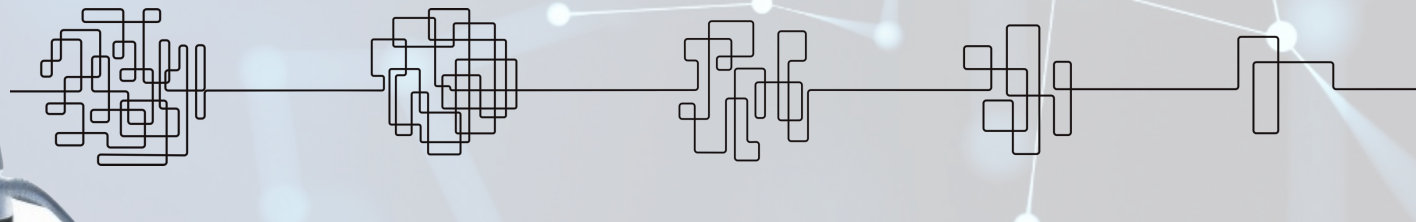**Cyber Security**

The Future Era of Urban Cyber Defense

…..risks and frameworks.

Awareness to Shaping the Future

Present Thinking

The new Big Picture Risk

Designing a Winning Strategy

Present Thinking!

Education

Lack of Awareness

Phishing Simulations

Training update lags

Insider Threats

Social

Social Engineering

Phishing

Baiting

Reputation Damage

Technology

Outdated Systems

IoT Vulnerabilities

Lack of Encryption

Misconfigurations

Ransomware

Big Picture _Risk_ for City Leaders

We are in a new defensive posture with AI arriving.

Over-reliance future on AI Tools might carry big consequences.

New Cyber Security tools are impacting the digital budget.

Cyber criminals are using AI to launch more sophisticated attacks. Some of these will use deepfaking audio and video to get access to client files

Velocity mis-match between city leaders and cyber criminals is widening.

FPO

Velocity mismatch

Cities, towns, and municipalities run at a much different pace than a cyber-criminal.

- Budget cycles are different

- Local governments don't like to be first on board.

- Overwhelmed with information

- Don't want to invest in emerging technologies when there are bridges, roads, buildings needing repairs.

- Voters vote once a year.

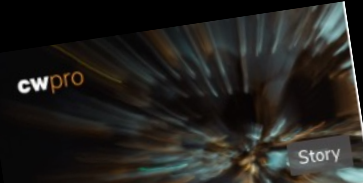- Generally there is not a level of buy-in from the voters.

DARK SIDE THREATS

cwpro — Story
CW Oct 25, 2023

Ransomware's effect on healthcare downtime.

Healthcare organizations have been and remain attractive targets for cybercriminals. A Comparitech study...

cwpro
CW Oct 30, 2023

LockBit claims a cyberattack against Boeing.

A criminal organization tolerated and enabled by the Russian government claims to have extracted sensitive data...

cwpro — Story
CW Oct 27, 2023

Octo Tempest: a gang with a international reach.

English-speaking, and willing to violent threats against its prospec

cwpro
CW Oct 24, 2023

University disclos

cwpro
V5 | Issue 115 | 6.15.23

MOVEit bug impacts state governments. Johns Hopkins suffers data breach.

Microsoft: Octo Tempest is one of the most dangerous financial hacking groups

By **Ionut Ilascu**
October 26, 2023   06:55 PM   0

A creepy new geolocation payload for Smoke Loader. Speed of criminal attack, malware delivery, and the evolution of malicious AI. Ransomware at a Belgian social services agency.
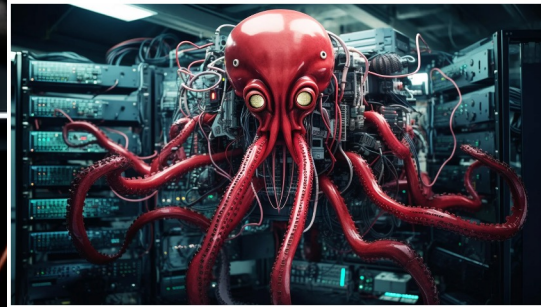Ep 1891 | 8.23.23

FPO v

Social Engineering

⊕ **Business Email Compromise**

⊕ **Persuasion tra**

⊕ **Deepfakes**

The most dange
into our comput
minds.
- ChatGPT & Matthe

FPO

Cybersec...

- 🎭 **AI model poisoning**
- 🎭 **Deepfakes**
- 🎭 **Malware**
- 🎭 **Bypass CAPTCHA**
- 🎭 **End-point exploitation**

Auto Solve
Google reCAPTCHA

✓ I'm not a robot

reCAPTCHA
Privacy - Terms

HOW TO

How To Bypass Google Recapture

By worm • July 27, 2023

Amidst this digital revolution, certain security measures have been put in place to safeguard the online ecosystem. One such measure is CAPTCHA (Completely Automated Public Turing test to tell Computers and Humans Apart), which has been adopted by websites and online services to prevent automated bots from engaging in malicious activities. While CAPTCHA serves its...

READ MORE →

AUTO-GPT ATTACKS

Can integrate many attack vectors (phishing deepfake, malware) into a coordinated strategy

Attacks can unfold over days, weeks, or months and be extremely difficult to detect

Can automatically update strategy and adapt to unexpected obstacles or new information

FPO

Designing a Winning Cyber Security Strategy

ENHANCING YOUR DEFENSES

Adopt the CISO mind-map

AI powered threat prevention across attack vectors

Eliminate email from business processes

Aggressive process automation strategy

Embedding fraud / anomaly detection AI into processes

In the digital arms race, our best defense is not just better technology, but better awareness - ChatGPT

FPO

- Security Operations
- Risk Management
- Legal and Regulatory
- Business Enablement
- Security Culture
- Identity Management
- Governance
- Leadership Skills

Big Picture Cybersecurity Directional Strategy

Departmental Ownership

Technology Ownership

Data Activation

Governance

Risk Management & Frameworks

Security Cultural

Privacy and Compliance

Legal and Regulatory

Leadership Skills

The collaborative synergy between the various departments leadership and the technology group is crucial.

Detection

Prevention

Application Security

Network Security

Governance

Identity & Access Management

Security Operations

FPOv

Cybersecurity Risk & Threat Matrix

S Security Operations

R Risk Management

L Legal & Regulatory

B Business Enablement

C Security Culture

I Identity Management

G Governance

H Leadership Skills

Storm Warning Zone

High Risk

Critical Alert Zone

Plot Zone

Low Threat

High Threat

Safety Zone

Low Risk

Watch Zone

AUDIENCE QUESTION

Share 6 reasons why you would want to add AI skills requirements to job descriptions?

FPO

Questions?

FPOV