



[Operational Security in a Weaponized World]

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whoami

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Not enough time here to explain.
Find me after this talk.

Twitter: @Insider_Agency

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Hashtags: #SocialEngineeringTips #SocialOperator
#LearnSocialEngineering #HackerHired #HackHunger

— Social Engineering

- More than simple lying or coercion
- Obtaining what is needed by any means
- Verbal & Non-Verbal methods
- Everyone born with it
- 100% effective attack vector
- Easy



Red vs Blue

Civilian security testing defensive posture through live assessments.

Red teams = adversary

Blue teams = defensive



— Security Assessments

Why?

To verify the integrity of perimeter defenses without scope restrictions.

It is easier to understand how to look for opportunities and to take advantage of them, rather than train someone to think like a criminal.

Criminals are only people who take advantage of opportunities that society does not yet recognize as safe or beneficial.

Origin Story

- Infragard sponsored event
- Red vs Blue
- Work within restrictions
- Think within the box
- Use the box

WANTED FBI INFRAGARD

HACKER KANSAS CITY AREA

The Kansas City InfraGard is hosting a two day cyber event pitting systems/security professionals against each other in a live cyber battle on a simulated commercial network. Systems administrators will be responsible for managing and protecting a "commercial" network from a live cyber attack, something that they may not see on their own networks. Since the exercise network is hosted on a private managed network that is not on the Internet, production data and systems are not at any risk. Not only will participants get a chance to test their knowledge and preparedness for securing an operational environment while under a real attack, they will also get the opportunity to see



how other teams handled similar circumstances. This provides real world data and a solid understanding of best practices that can be implemented in their own organizations. At the end of the exercise participants will know the strengths and weaknesses of their people, processes, policies and technology.

This valuable exercise provides an outreach and education opportunity for our community to take home a greater understanding on how they should be protecting their own networks.

This exercise is also an unique opportunity to build the relationships with law enforcement should participants ever need to respond to and report cybercrime.

The protection team (Blue) is full, we are looking for people to fill the penetration (Red) team.

Who Should Attend

- Penetration testers
- Ethical hackers
- Security personnel whose job involves assessing target networks and systems to find security vulnerabilities

WANTED FOR:

- Network sweeps, OS and app fingerprinting, and vulnerability scans
- Server-side, client-side, and local exploitation
- Installing and activating VNC, RDP, sshd, and telnet services
- Password and Pass-the-hash attacks
- Web application compromise through SQL Injection
- XSRF, XSS, session cloning, and command injection
- Finding unsecured access points and peer-to-peer systems

How to Attend

Sign up for the RED team at
<http://cyber-raid.com>



CyberRAID-0

September 16-17th

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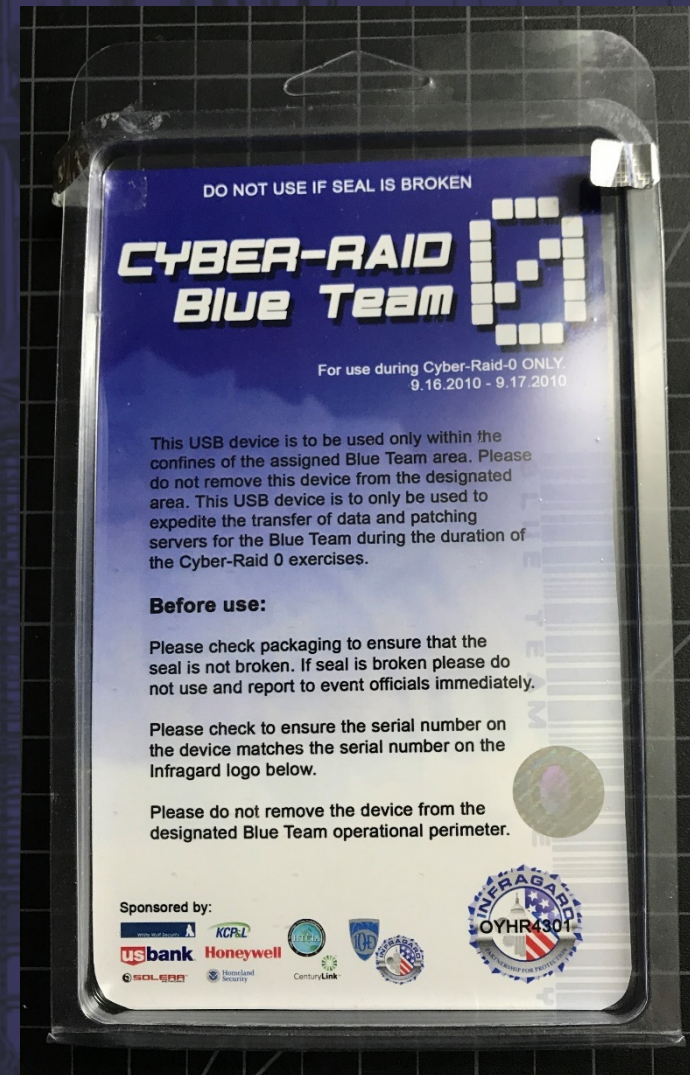
— Violating Trust Models

What and who do you trust?

We all trust the packaging and supply chains of products. These can be used against us and should be constantly evaluated.



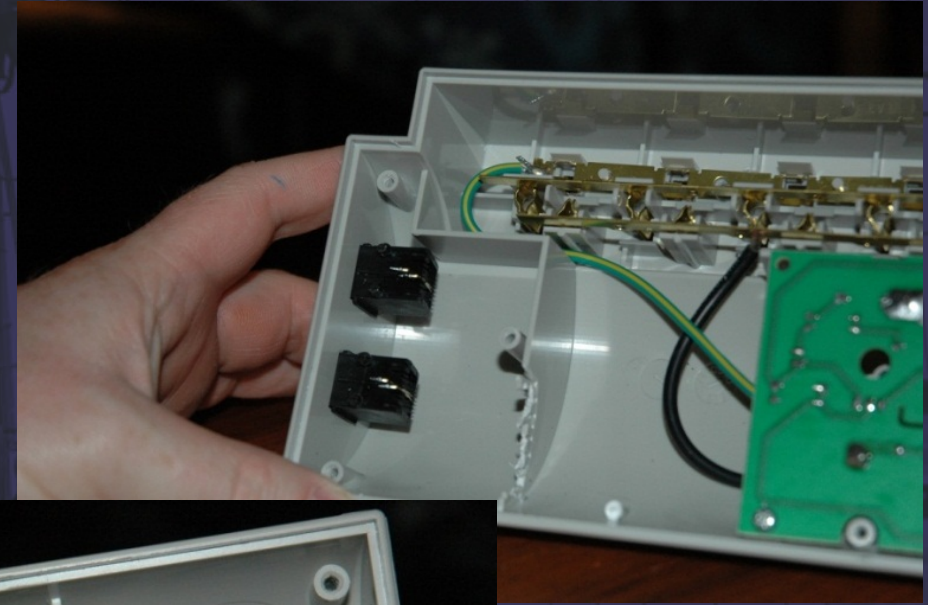
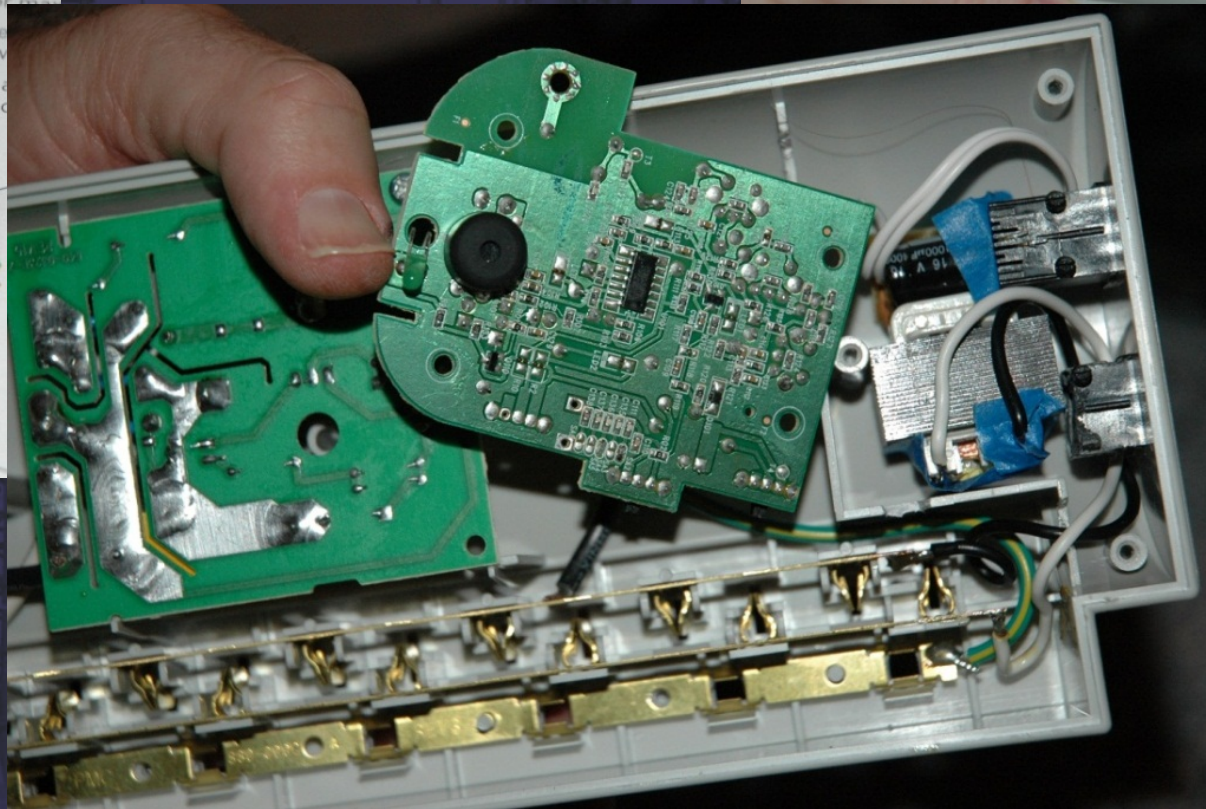
— Packaging Deception



— Surveillance Math



— Unused Space



— Final Product



— Dead Space

Consumer products on average are composed of

30% unused space.

- Independent research spanning from 2008 - 2017

— Under Your Desk



— To the Point?



— Point of Sale (POS)



— Point of Sale (POS)



— POS Implant



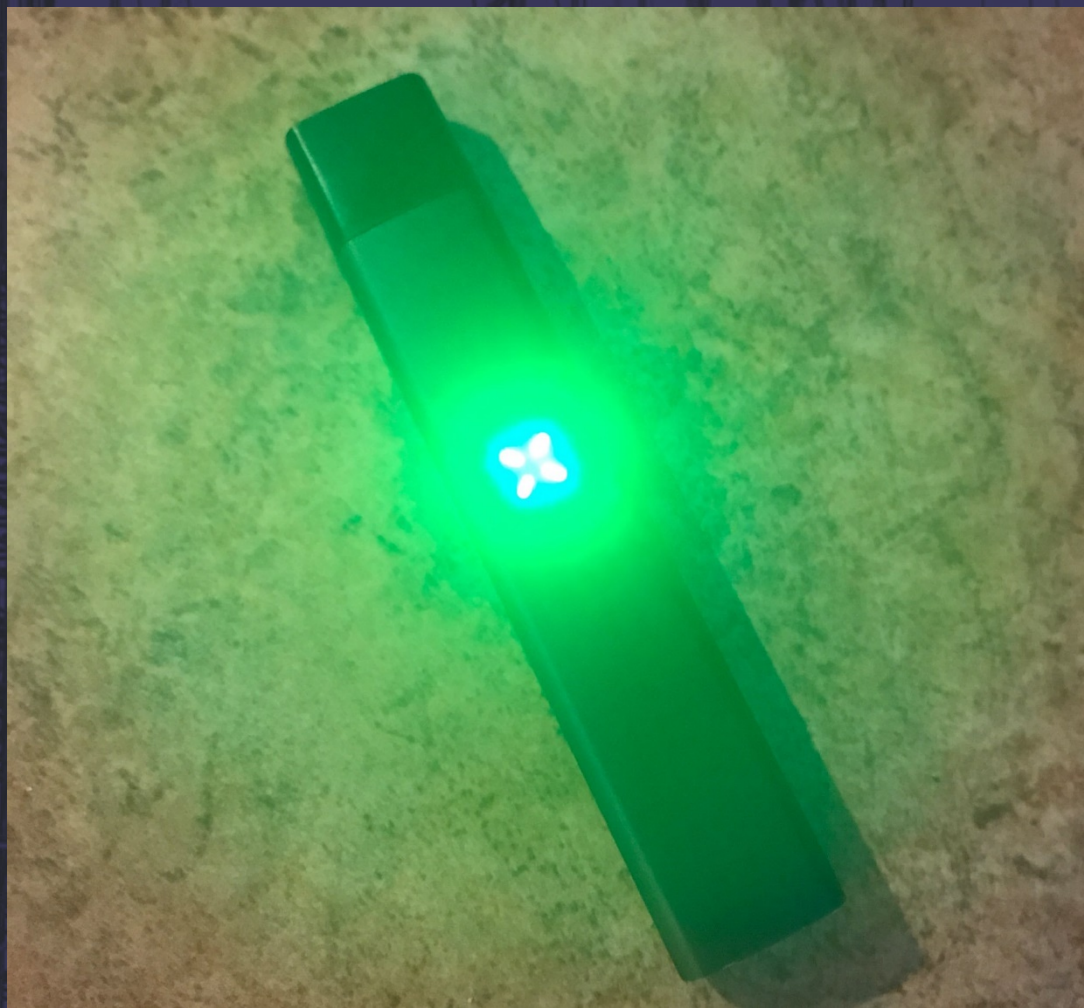
— No Smoking = No Social Engineering?



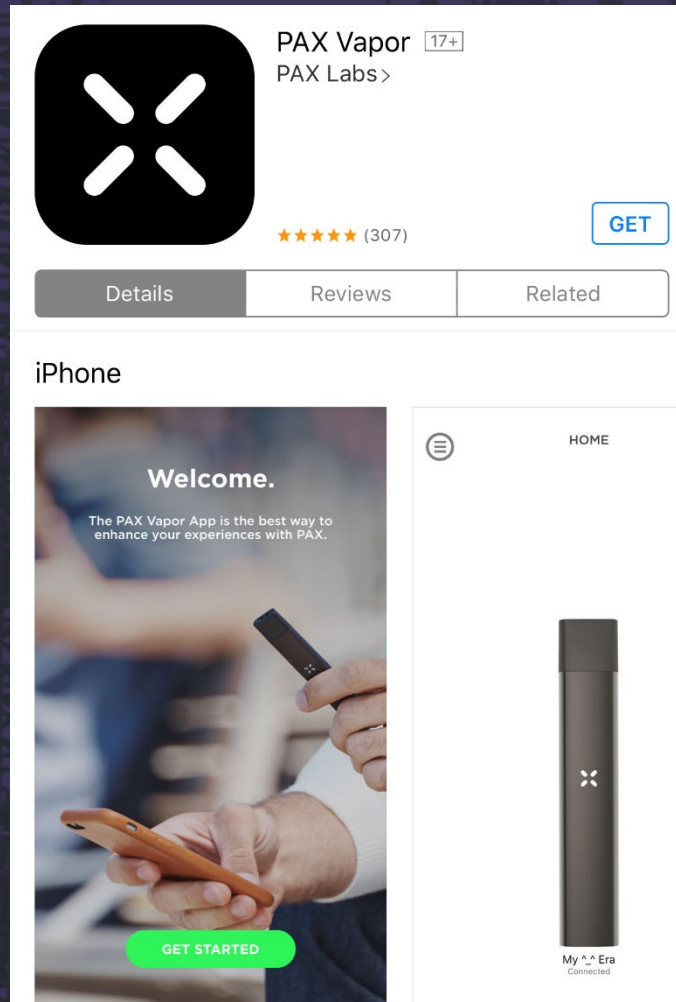
— Vaporizer Shells



— Size Limitations?



— No Problem



— USB?



— It's Always a Trap



— Conference Swag



— USB for the Record



— Wall Outlets



— Cell Charging Stations



— Solution or Threat?



— iPhishing

Send an iTunes Gift

Gift redeemable in United States store only.

To:

Separate each email address with a comma.

Sender:

Totes Legit Brah!!!

Message (optional)

Thank you for your input on our survey! This is totally not a phish - <http://bit.ly/2pDt6dG>

109 characters remaining.

From: .com

[Learn More About Gifting >](#)

Cancel Next

Select a Theme

iTunes (White)

iTunes (Multi)

Mother's Day

Spring


Birthday (Blue)

Birthday (Pink)

Celebration (Purple)

Thank You

iTunes (Teal)



Click Click Boom
Saliva — Every Six Seconds



Thank you for your input on our survey! This is totally not a phish - <http://bit.ly/2pDt6dG>

From: .com

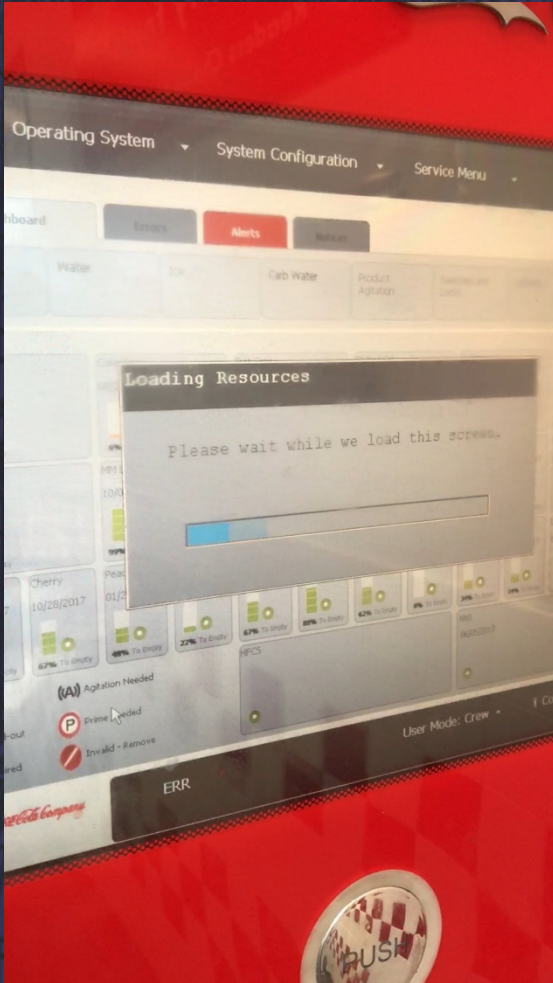
Back Cancel Next

— DropBox?

The screenshot shows a web browser window with the title 'VPN Setup - Dropbox'. The address bar displays 'Dropbox, Inc (US) | https://www.dropbox.com/home/VPN Setup'. The left sidebar shows the Dropbox navigation menu with 'Files' selected. The main content area shows the 'VPN Setup' folder with a table of files.

Name ↑	Modified ▼	Members ▼
 vpnsetup.exe	9/5/2019 6:05 pm	40 members
 vpnsetup32.exe	9/5/2019 6:05 pm	40 members

— What's in Your Breakroom?



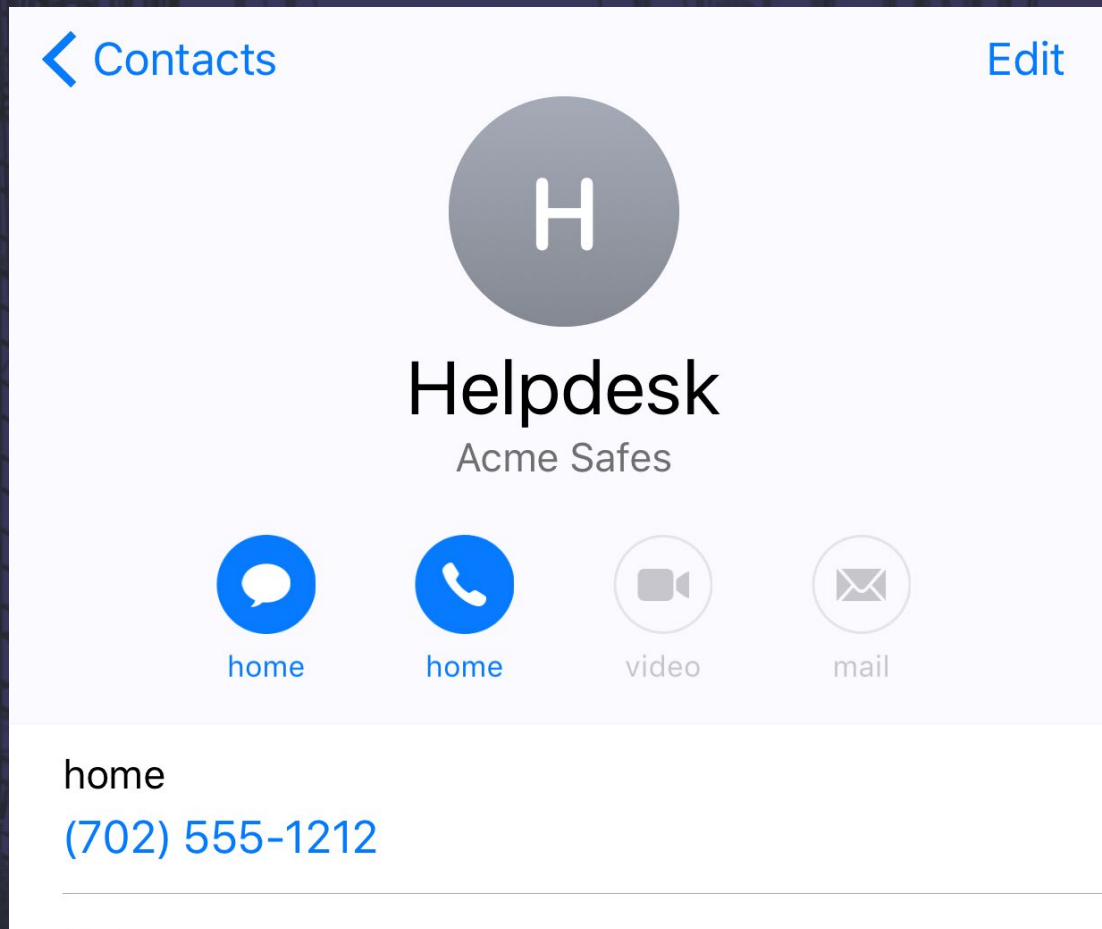


Demo Time

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RFID and NFC can be integrated into business cards, stickers and much more.
Do you have policies and guidance for your employees?

— Attack Vector



— Safe for Now

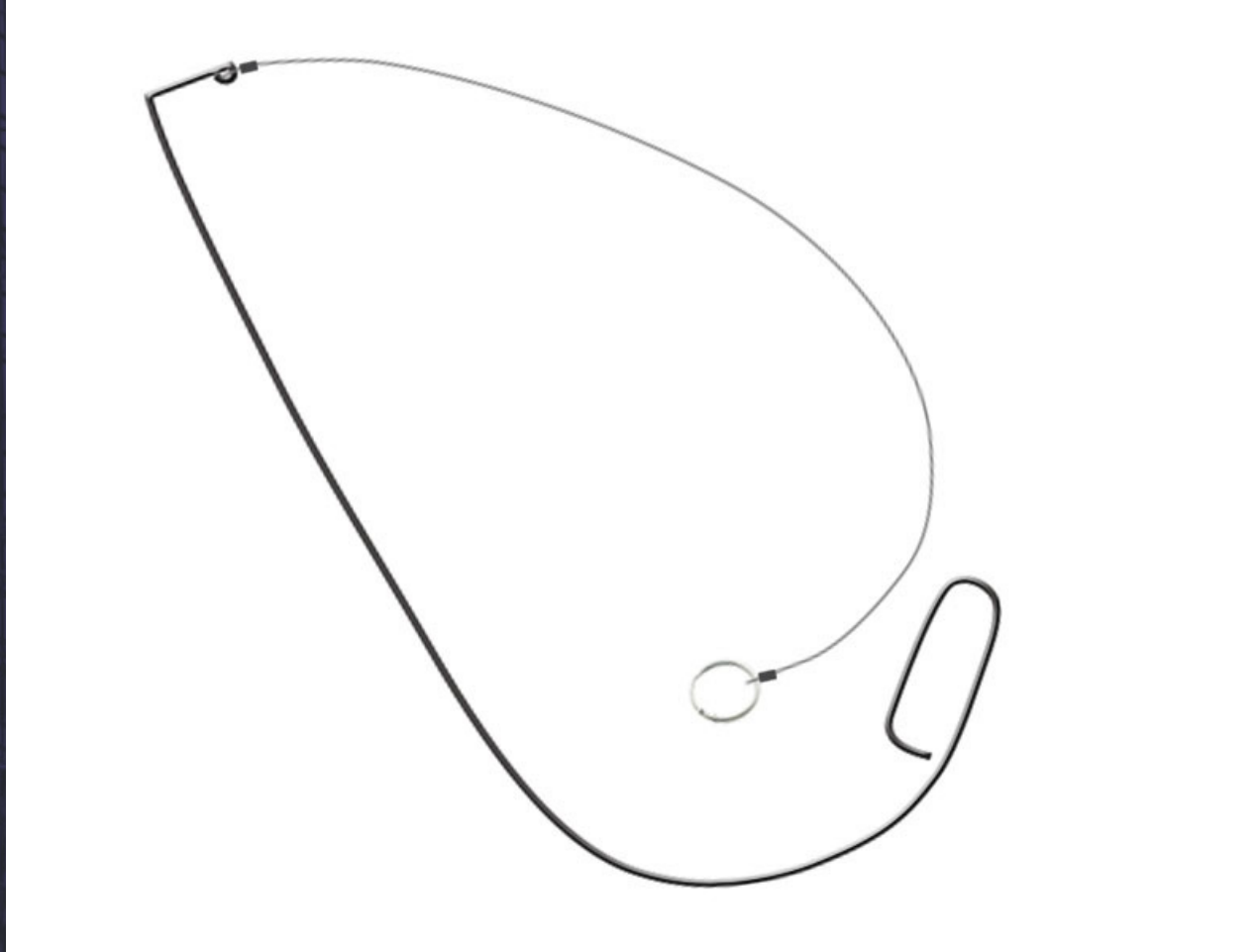


— Where to Start

- **Create policies governing:**
 - **Non-company assets**
 - **Conference attendance**
 - **Inventory**
 - **Importation of devices**
- **Educate employees**
- **Conduct regular sweeps**
- **Sweep for Radio Frequencies (RF)**

**EDUCATE EDUCATE EDUCATE
YOUR EMPLOYEES!!!**

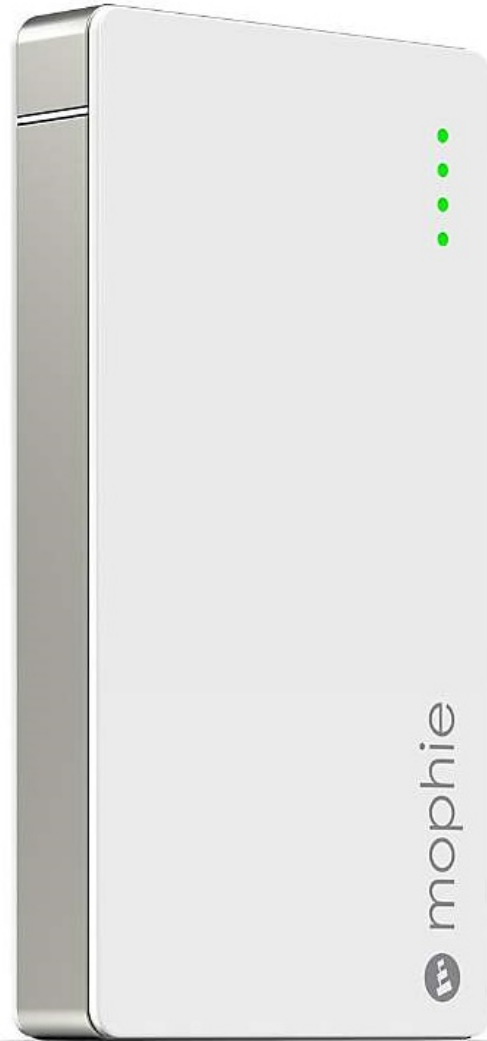
— Physical Security



— Travel Safety



— Clean Power




— RFID Badges



— Shielding





Thank You for your attention & consideration

Questions?

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