

Explain your idea



## Is Cyber Security for me?



## Mentimeter 2465 9665

# What is Cyber Security? Mentineter 2465 9665

## Cyber Crime is a business

## \$1.51

#### **\$1.5 Trillion** in Annual Revenue for Cybercriminals.

According to Bromium and
Dataprot, Cybercriminals earn \$1.5
trillion in annual revenue with \$1
billion of that alone coming from the
ransomware category. That's a
ransomware attack every 11
seconds by 2022.

Source: Bromium, Inc

## 2.6X Greater Gains Compared to Largest U.S. Company

Cybercrime totals \$1.5 trillion in revenue annually. Walmart's income reached \$572 billion in 2021. In comparison to Walmart, cybercrime enjoys over 2.6 times greater gains.

Source: Arctic Wolf



#### **\$8.4** Trillion in Annual Damages

Measured as a country, cybercrime would be the world's third-largest economy after the U.S. and China with inflicted damages totaling \$8.4 trillion USD globally in 2022.

Source: Statista Technology Market
Outlook, National Cybersecurity
Organizations, FBI, IMF







Allianz Risk Barometer 2022 lists

**#1** Global Business Risk

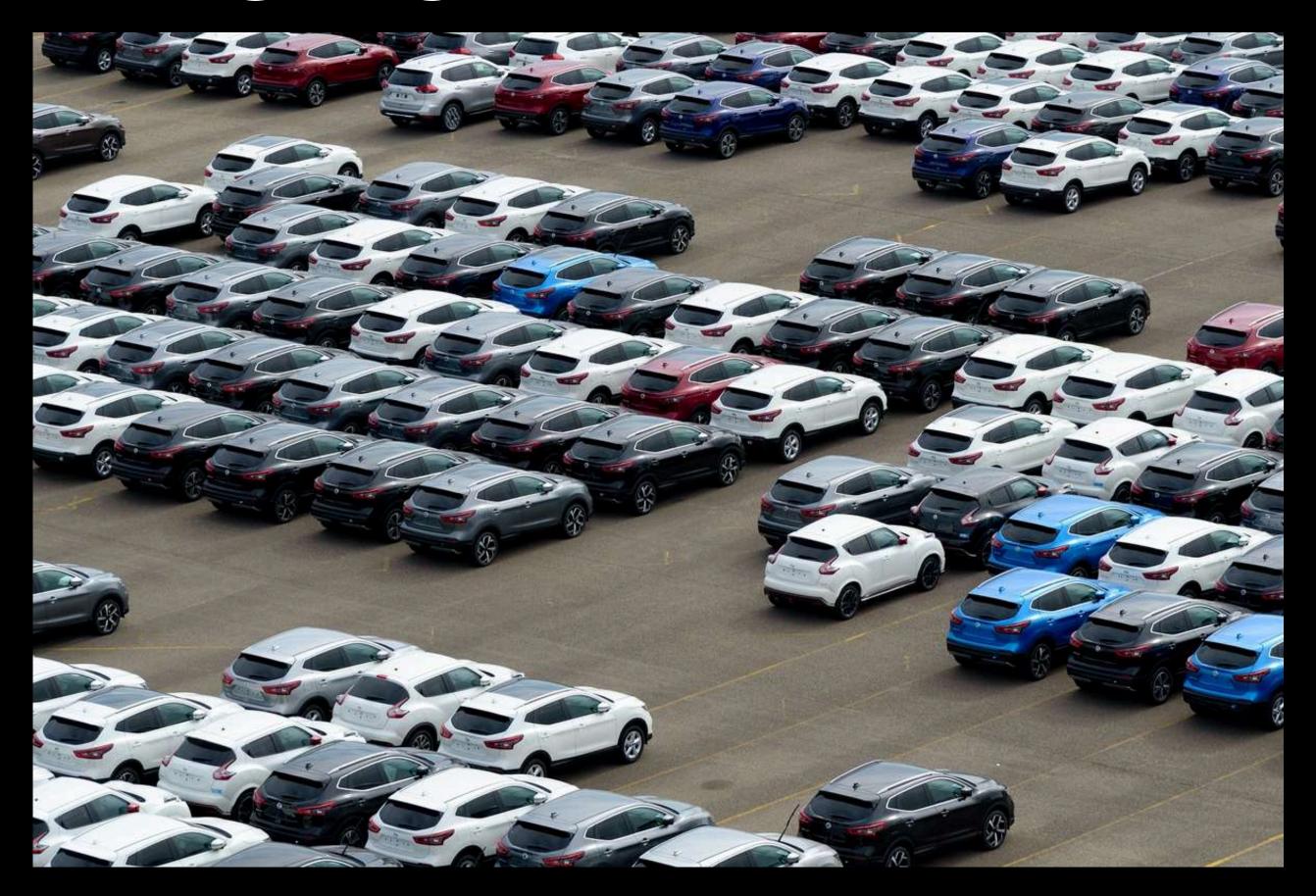
cyber incidents as the #1 global business risk, above business interruption and natural disasters.

Source: Allianz Risk Barometer 2022

## Attacker Types



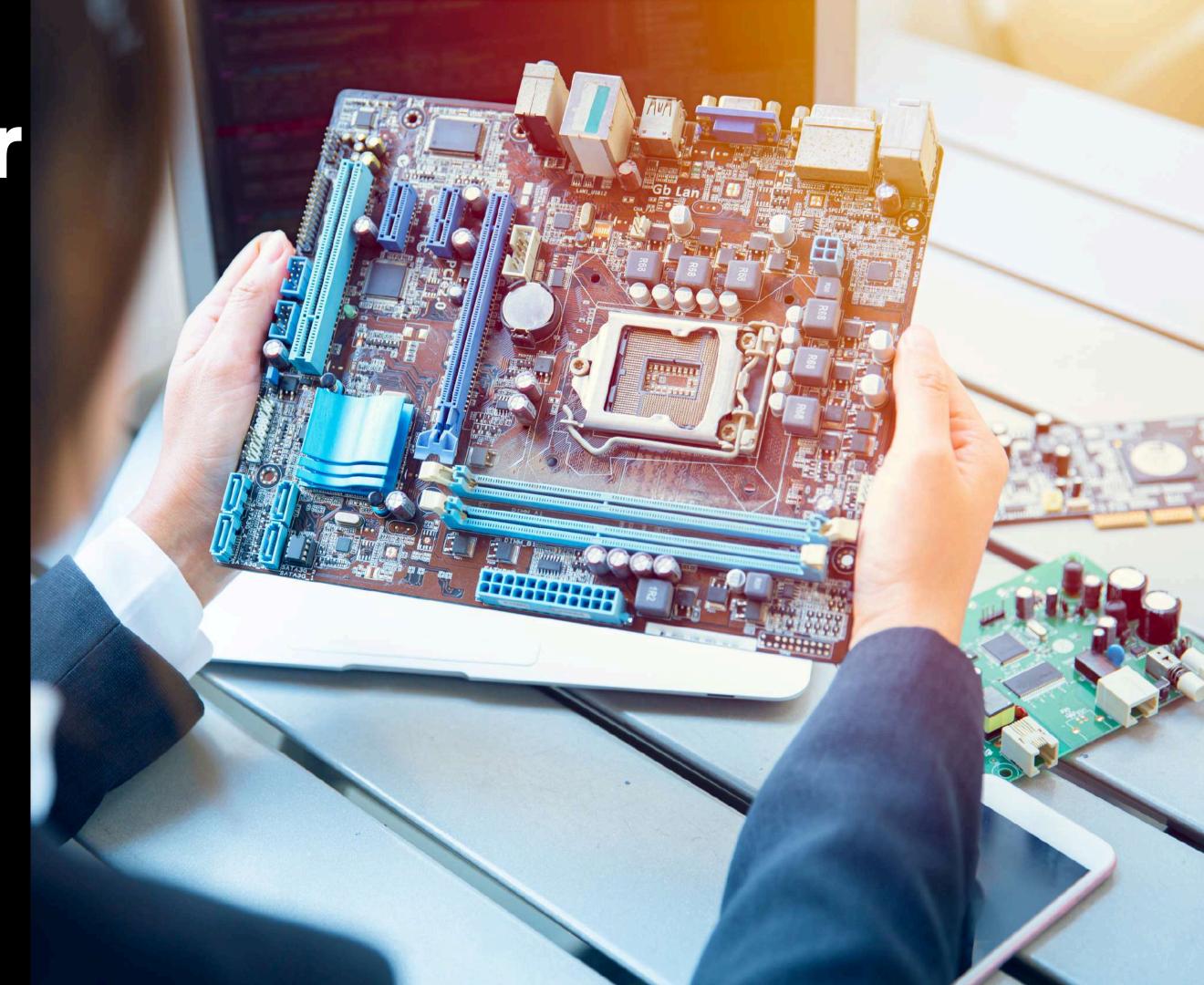
## Common gangs - Least effort



## Disclaimer

**Generic advice** 

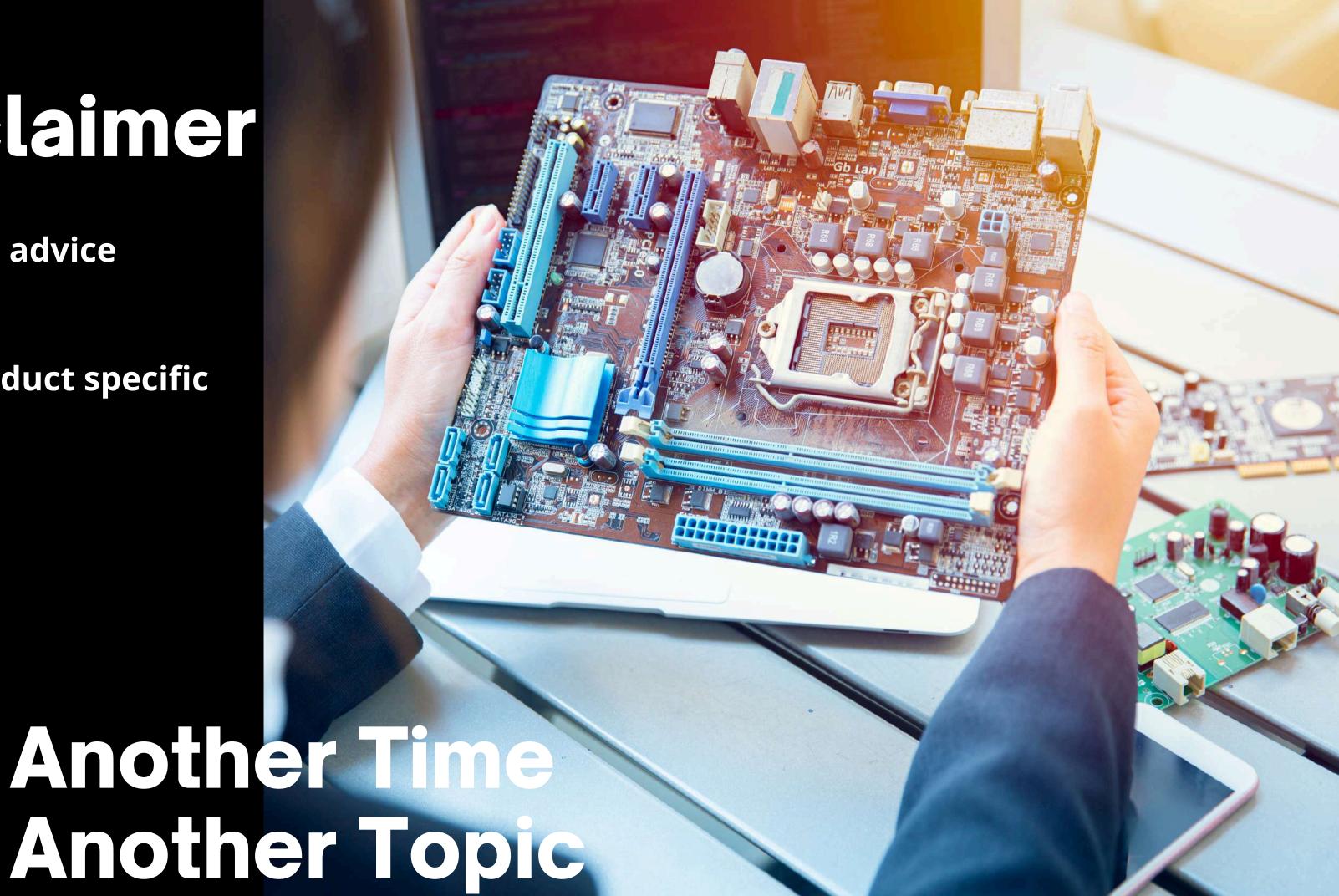
Not product specific



## Disclaimer

**Generic advice** 

Not product specific



### TOP 5 Threats



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## TOP 5 Threats

- Social Engineering
- Virus, Malware
- Man in The Middle
- Passwords
- Insider



- Phising
- Smishing
- Vishing
- CEO fraud

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20 ....



Así ha hackeado LockBit al Ayuntamiento de Sevilla: "Convierten todos los ordenadores en pisapapeles en un chasquido de dedos"

MARTA GASCÓN RAQUEL HOLGADO | GRÁFICO: CARLOS G. KINDELÁN / NOTICIA / 07.09.2023 - 05:19H



El Ayuntamiento de Sevilla se ha visto se han interrumpido como medida de euros de rescate.

- ¿Piden verificar tu identidad en Gmai
- Estas son las estafas más comunes

Así funciona un 'Ranso

2 El mensaje traspasa todos los filtros de seguridad anti virus de la organización.

3

Home > Tecnología

Le estafan 15.000 euros mediante smishing pero el banco se niega a devolverle el dinero

TRIBUNAL SUPREMO >

bancos?

entidades bancarias

Se hacen pasar por CEO de la empresa y estafar

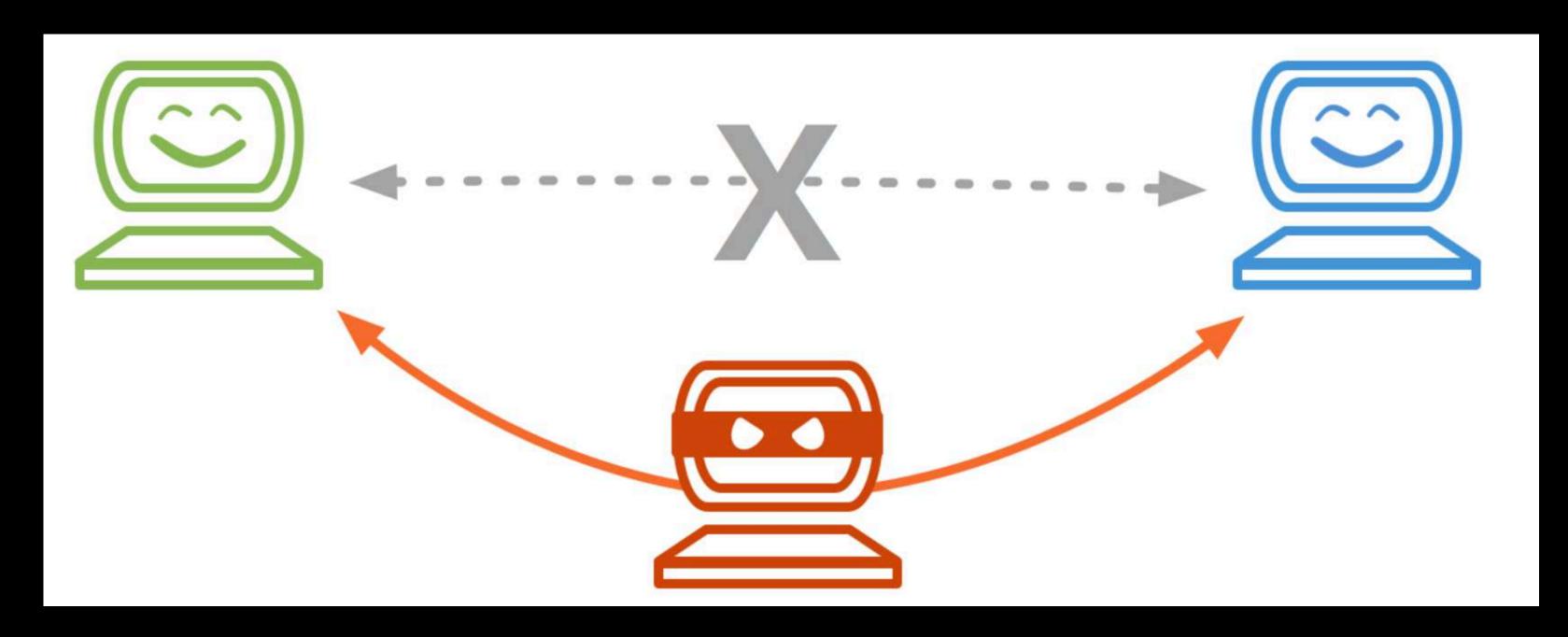
Una extrabajadora de la EMT Valencia, considerada responsable contable del fraude a la empresa municipal, pide al Supremo que aclare la situación de las

millones: ¿cuánta responsabilidad tienen los

Algunos Ransomware pueden infectar a otros

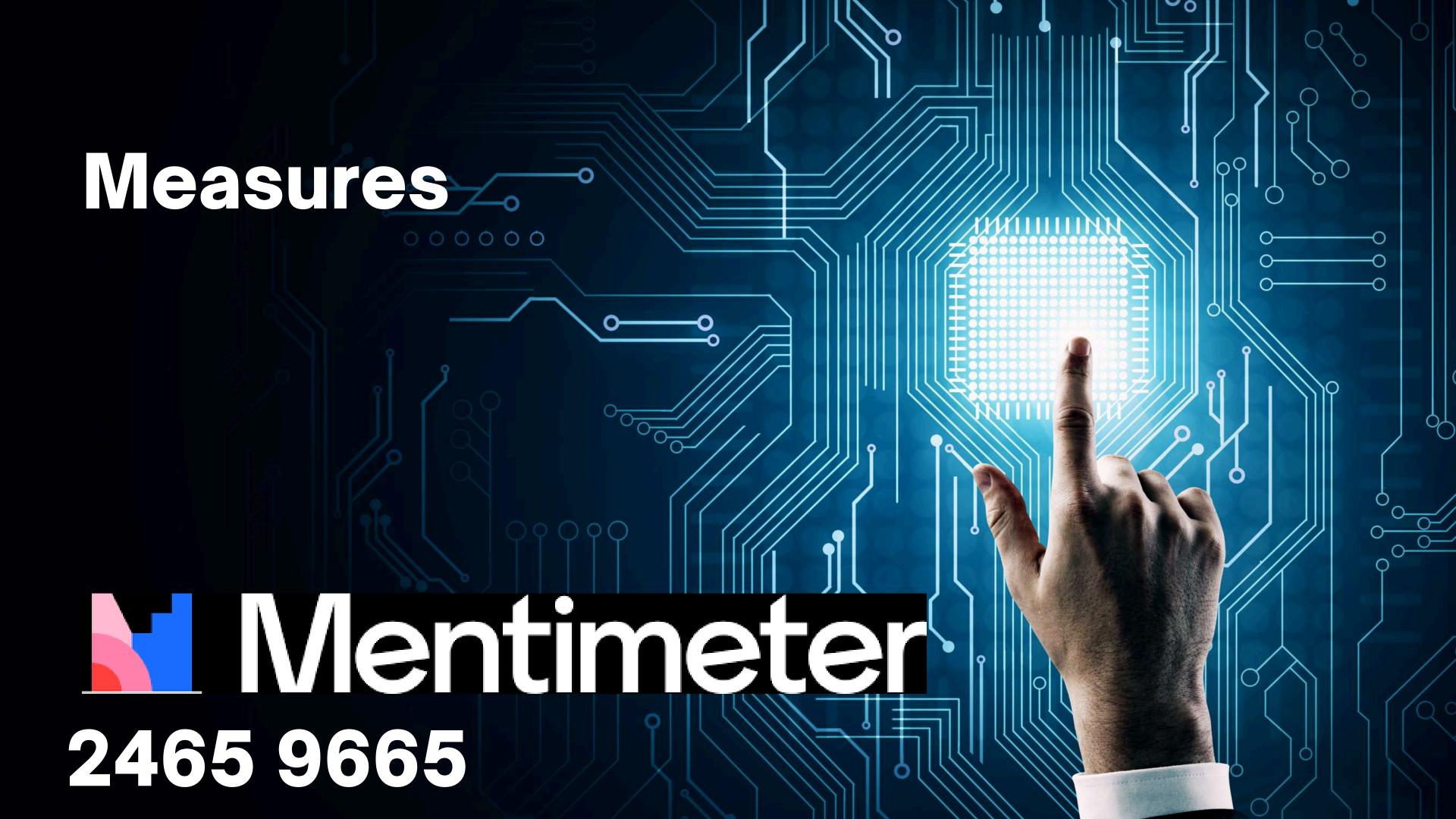


## 3 - Man in the middle

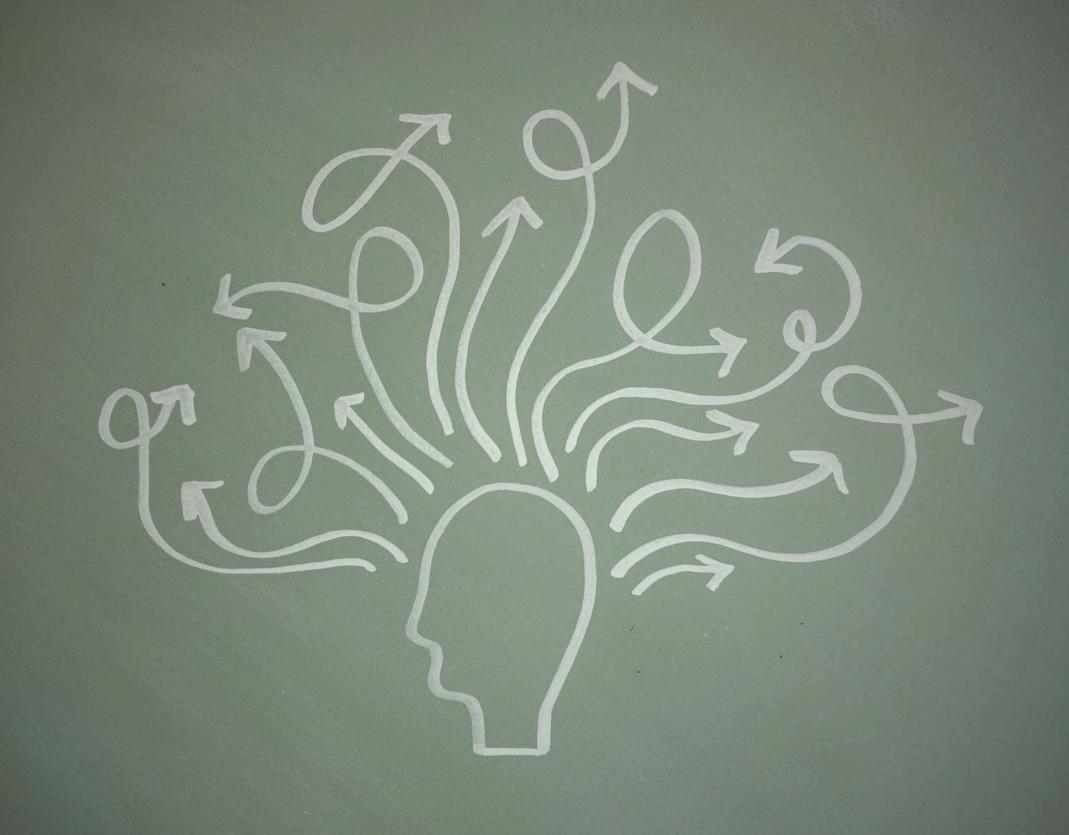








## 0 - Awareness



#### Identify:

- Urgency
- Spelling
- Domain changes
- Suspicious attachments
- 2 good 2 B true
- Asking sensitive information



#### Never:

- Click on that link
- Open the attached file



#### Never:

- Click on that link
- Open the attached file

#### I fucked up!







BASQUE CYBERSECURITY AGENCY



Doako telefono zenbakia 900 104 891



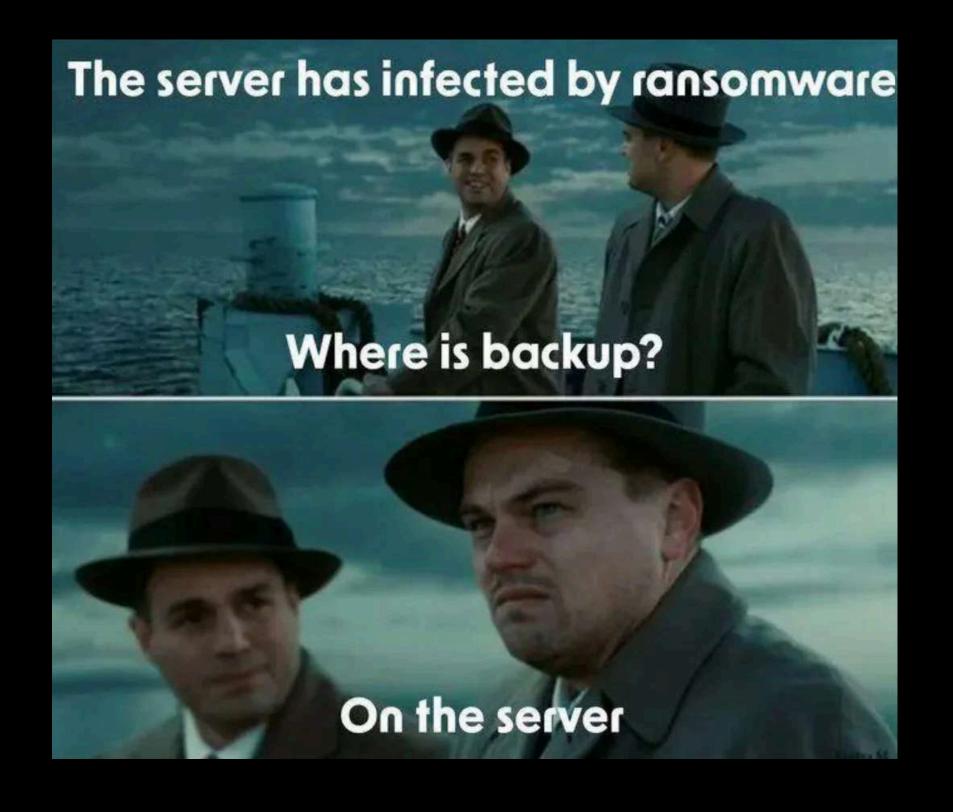
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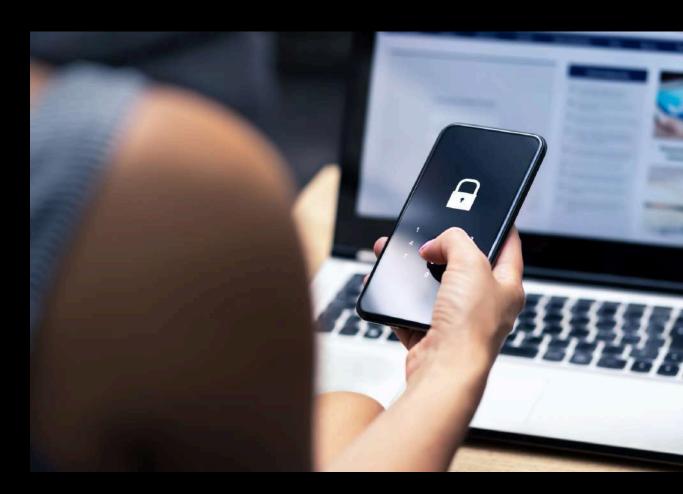




3, 2, 1

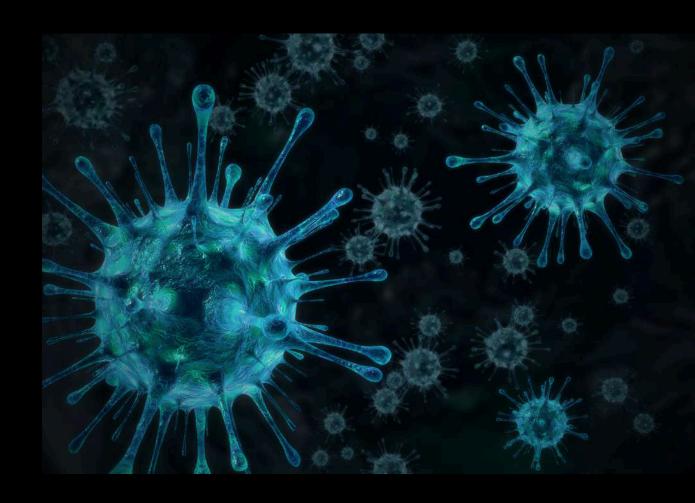




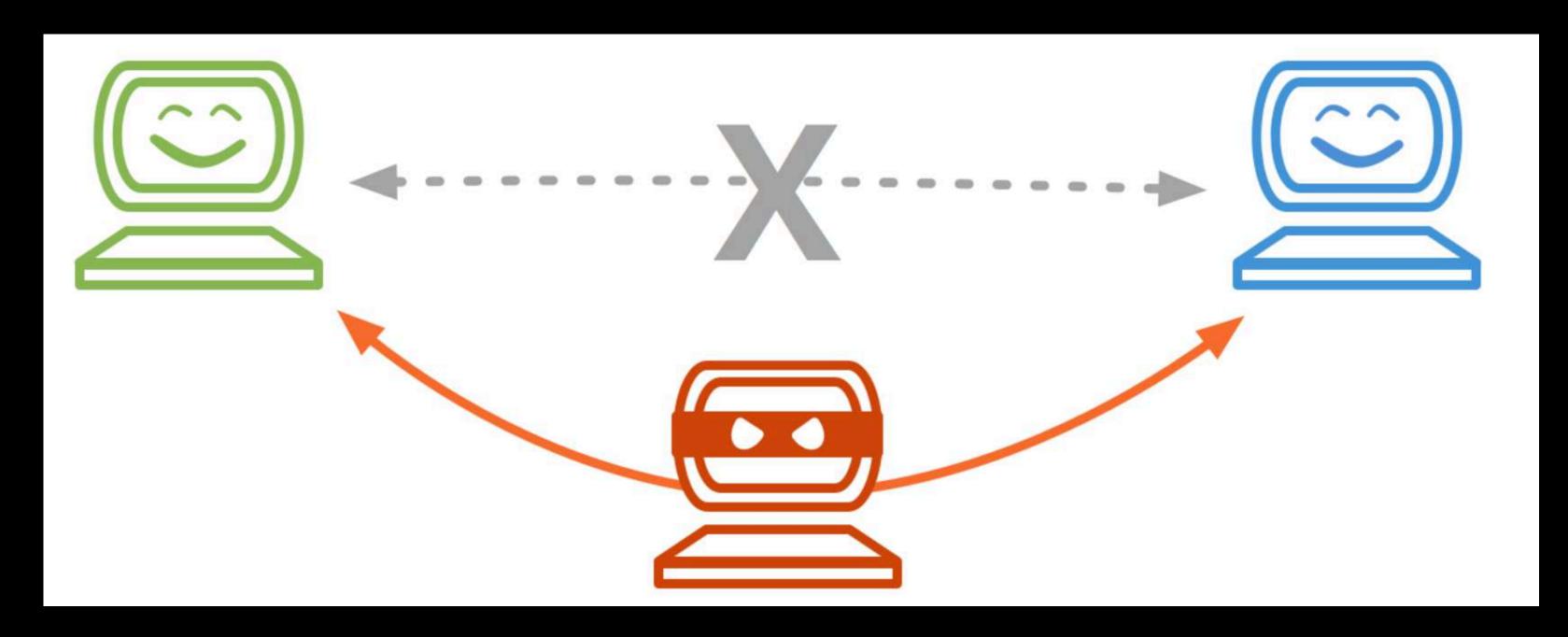


## 2 - Virus, Malware

- Updates
- AV
- EDR (Sysmon at least)



## 3 - Man in the middle



## 3 - Man in the middle



#### 3 - Man in the middle. Our WIFI

Encryption algorithms

- WPA2
- WPA 🗶
- WEP
- Ninguna



#### 3 - Man in the middle. Other WIFI

- Don't use
- Use with VPN
- Use with no sensible info
- Use at your own peril



## Best practices:



#### Best practices:

- Don´t reveal
- Don't repeat
- Upper & lower letters, numbers & special chars
- At least 8 length
- Change periodically





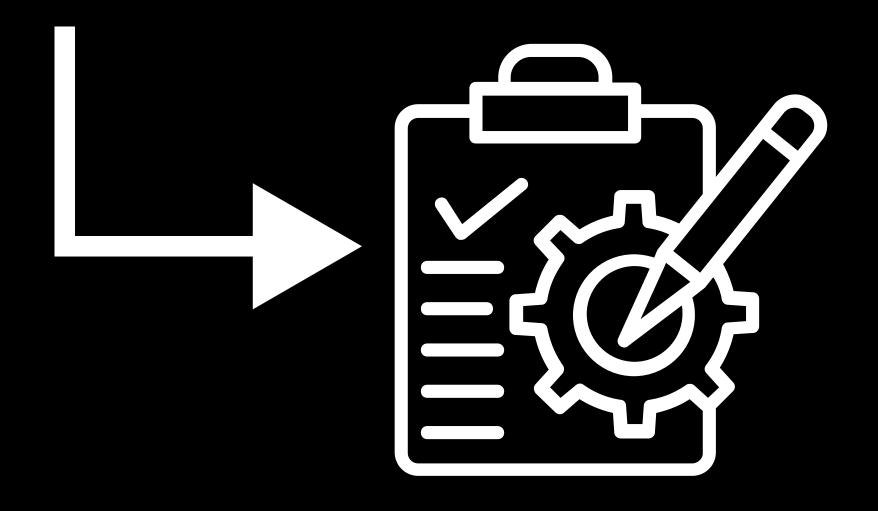
#### Best practices:

- Use Password Manager
  - LastPass: https://lastpass.com/
  - KeePass: https://keepass.info/
  - Keeper: https://keepersecurity.com/
  - Password Safe: https://pwsafe.org/
- 2FA

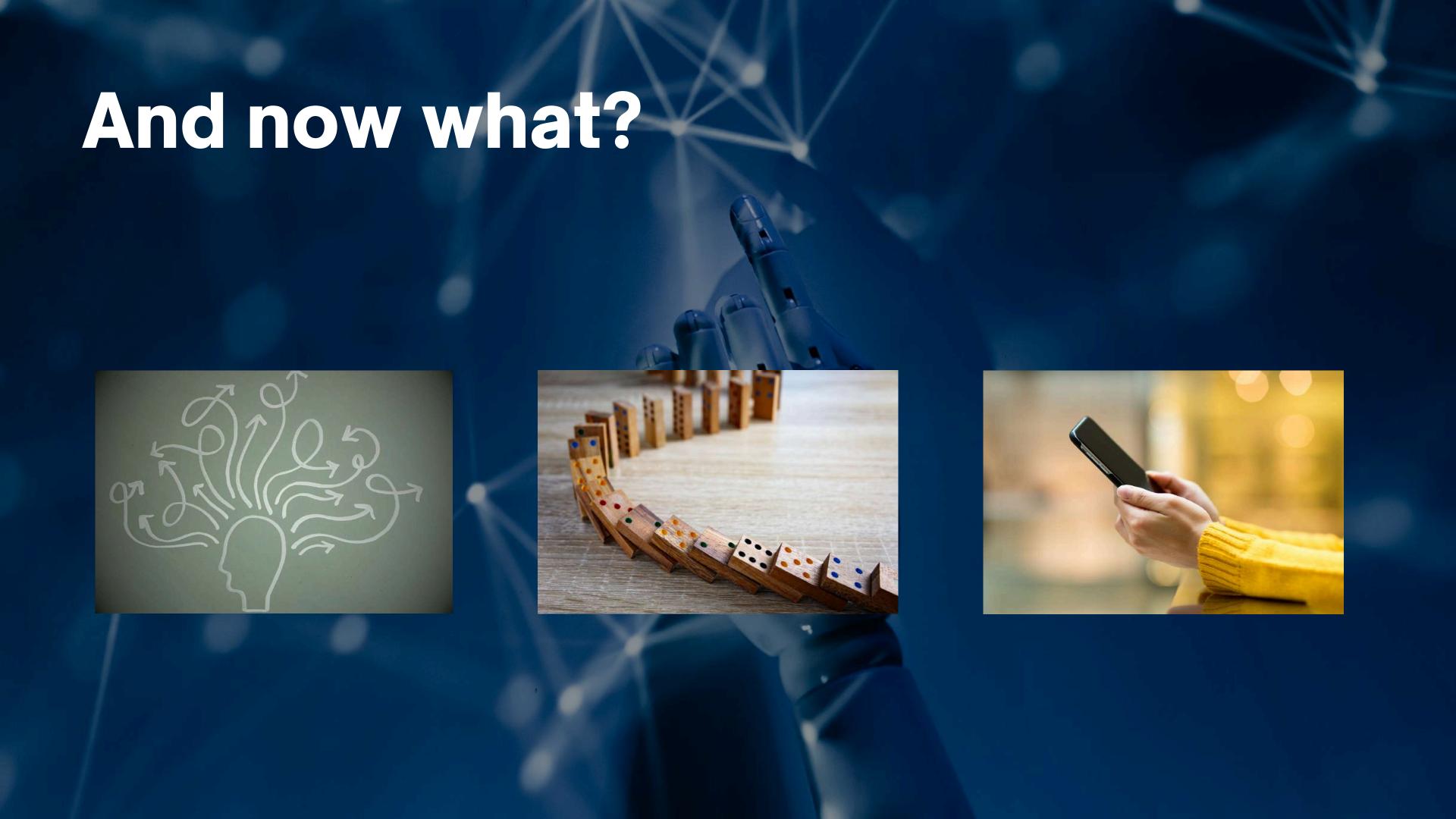


## 5 - Insider

#### Who can do what?













#### <u>Ibai Peña</u>

## KnKa

Euskadiko LHren Ikerketa Aplikatuko Zentroa Centro de Investigación Aplicada de FP Euskadi Basque VET Applied Research Centre