



Trulight LLC  
Consulting

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# Cyber Security Port



2022

# Cyber Security: Threats and Prevention

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# Cyber Security: Threats and Prevention



What is this?



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# Cyber Security: Threats and Prevention



What is this?

# Cyber Security: Threats and Prevention

- All systems have vulnerabilities
- All systems have risks



# Cyber Security: Threats and Prevention

- Thrill Seekers
- Criminal Organizations
- Nation State Sponsored

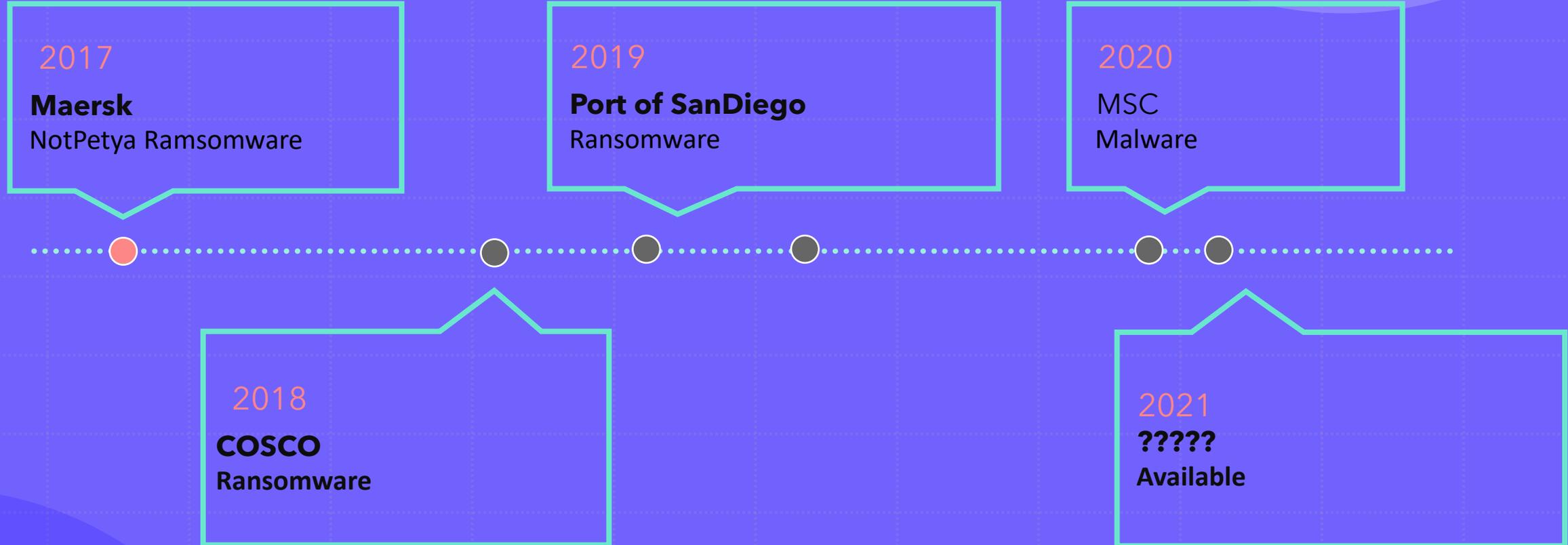
# Cyber Security: Threats and Prevention

- ▶ Ransomware -- \$5 Billion in 2017
- ▶ Global Cyber Crime \$6 Trillion in 2021



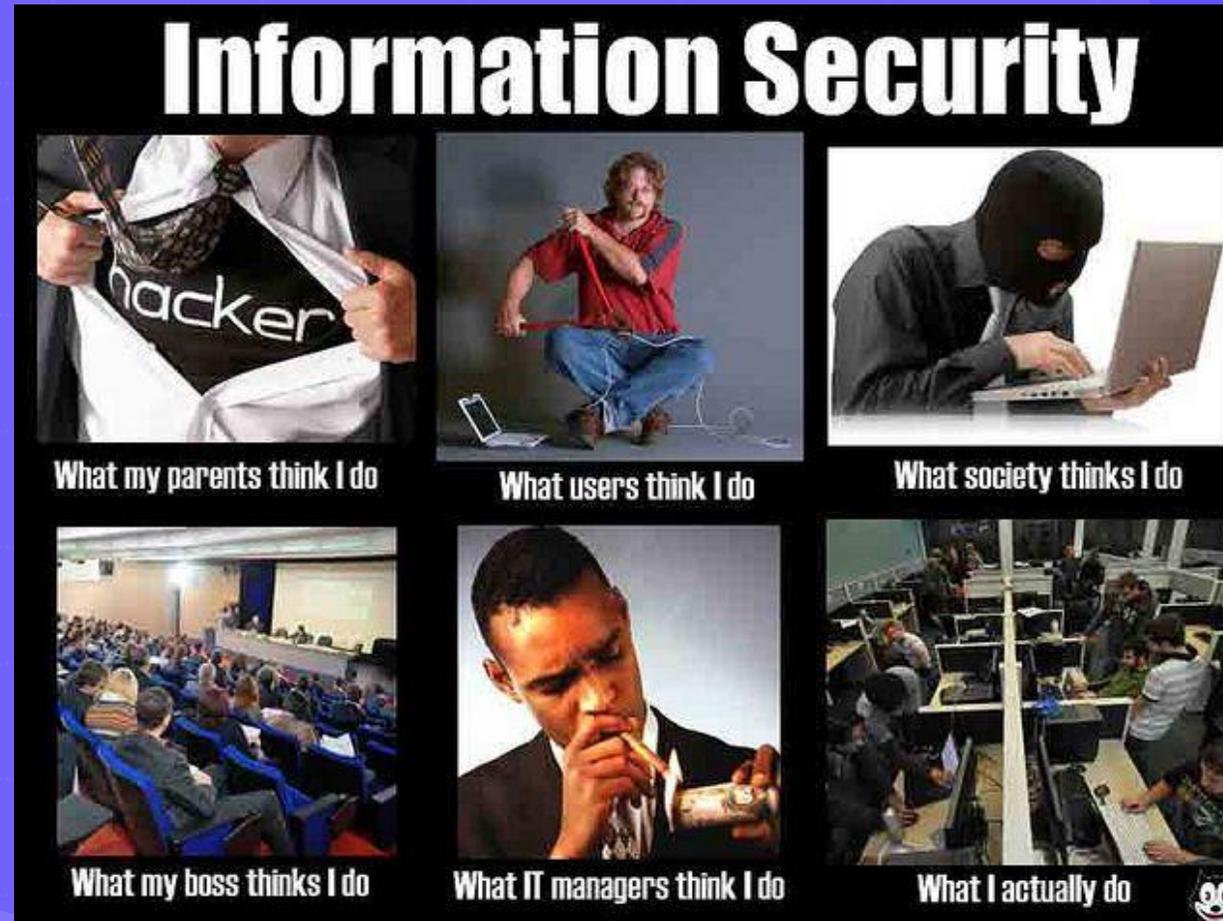
With 90% of the World's trade economy carried out by sea traffic, Ports remain a prime target

# Maritime Cyber Attacks increase 900% in 3 years



# Cyber Security: Threats and Prevention

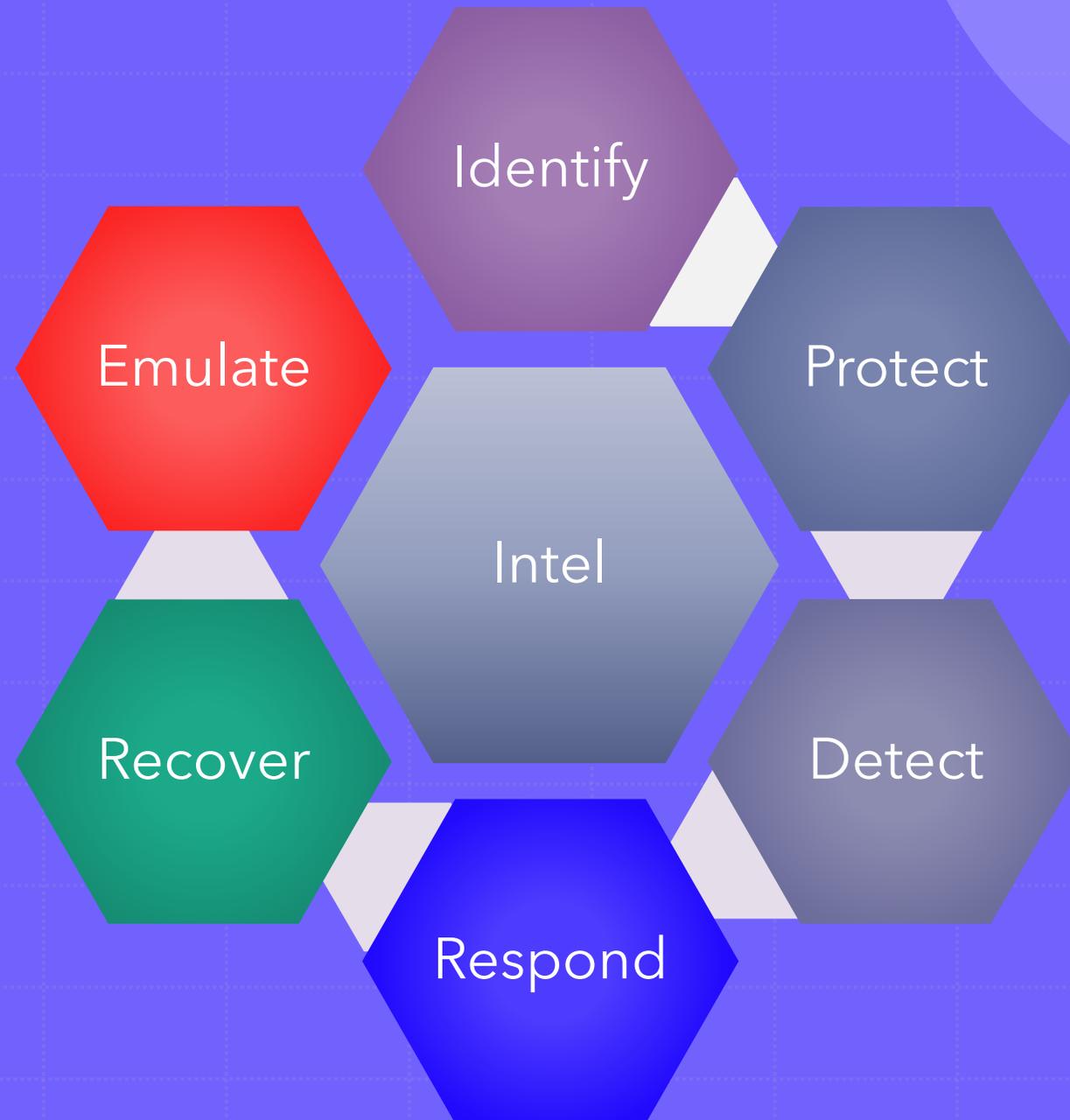
- ▶ Prevent
- ▶ Detect
- ▶ Eradicate



# Vulnerability Assessment Penetration Testing



If you don't; someone will do it for you



# Tactics, Techniques and Procedures

Phishing

Recon

External Probing

Zero Day

# Common Threat Surfaces

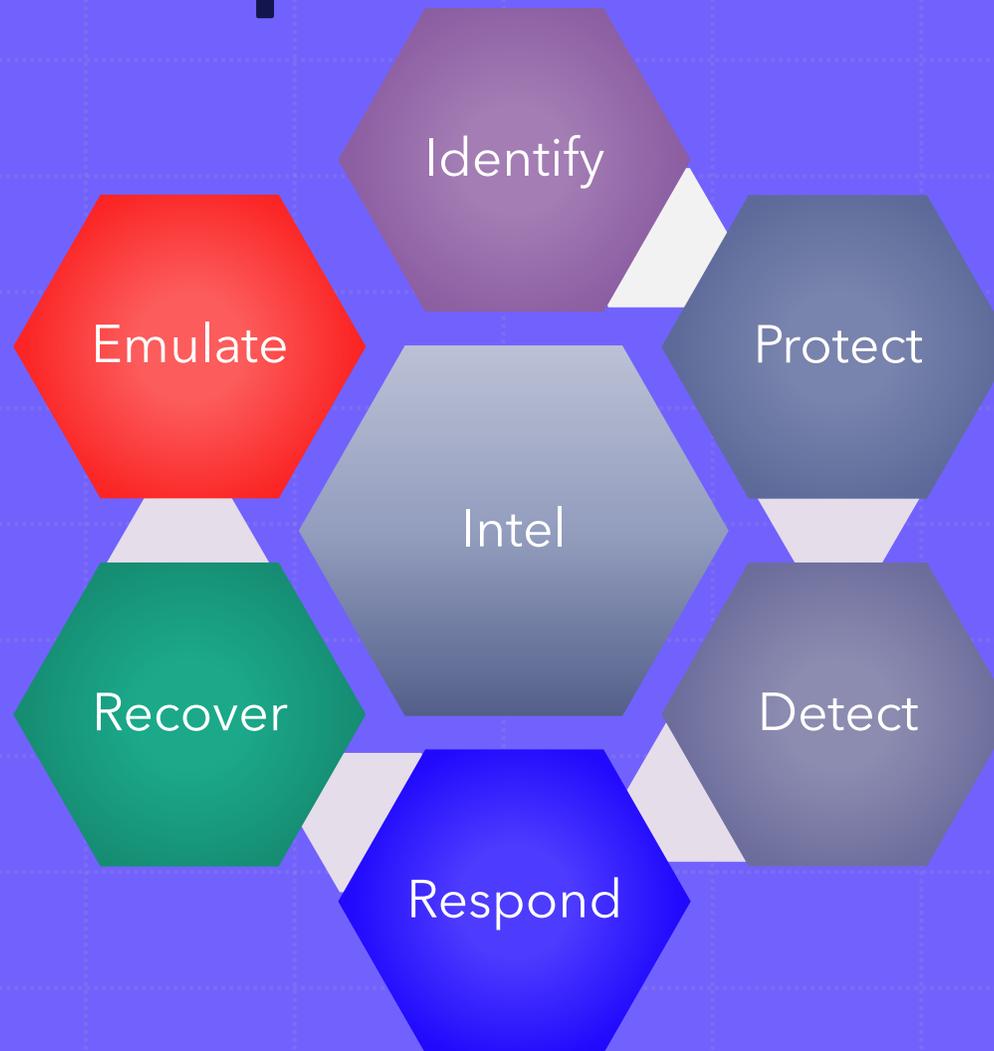
Employees  
Cloud Service  
Employee portal  
Web App  
Insider Threat



# Ransomware Defense and the Circle of Cyber Operations

## Practice How You Play

- Practice How You Play
- Emulate in labs with your enterprise tools



## Reduce Attack Surface

- External RDP
- Client to Client Traffic

## Reduce Attack Surface

- Identify Unique IOCs
- Review Logs and C2

## Reduce Attack Surface

- File Access and Write I/O
- External Connections



# Cyber Security Recommendations

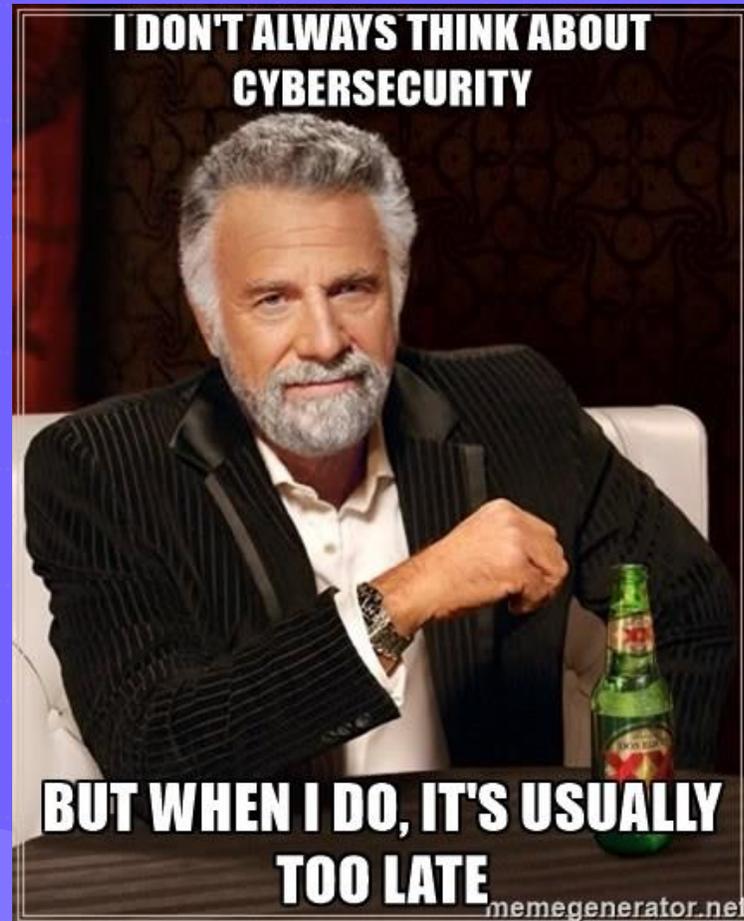
MFA

Cyber Hygiene

- Remove unused accounts

- User Training

Penetration Testing/Vulnerability Assessment



# Who to follow

Twitter:

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