

TECNOLOGIA EM DEFESA CIBERNÉTICA

FIAP

LET'S  
ROCK  
THE  
FUTURE

**INTELIGÊNCIA**

**E**

**CONTRAINTELIGÊNCIA**



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# **INTELIGÊNCIA E CONTRAINTELIGÊNCIA**

There's no patch for  
Human stupidity

***Qual o valor  
do seu dado?***

# INTELIGÊNCIA E CONTRAINTELIGÊNCIA



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# ***INTELIGÊNCIA E CONTRAINTELIGÊNCIA***

***Valor da Informação  $\geq$  Custo da Proteção***

# INTELIGÊNCIA E CONTRAINTELIGÊNCIA

## Segurança da informação: Alguns números

mindthesec<sup>®</sup>  
SP2017

Custo do Cibercrime em  
2021

Investimento previsto em  
Cibersegurança

Superfície de ataque em  
2021



\$6 trilhões  
(dólares)

\$1 trilhão  
(dólares entre 2017-2021)

4 bilhões de pessoas

Fonte: <http://www.councilonsec.com/articles/3153707/et/uri/top-5-cybersecurity-facts-figures-in-d-statistica-for-2017.html>

**INTELIGÊNCIA E CONTRAINTELIGÊNCIA**



***Engenharia  
Social***

FIAP

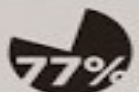


### HOW MUCH EMAIL IS SENT?

**107**  
TRILLION  
ANNUALLY

**294**  
BILLION  
EACH DAY

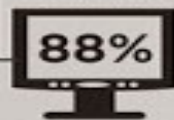
**90%**  
OF ALL EMAIL  
IS SPAM & VIRUSES



Phishing represents 77% of all socially-based attacks



**37.3**  
MILLION Users reported phishing attacks in the last year



Clicking links within email accounted for 88% of all reported phishing

Most common phishing attacks mimicked banking institutions



**1.8 MILLION**  
VICTIMS  
IN 2013

Medical identity theft on the rise due to websites impersonating medical providers

**TOP PLACE**  
FOR THEFT  
IS WORK AREA



80% of thefts involved disabling or bypassing controls

**88%**  
OF REPORTED  
STOLEN ASSETS  
WERE PERSONAL DATA



## Phishing 01

Practice of sending emails appearing to be from reputable sources with the goal of influencing or gaining personal information



Practice of pretending as another person with the goal of obtaining information or access to a person, company, or computer system

## Impersonation 03

## Vishing 02

Practice of eliciting information or attempting to influence action via the telephone, may include such tools as "phone spoofing"



**2.4M CUSTOMERS**  
TARGETED FOR  
PHONE FRAUD  
FOR ALL OF 2012



**2.3M CUSTOMERS**  
TARGETED FOR  
PHONE FRAUD FOR  
FIRST HALF OF 2013

**AVERAGE LOSS FOR  
TARGETED BUSINESSES**  
**\$42,546**  
per account



**AVERAGE VICTIM OF  
IMPERSONATION**  
**41.7**  
YEARS OLD ..... **\$4,187**  
DOLLARS LOST



**60%**  
of US Adults  
Who send and receive text messages received mobile spam in 2012

**14%**  
REPLY  
TO TEXT

**26%**  
CALL A  
NUMBER



**60%**  
CLICK A LINK

**WHAT DO  
SMISHERS\*  
ASK FOR?**  
\*phishing in  
text messages



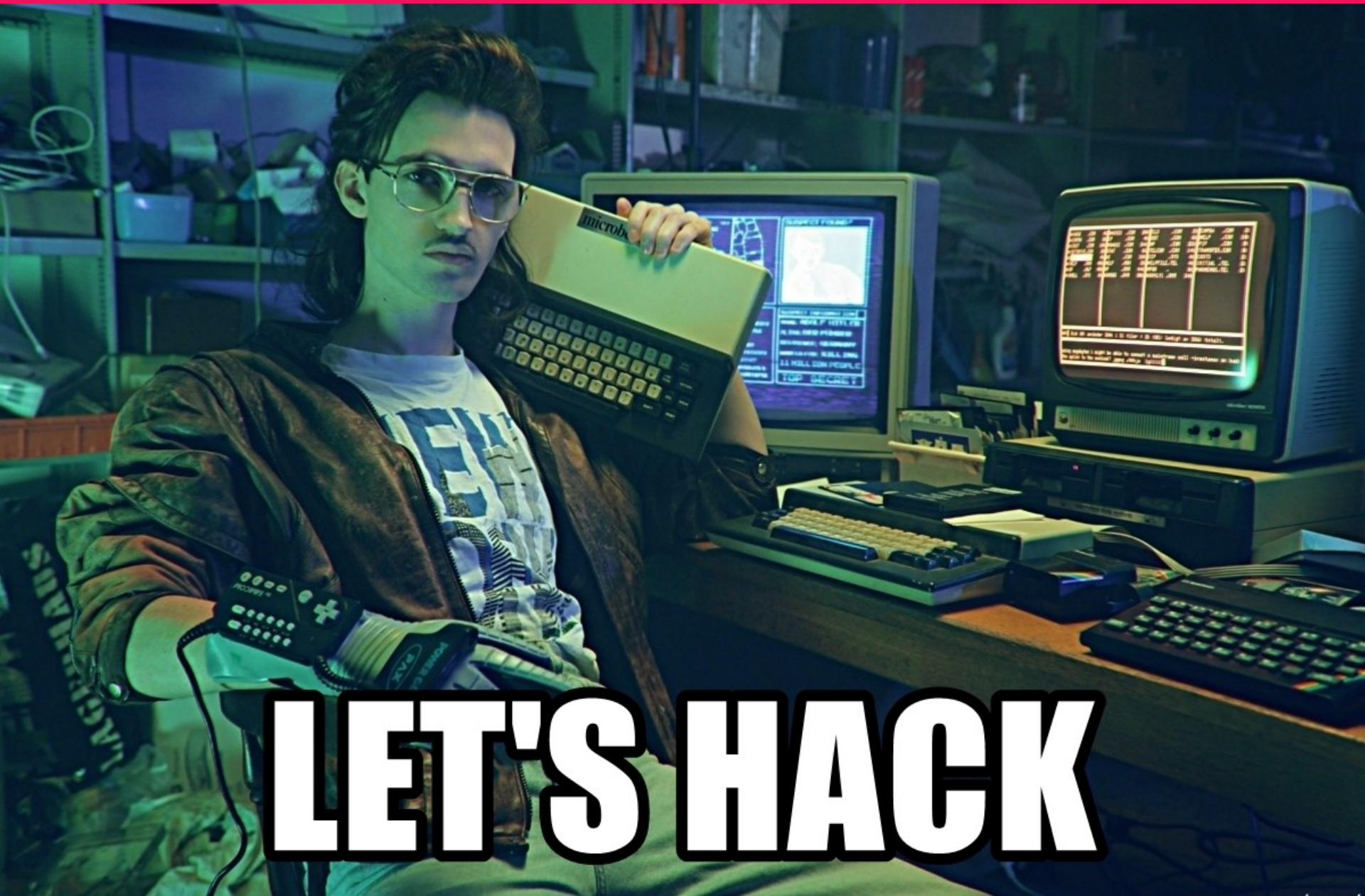
# ***INTELIGÊNCIA E CONTRAINTELIGÊNCIA***

**SocialEngineer**

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**T O O L K I T**

# INTELIGÊNCIA E CONTRAINTELIGÊNCIA



**LET'S HACK**

# INTELIGÊNCIA E CONTRAINTELIGÊNCIA

## ➤ LAB

- *Enviar um e-mail (spear phishing) para **profalessandro.vieira@fiap.com.br** contendo um link malicioso para captura de credencial de rede social, e um anexo contendo um artefato malicioso com payload que abra uma backdoor para a máquina do atacante.*
- *O Lab deve ser feito utilizando, preferencialmente, as ferramentas SEToolKit e Metasploit, presentes no Kali Linux*

# **INTELIGÊNCIA E CONTRAINTELIGÊNCIA**

**ANY  
QUESTIONS?**



# INTELIGÊNCIA E CONTRAINTELIGÊNCIA

*That's all Folks!*