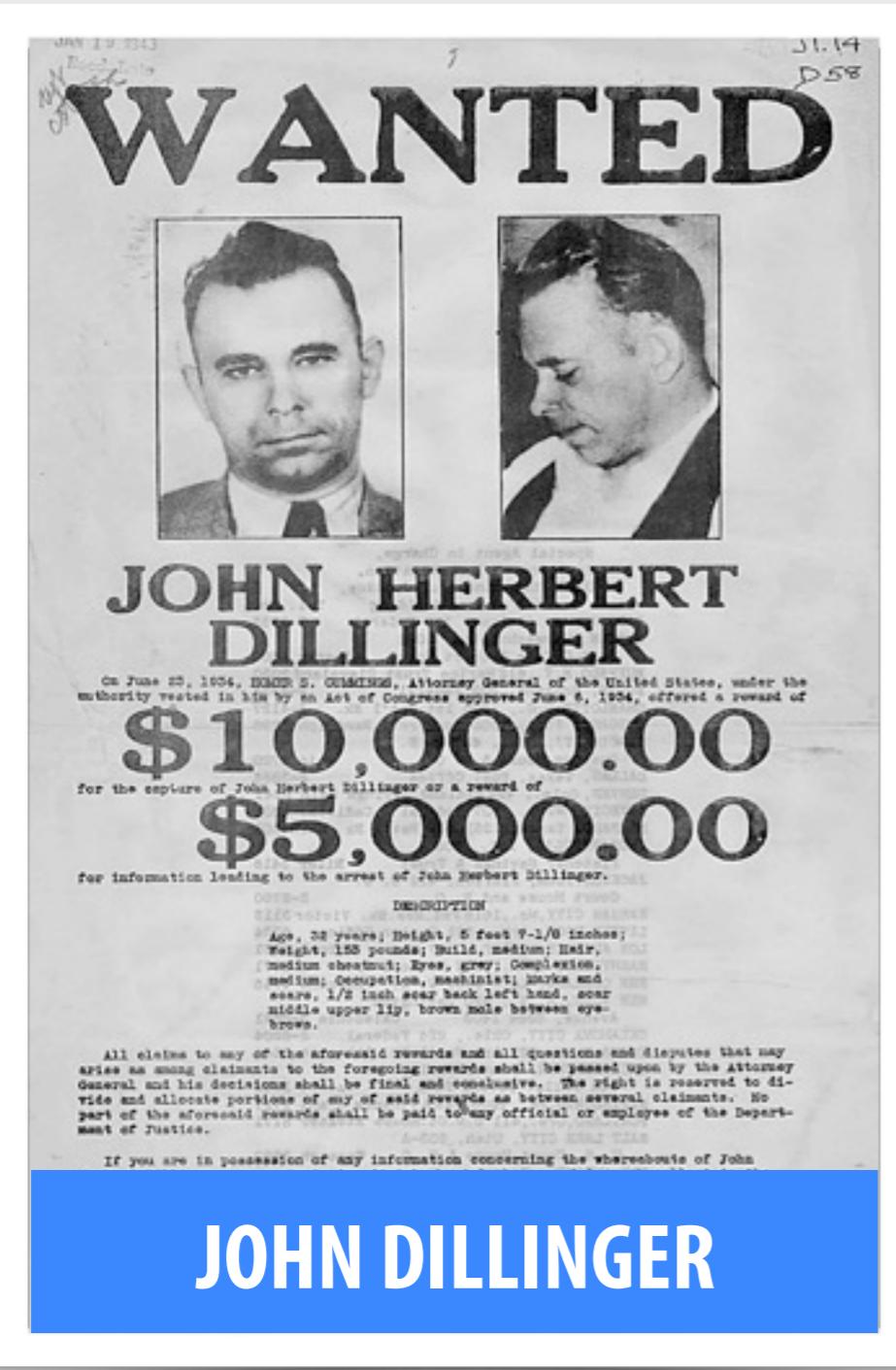




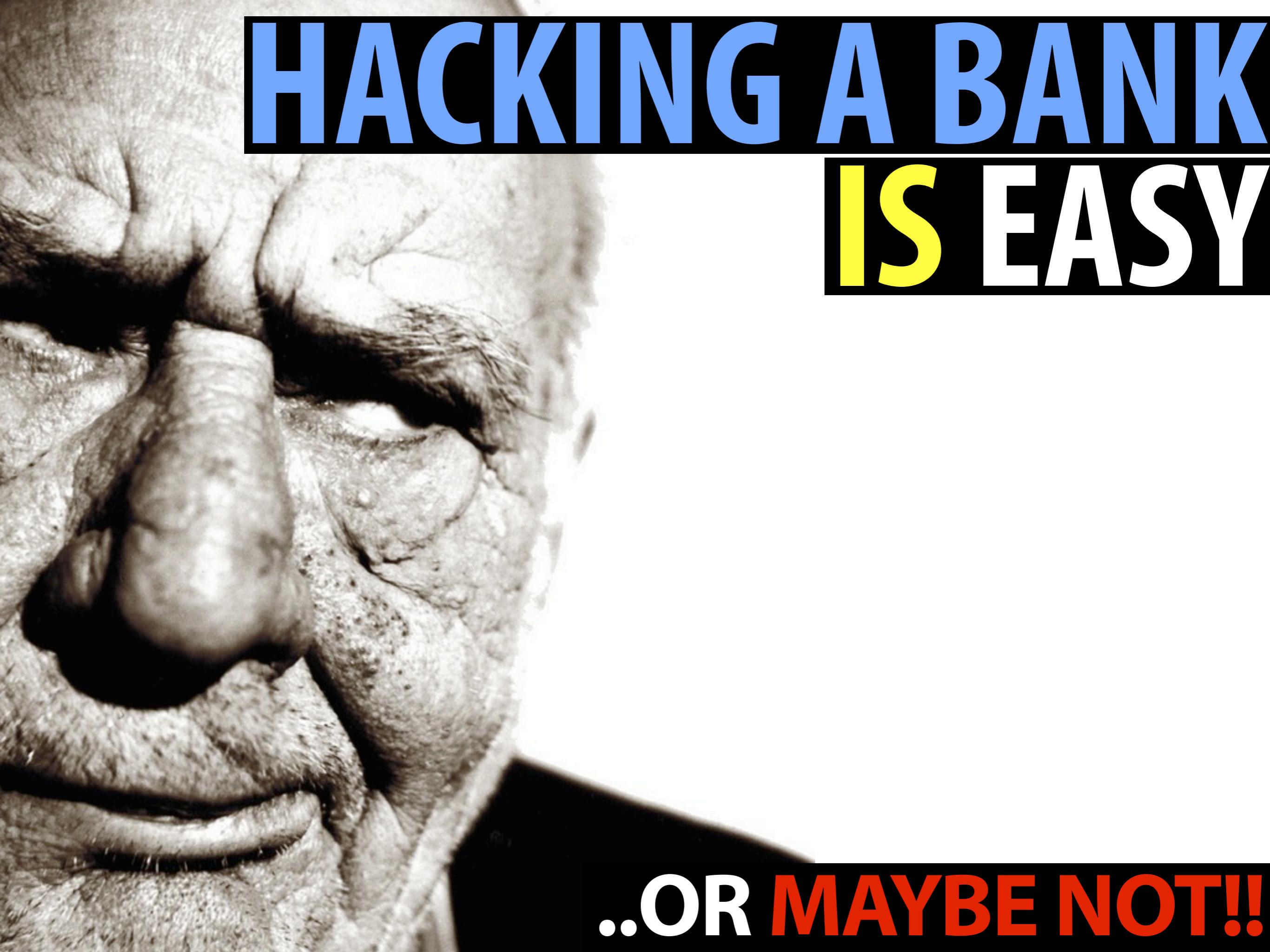
THE 21ST CENTURY BANK JOB

EVER THOUGHT ABOUT ROBBING A BANK?





OLD SCHOOL



HACKING A BANK IS EASY

..OR **MAYBE NOT!!**



CASE STUDIES

MODERN BANK JOBS

The image shows a collage of news articles from different websites, all centered around the theme of credit card fraud. The articles are presented in a layered, overlapping fashion.

- Top Article:** "Fifty People Accused of Credit Card Fraud Arrested in Russia" (softpedia.com) - This is the largest and most prominent article. It discusses a gang arrested in Russia for stealing \$2 million. It includes a photo of hands holding a credit card and a sidebar for Google Ads.
- Second Article:** "Six arrested in massive credit card fraud case" (tgdaily.com) - This article is about a case in Jakarta where six people were arrested for credit card fraud. It includes a video thumbnail and social sharing options.
- Third Article:** "Miami (FL) - Secret Service arrests gang that stole credit card numbers and forged counterfeit cards" (wired.com) - This article details a Secret Service investigation in Miami, where a gang was arrested for forging credit cards.
- Fourth Article:** "Five People Accused of Credit Card Fraud Arrested in Russia" (softpedia.com) - A smaller article from Softpedia about another Russian credit card fraud case.
- Other Articles:** There are several other smaller articles visible, including one from "Columbia Business School" and another from "The Jakarta Post".

CREDIT CARD FRAUD

YouTube - ATM Skimming

www.youtube.com/watch?v=m3qK46L2b_c

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YouTube atm skimming

ATM Skimming

copninja 15 atm skimming

Here's What A Card Skimmer Looks Like On An ATM

consumerist.com/2009/04/heres-what-a-card-skimmer-looks-like-on-an-atm.html

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OCT 5, 2010 | 26 POSTS IN THE LAST 24 HOURS

SEARCH

THE CONSUMERIST

HOME TOPICS

SKIMMERS Here's What A Card Skimmer Looks Like On An ATM

By Chris Walters on April 19, 2009 8:21 AM

copninja 0 ATM Skimming

Atmosphere at an ATM

Authorities believe ATM card scammers are responsible for thefts from more than a dozen bank accounts in South Sumatra (SP Photo)

Related articles

It's Prison Garb for Top Designer After Four Months for Embezzlement 12:05 PM 02 Feb 2010

Indonesian Bankers Say LDR Regularly Threatens Them at Risk 10:37pm Aug 20, 2010

Bankers Willing Cash For Idul Fitri

JG ATM Skimming Device Identified Say Bali Police

www.thejakartaglobe.com/business/atm-skimming-device-identified-say-bali-police/353982

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HOME NEWS BUSINESS SPORTS LIFE & TIMES OPINION MY JAKARTA SPECIAL ISSUES

ATM Skimming Device Identified, Say Bali Police

Bali Police say they have identified the equipment

January 21, 2010

BCA Supervisor Arrested in Connection with ATM Skimming

english.kompas.com/read/2010/02/04/09335548/BCA.Supervisor.Arrested.in.Connection.with.ATM.Skimming

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KOMPAS.com

Home Nasional Regional Internasional Megapolitan Bisnis & Keuangan Olahraga Sains Travel Oase Edukasi English Archive Video More

BCA Supervisor Arrested in Connection with ATM Skimming

Kamis, 4 Februari 2010 | 09:33 WIB

JAKARTA, KOMPAS.com — PT Bank Central Asia (BCA) admits that one of its employees has been detained at the National Police Headquarters for involvement in ATM

BCA's deputy managing director, said that the BCA supervisor in a branch in

Another, and one supervisor

Young has been arrested

National Police HQ," he

Jakarta, Wednesday

An ATM cubicle Bank in South Sumatra. The green mouth-piece on the card slot is an anti-skimming tool so that the "card skimmer" device can't be attached on the slot

SRIWIJAYA POST/SYAHRUL HIDAYAT

TERKAIT:

ATM SKIMMING

Terpopuler

Hidup dari Satu Gaji, Bagaimana...
Pujo Izinkan Istri Sekamar Pria...
Rooney Berselisih dengan Fergie
FPI Kirim Tim Tonton Film Tera...
Takut Kemat, Kiki Amala Slap...
Mau Mulai Usaha? Coba ke Bidang...

Terkomentari
Terekomendasi
Kabar Palmerah

Agoda Hotels Harga khusus
75% Diskon, Konfirmasi Segara Periksa kamar
Terus
www.agoda.web.id

Nikmati Speedy Tour 2010
Kelling Jakarta-Bali dengan Mobil Alphard. Be...
iPad, Cek Disini
www.Facebook.com/Telkomspeedy

Bikin Barang Jadi Uang
Daripada Hape Nganggur Mending Jual di ben...
Pasarnya Indonesia
www.bernilaga.com

SOCIAL ENGINEERING

A collage of screenshots from various web pages illustrating social engineering techniques:

- Kumpulan Jawaban SMS "Mama minta pulsa"**: A blog post showing a fake SMS message asking for a phone recharge.
- WASPADA PENIPUAN ATM GAYA BARU**: A blog post detailing a real-life ATM fraud incident.
- PENIPUAN ATM MASIH MARAK**: A news article about ATM fraud, featuring a photo of an ATM center.
- Polisi Bekuk Tiga Tersangka**: A news article about the arrest of three ATM fraud suspects.
- GATEWAY**: A sidebar note from a blog entry expressing that the content is a result of many people's thoughts and emails.
- VIVAnews - Penipuan ATM**: A news article about ATM fraud.
- LOOKING FOR SPEED?**: An advertisement for BIZNET featuring a blue motorcycle.



WHY TARGETING THE USERS?



IT'S EASIER & THEY ARE CLUELESS
[MOST OF THE TIME]



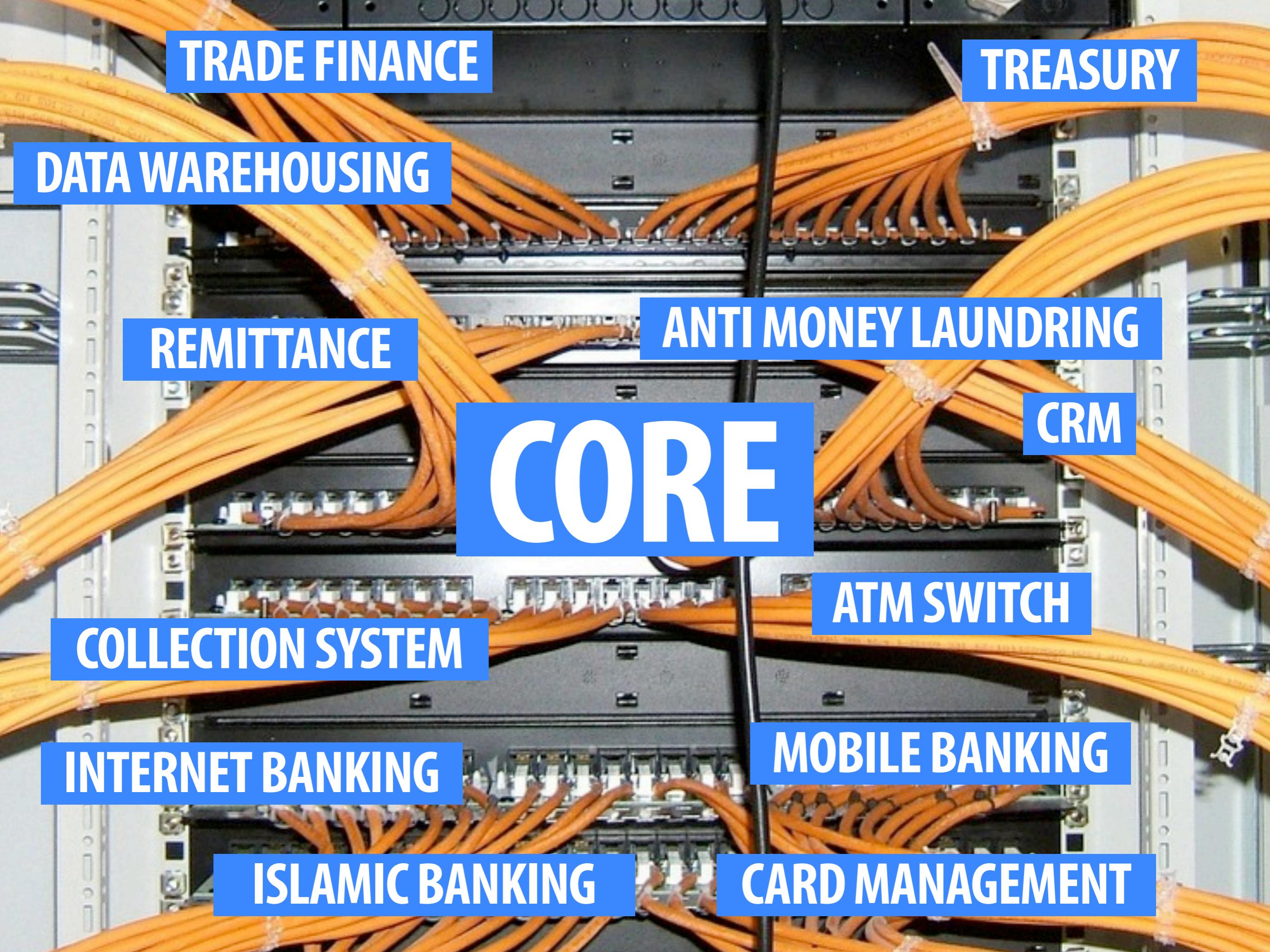
HOW ABOUT HACKING?



Swordfish (2001)



INSIDE THE BANK'S IT SYSTEM



TRADE FINANCE

DATA WAREHOUSING

REMITTANCE

CORE

ANTI MONEY LAUNDRY

COLLECTION SYSTEM

INTERNET BANKING

ISLAMIC BANKING

TREASURY

CRM

ATM SWITCH

MOBILE BANKING

CARD MANAGEMENT

EMPLOYEES

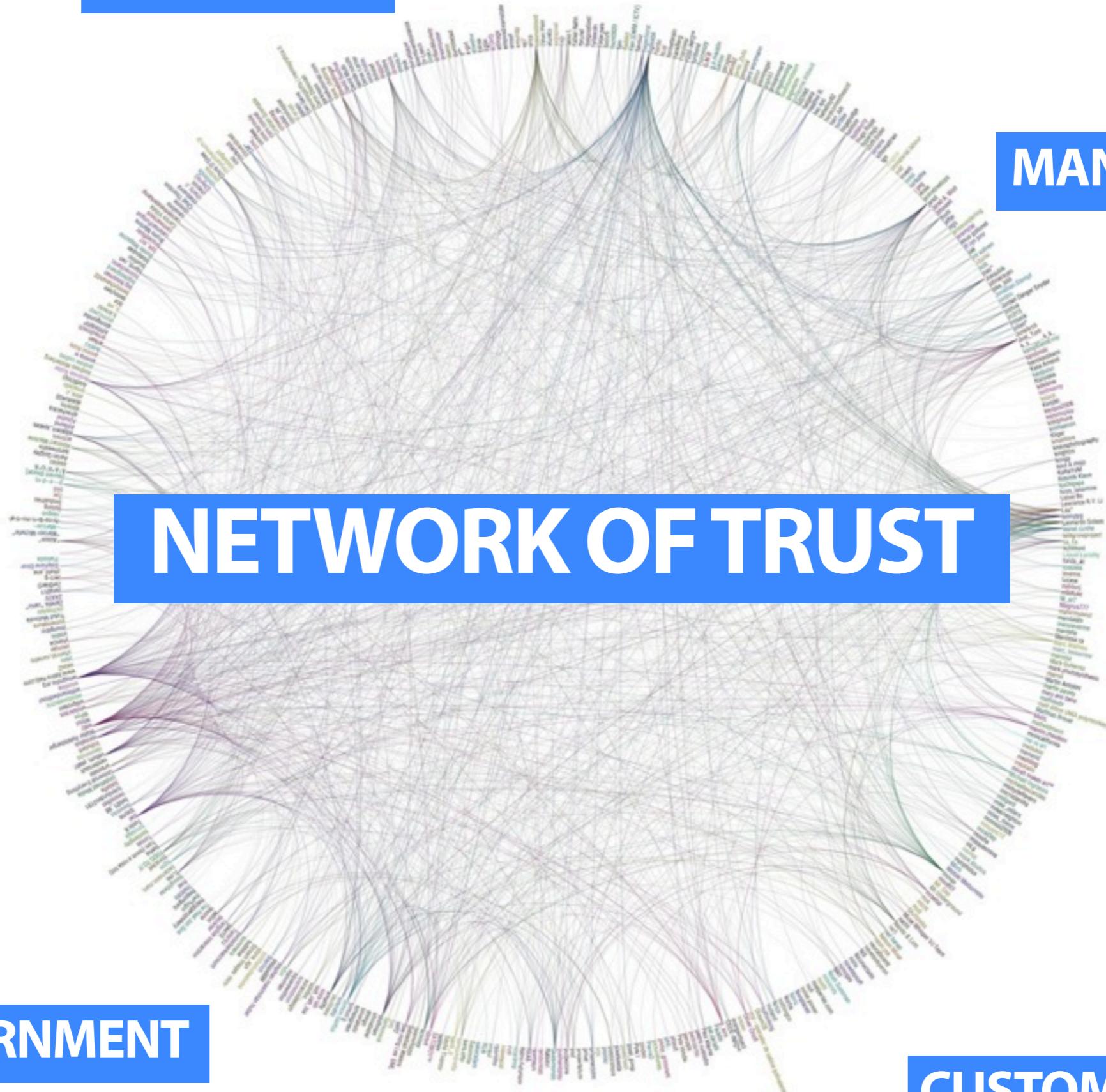
MANAGEMENT

VENDORS

NETWORK OF TRUST

GOVERNMENT

CUSTOMERS





STORYTELLING SESSION

HOW WE COMPROMISED BANKS

ON SOME PENTEST ENGAGEMENT

COMMON PROBLEMS



PEOPLE PROBLEMS

WEAK PASSWORDS
LACK OF AWARENESS
LACK OF SKILLS

SYSTEM PROBLEMS

OUTDATED SYSTEMS
INSECURE CONFIGURATIONS
INSECURE PROTOCOLS



MANAGEMENT PROBLEMS





MERCHANTS



ATM COMPROMISE

112244257

49112
34264

www

400.000
B. lindner

BH DLL - [Download](#)

561100-
3160+

192-18227.

四

393

SMG

Sept/xx

192160.198.15

WTFKTHXBYE

BBB-2480 MHz Board

DBSRX

Rev 2.2

10/2007 Ettus Research Lf

Balance Board
Controller

6MB

SJ Base

Ettus Research

USRP2

REF
CLOCK

PPS
IN

SD MEMORY

MICRO EXPANSION



GB ETHERNET



A
B
C
D
E
F

POWER
6V DC 3A





WHO'S RESPONSIBLE?

SECURITY RESPONSIBILITY



According to Customer

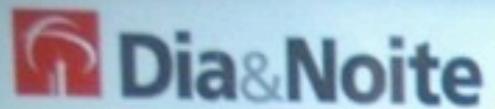


According to Bank



BANKS' EFFORTS TO INCREASE THE SECURITY LEVEL

at+sS0k1VEI13b2uWyt104/iEqs90Jshv48ibV5xValq:
www.google.co.id/images?q=encryption+ssl+rsa+public+key
Ys5yMi+2q0y5UqboGP0UndhluY4nAXtePlS42Xh415Ii
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ZuLiVxG5u90NzF7TTa7H9qvDxsbjLA2PApn0ifgsDdj+
9ZfZxr1syKMfXq+0L95tvMEL2e9VRbN05HXqDXkGvwj0
Pe/U3cH3gaGDuBzcl ENCRYPTION SSLx03TkU3nMYe250
fGA1j14G7as92Lh8Lm0K2485vvCd4z4702qf3W41rJX0



Sobre esta máquina:

Para Saque,
utilize outra máquina.

Principais serviços disponíveis:

Depósitos
Extratos / Saldo
Pagamentos / Pré-Pago
Empréstimos / Investimentos

Máquina: 010001

Fone Fácil: 40020022

Horário de funcionamento: 00h01 às 23h59

Alô Bradesco: 0800 704 8383 Site: www.braDESCO.com.br

Para iniciar:



Insira seu CARTÃO

Transações sem Cartão



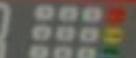
Instruções de uso



Insira o cartão na
focal indicada.



Siga atentamente
as instruções no visor.



Digite sua senha e
pressione ENTRA.

Cuidados:

- Recuse a ajuda de estranhos.
- Não revele sua senha e não entregue seu cartão a ninguém.
- Roubo, furto ou extravio do cartão: cancele-o em qualquer máquina de auto-atendimento Bradesco Dia&Noite ou ligue para o Fone Fácil de sua região.

Bradesco



TWO-FACTOR AUTHENTICATIONS

User name:

john_smith

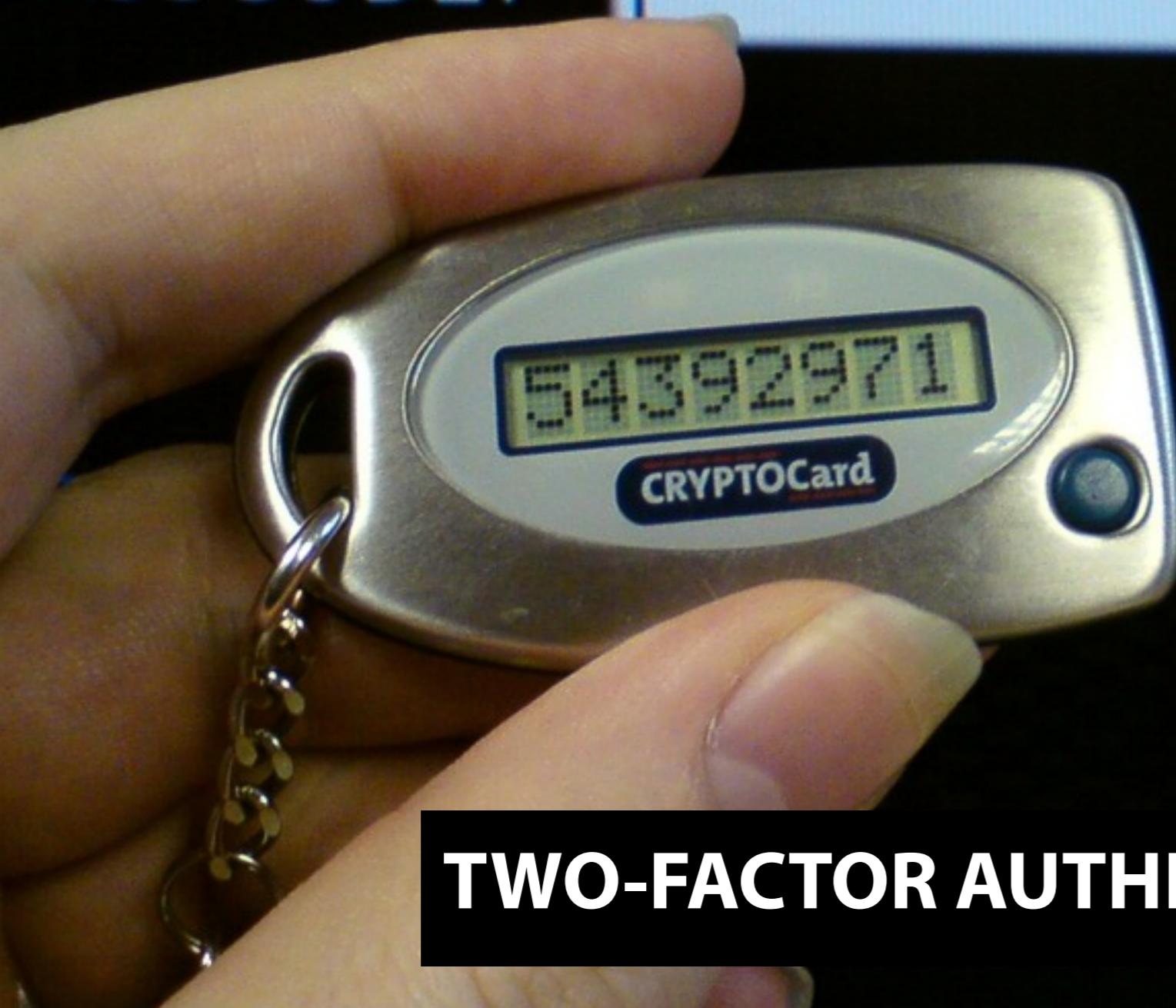
Password:

••••••••••

PASSCODE:

|

Log On



TWO-FACTOR AUTHENTICATIONS



REGULATION COMPLIANCE



REGULAR SECURITY ASSESSMENT



WHAT'S NEXT?



WHAT'S NEXT?

THANKS!

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