# Stake at the heart

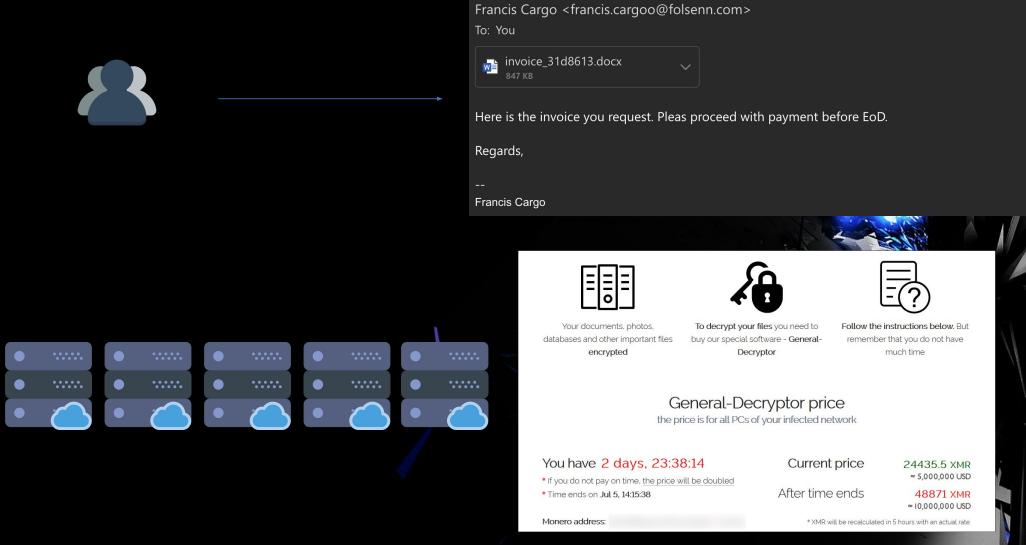
Destroying common security wisdom

Ayoub EL AASSAL

## Disclaimer

The opinions expressed during this presentation are my own and do not necessarily reflect those of my current employer or any other affiliated organization. The information and advice shared here are based on my personal experience and expertise in the field of cybersecurity and should not be considered as an official position of my employer.

# "Humans are the weakest link in cyber security"







- What about Spam filters?
- Sandbox analysis?



- Lack of logical isolation?
- Full access to the underlying OS' APIs from a text document

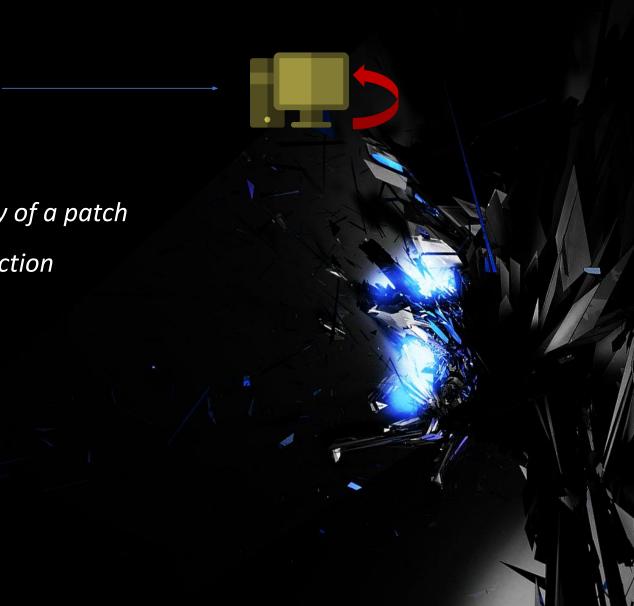
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• EDR/AV bypass or lack there of





- Lack of patching or even availability of a patch
- Bypass any system detection/protection





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- No network isolation
- Same password everywhere
- Clear text protocols
- Broken authentication protocols
- No detection of unusual behavior
- Etc.

The company and its vendors made significant errors and breached their security commitments

...Yet, it's the job of the employee to be prudent?

"Humans are the weakest link in cyber security"

## Let's build an environment where a single error does not threathen the company's security

## "The job of the security team is finding vulnerabilities"

#### A common operating system in security:

- Second/third line of defense
- Auditing systems and processes
- Pages of vulnerabilities and recommendations

... Of course after 2 years, barely anything changes

An auditor's paradox

### Pointing vulnerabilities brings zero

value to the customer of that business

#### Misaligned incentives

#### Security team

- Finding vulnerabilities
- Accurate recommendations
- Audit as many systems as possible

Rest of the

## companyDeliver value to customers

- Ship feature to increase revenue
- Keep the platform stable

#### We need to align our goals

- Yes to auditing systems but...
- Security team with a mandate to fix vulnerabilities
- Ownership of projects

## "The job of the security team is finding vulnerabilities" The job of the security team is to fix vulnerabilities

# "The attacker has the advantage"

"The attacker has the advantage"

# "The company forfeits its advantage"

### Contact



Icons from https://www.flaticon.com