Cyber Security Overview

CITY OF GRESHAM - INFORMATION TECHNOLOGY



The Question...

How prepared are we to protect the city's digital resources against cyberattacks?

City Technology Deployment

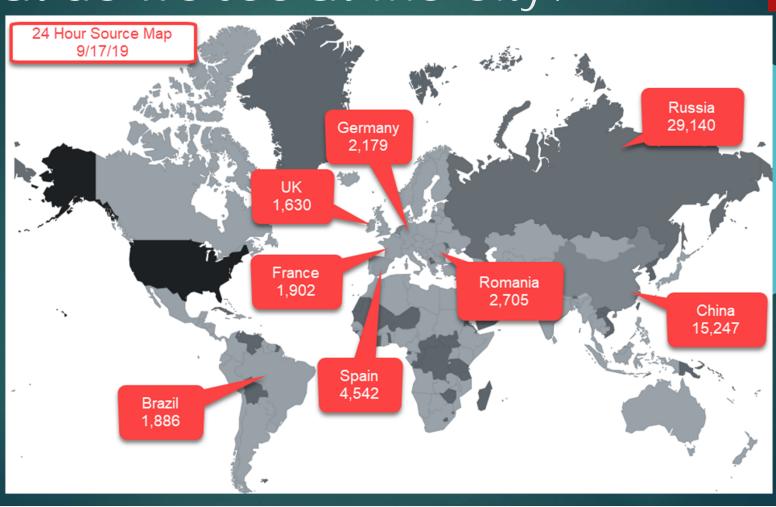


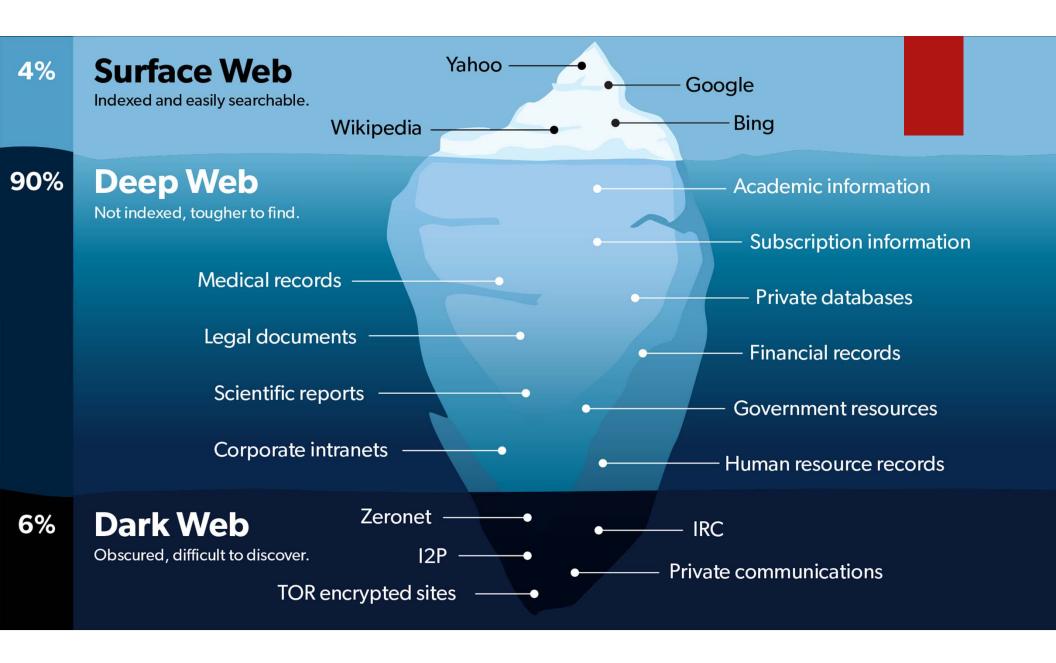
- ▶ 650 (+/-) Users
- ▶ 900 Computers
- ▶ 106 Servers
- Modern Mitel Phone System
- ▶ 500 + Mobile Phones & Tablets
- ▶ 50K Emails per Week
- ▶ 56 Terabytes of Data
- ▶ 180% Increase in Remote Work
- ▶ 160 M Tracked Events per Month

CYBER THREAT ACTOR MOTIVATION GEOPOLITICAL NATION-STATES CYBERCRIMINALS PROFIT HACKTIVISTS IDEOLOGICAL TERRORIST GROUPS **IDEOLOGICAL VIOLENCE** THRILL-SEEKERS **SATISFACTION INSIDER THREATS** DISCONTENT

What Kinds of Threats are out There?

What do we see at The City?





What's Information Worth?

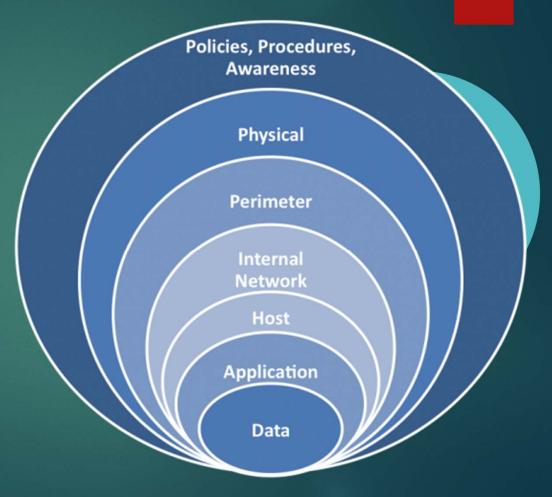


Defense In Depth

Cybersecurity is like an onion. It has many layers, it's stinky and it makes people cry...

- User Awareness & Action Plans
- Locked doors and badges
- Public Internet Firewall
- Spam and Malware Filtering
- Antivirus and Antimalware
- ► Single Sign On & MFA
- ▶ Backups and Encryption

...and Cybersecurity Insurance



Guiding Principle

No plan, no matter how sophisticated, ever survives first contact with the enemy.

~Helmuth Karl Bernhard Graf von Moltke (The Elder - 1865)



Future Features for our Fleet

- ► Phishing Education (#1)
- Continuing User Awareness Training
- Remote security management tools
- Encrypted Laptops
- Equipment Replacement
- Multi Factor Authentication
- Automation and Al
- Penetration Testing



A&O

