications nodes.
(I see you ©)

The Insider will always be your Biggest Threat.





Redundancy

Power will go out, make sure your network doesn't.

Provide appropriate UPS, Surge Protection, and Generator Power to your network and equipment.

If you live in the "Cloud" or have remote resources via the internet, your only as good as your provider, consider having a back-up plan.



