# Cybercrime
# KMU im Visier von Datendieben?

Live Hacking Demo

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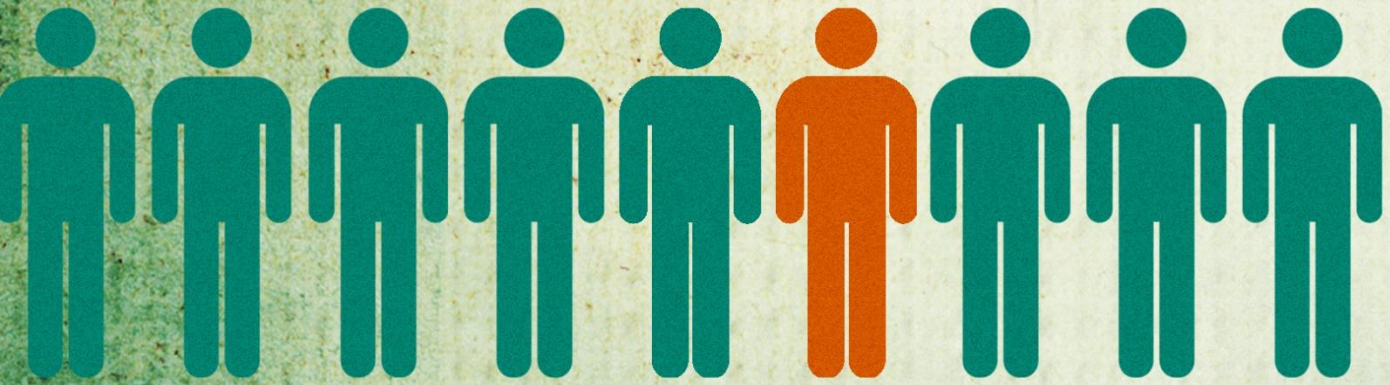
Hobby

ETH

Study

Work

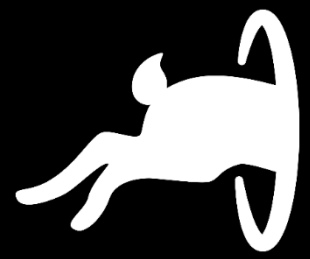


blackhat®

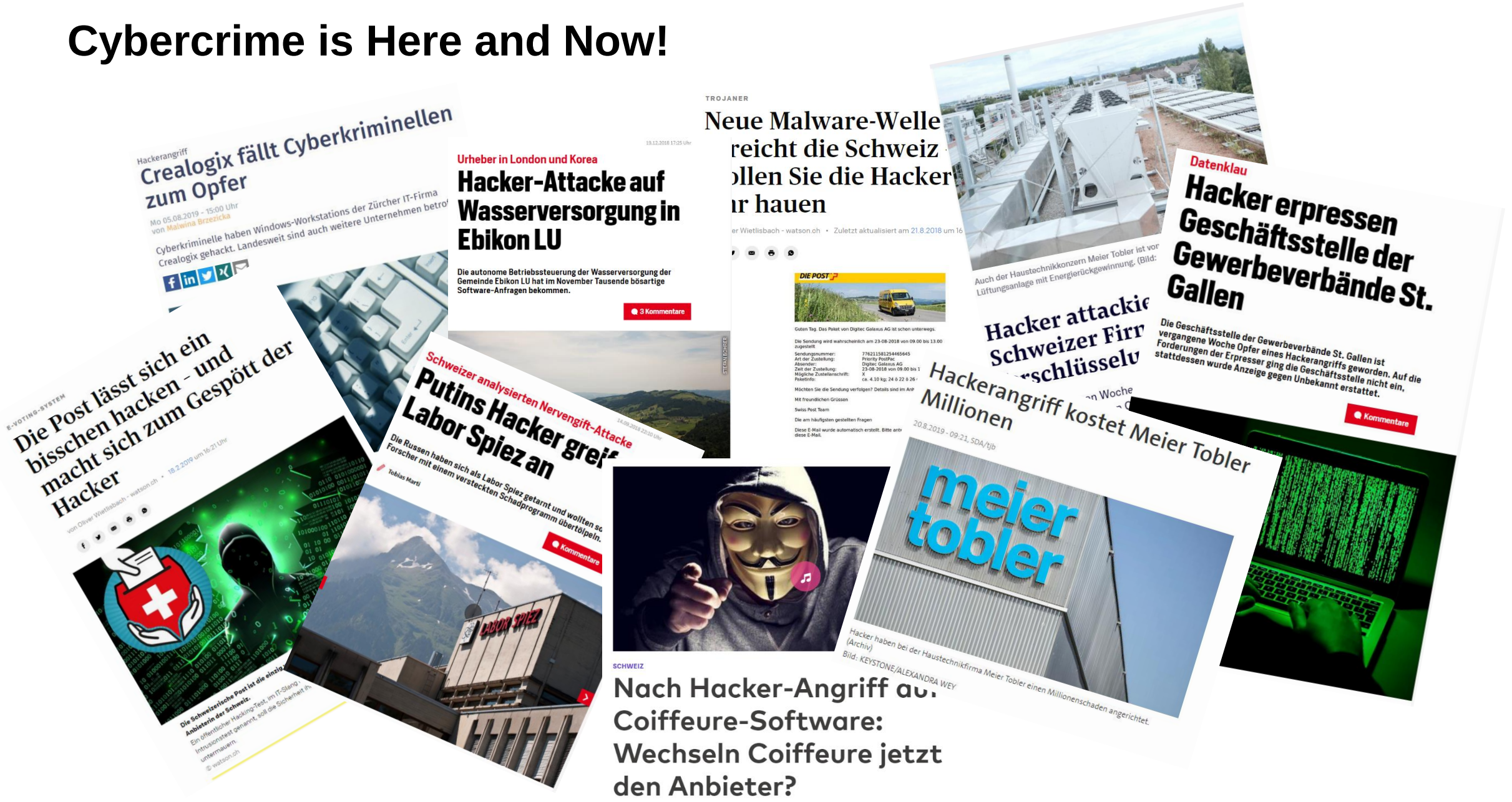
Passion

WHOAMI

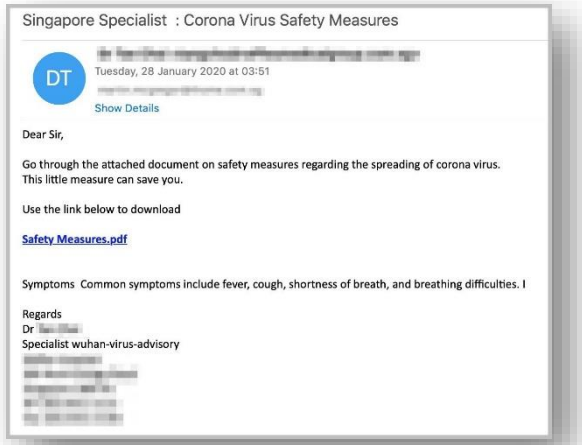
# FOLLOW THE WHITE RABBIT

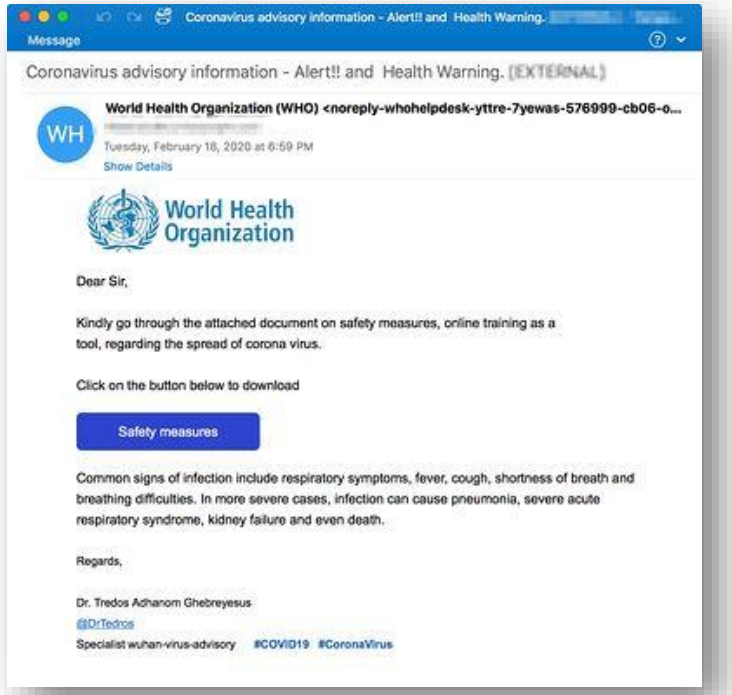


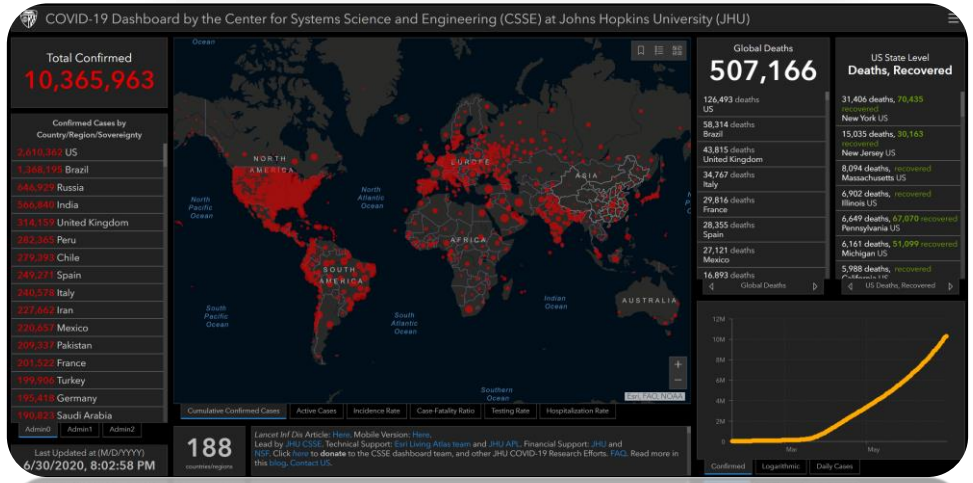
# Cybercrime is Here and Now!

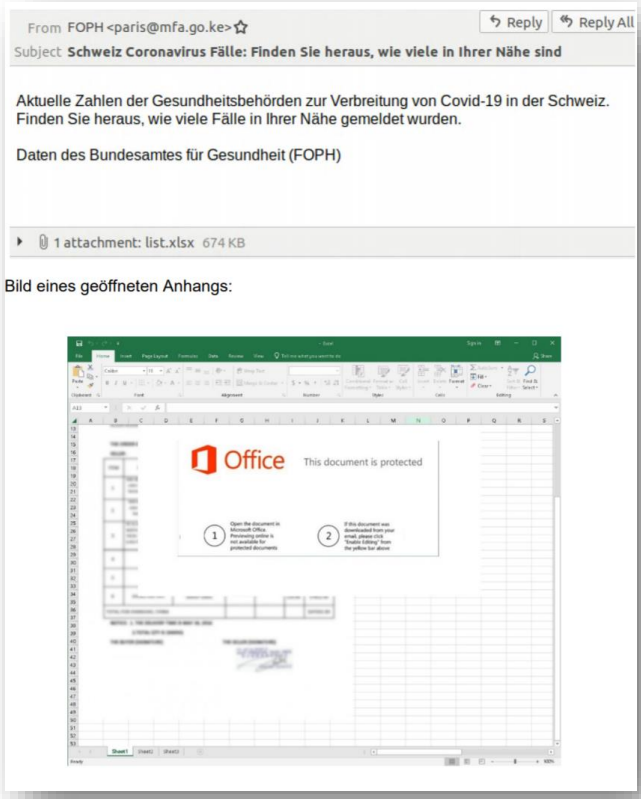


# Phishing Now!



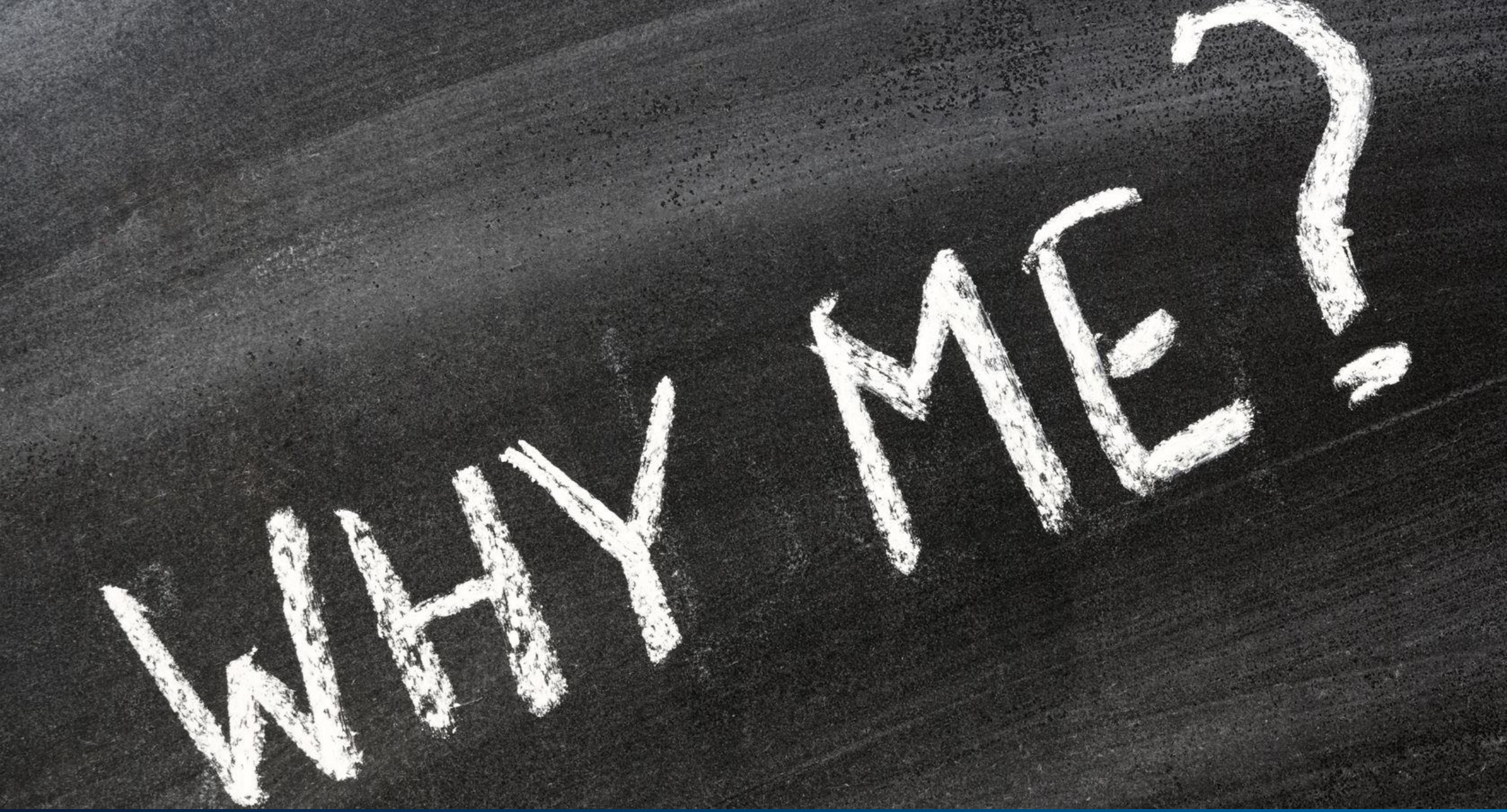



PROFIT

HACKERS

# $ 445’000’000’000


WHY ME?

# Why Attack Me?

Untargeted, Mass Attacks

- Random targets
- Weakest victims (e.g. simple passwords)
- E.g. spam, phishing, etc
- Unpatched systems

Targeted Attacks

- Efficient
- Usually combined with social engineering
- High success rate

Intermediate Targets

- In the Cross Fire of the attacker and his primary target

# Cybercrime Organization

# Cybercrime Supply Chain

**Organization Leaders**

Manage the team and define the goals/targets

**Coders**

Program the malwares

**Hackers**

Look for and exploit vulnerabilities in programs and networks

**Money Mules**

Transfer the money using electronic and/or physical channel

**Distributors**

Buy and sell stolen data

**Fraudsters**

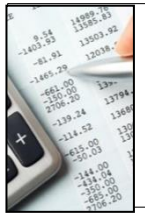
Target potential victims with social engineering techniques like phishing

**Tellers**

Wash the illegal incomes through transfer to digital financial services

**Tech Experts**

Monitor, repair and grow the infrastructure of the criminal enterprise

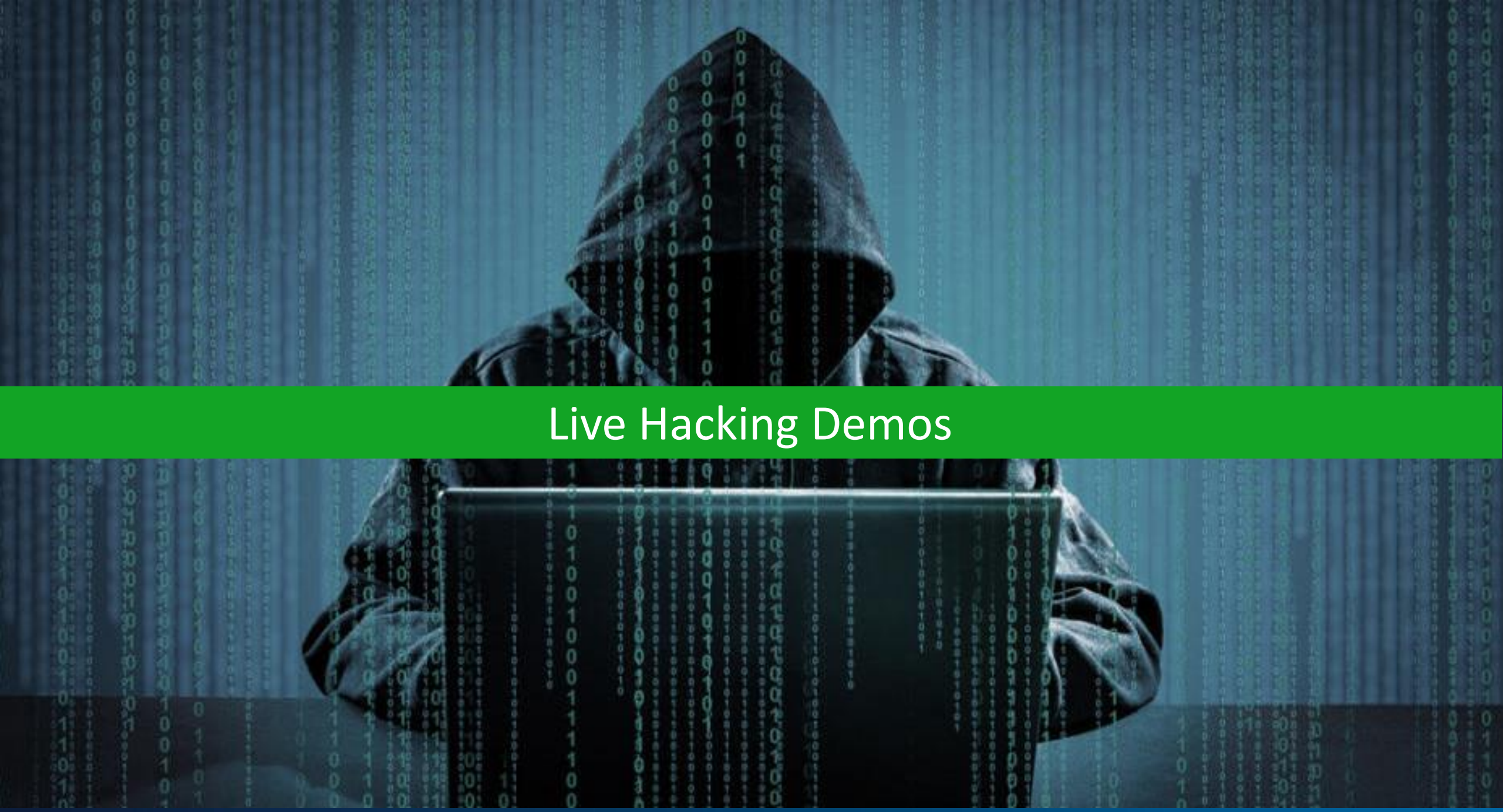


**Cashiers**

Control the hacked accounts and deliver credentials to other criminals against payment

**Hosted System Providers**

Host illegal servers



# Live Hacking Demos

# Social Engineering

# “Lost” USB Stick

# Countermeasure

# Prevention for enterprises

- Raise awareness about security and computer threats in the enterprise
- Teach collaborators through an internal security course
- Establish clear guidelines for social medias
- Encrypt sensitive data
- Keep the protection systems for hard- and software up to date
- Enforce good practices for passwords
- Backup your data

# Prevention for individuals

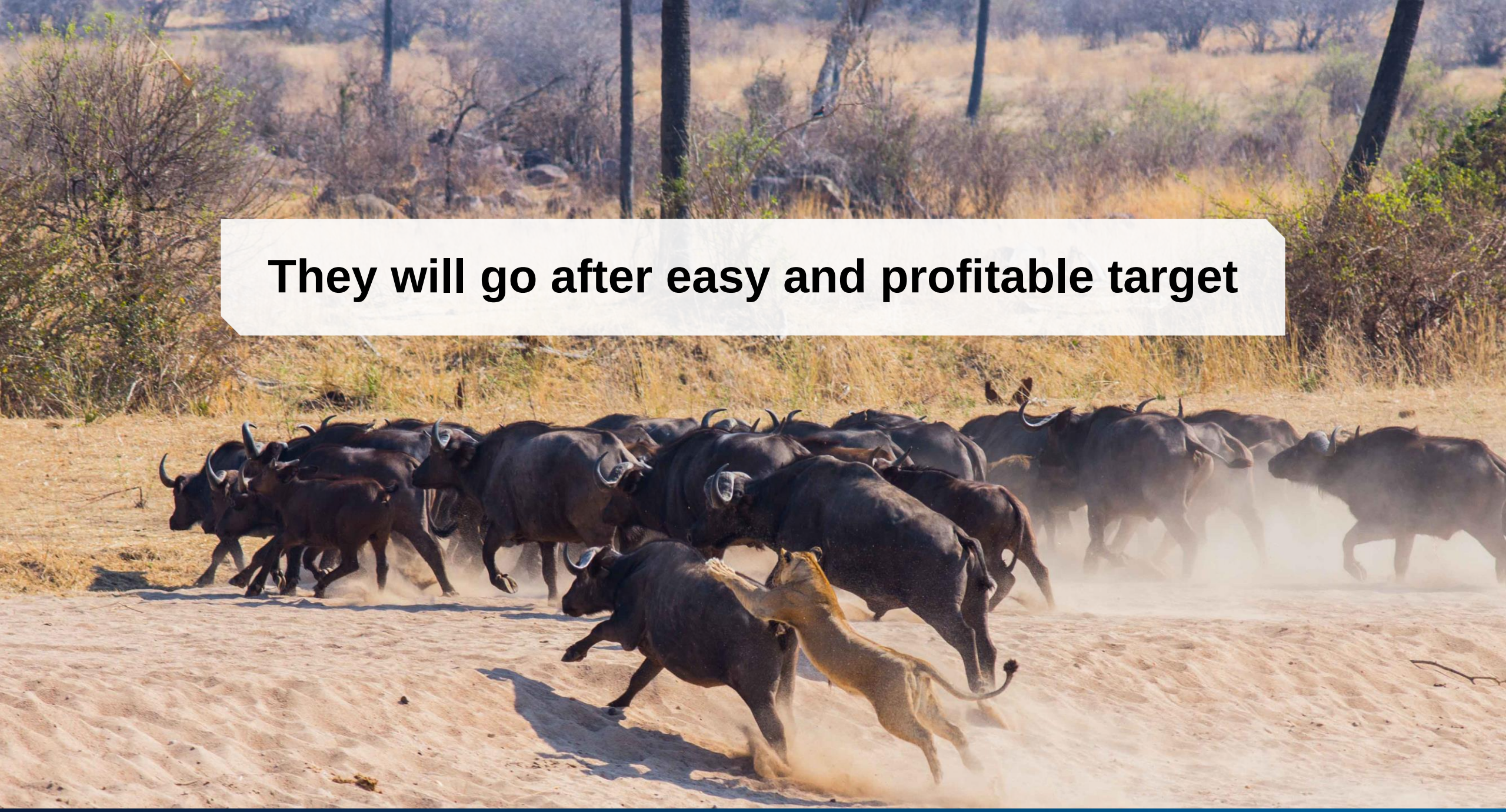
- Different password for each online service
- Use a password manager
- Update your software on a regular basis (OS, browser , Java, Flash, …)
- Use a recent and up-to-date antivirus
- Be careful with every incoming email (Phishing?)
- Don’t blindly trust the sender of E-Mail, SMS, whatsapp, etc…
- Backup your data

CONCLUSIONS
A.
B.

**Cybercrime is highly organized**

**and**

**profit oriented**


They will go after easy and profitable target

# Don’t be the low-hanging fruit!

COMPASS
SECURITY