



WELCOME TO THE
Security Awareness:
Cyber Threats at Your Doorstep
A PART OF CYBERSECURITY WEBINAR SERIES

We'll get started in just a few minutes

If you have any questions, or are having issues,
please email membership@nstxl.org.

Interested in submitting a question?
Go to www.slido.com and enter the following event code

81910

2020 Cybersecurity Webinar Series:
Security Awareness:
Cyber Threats at Your Doorstep

July 21, 2020

Brought to you by



Participate in Polls & Submit Questions

- Slido is how we will manage questions for this session; questions will be addressed at the end in the Q&A session
- To access Slido, please visit www.slido.com
- Enter the event code #81910 in the event code box, hit “Join,” and input your questions



Joining an event?

Enter event code

Join

Interested in submitting a question?

Go to www.slido.com and enter the following event code:

81910

ABOUT THE PRESENTER

RICHARD WENTWORTH, PMP, PMI-ACP, MCP, MBA, MPM

Director of Academy

- 20 YEARS IN PROJECT MANAGEMENT AND CONSULTING
- EXPOSURE ACROSS NUMEROUS VERTICALS
- TEACHER, COACH, MENTOR
- DIVERSE EXPERIENCE, TRADITIONAL & AGILE
- PROJECT MANAGEMENT PROFESSIONAL (PMP)
- AGILE CERTIFIED (PMI-ACP)





Our **MISSION** is to deliver technology, tools and training to maximize impact, productivity and purpose.



The PMI Registered Education Provider logo is a registered mark of the Project Management Institute, Inc.



Gold Project and Portfolio Management
Gold Data Analytics
Gold Cloud Productivity
Gold Windows and Devices
Silver Collaboration and Content



Microsoft®
Most Valuable
Professional

COURSE OUTLINE

- **NIST Awareness for Security**
- **Cyber Threat Awareness**
- **Q & A**
- **Preview of Upcoming Webinars**

Interested in submitting a question?

Go to www.slido.com and enter the following event code:

81910

CYBERSECURITY FRAMEWORK

[*Helping organizations to better understand and improve their management of cybersecurity risk*]

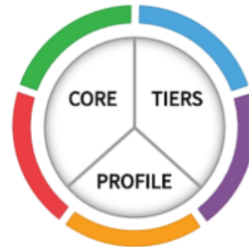
- Framework +
- New to Framework +
- Perspectives +
- Success Stories +
- Online Learning +
- Evolution +
- Frequently Asked Questions +
- Events and Presentations +
- Related Efforts (Roadmap)
- Informative References +
- Resources +
- Newsroom +
- Related Programs



Framework Version 1.1

The Cybersecurity Framework is ready to download.

[Learn More](#)



New to Framework

This voluntary Framework consists of standards, guidelines and best practices to manage cybersecurity risk.

[Learn More](#)



Online Learning

Intro material for new Framework users to implementation guidance for more advanced Framework users.

[Learn More](#)

CONNECT WITH US



LATEST UPDATES

- Check out the [blog](#) by NIST's Amy Mahn on engaging internationally to support the Framework!

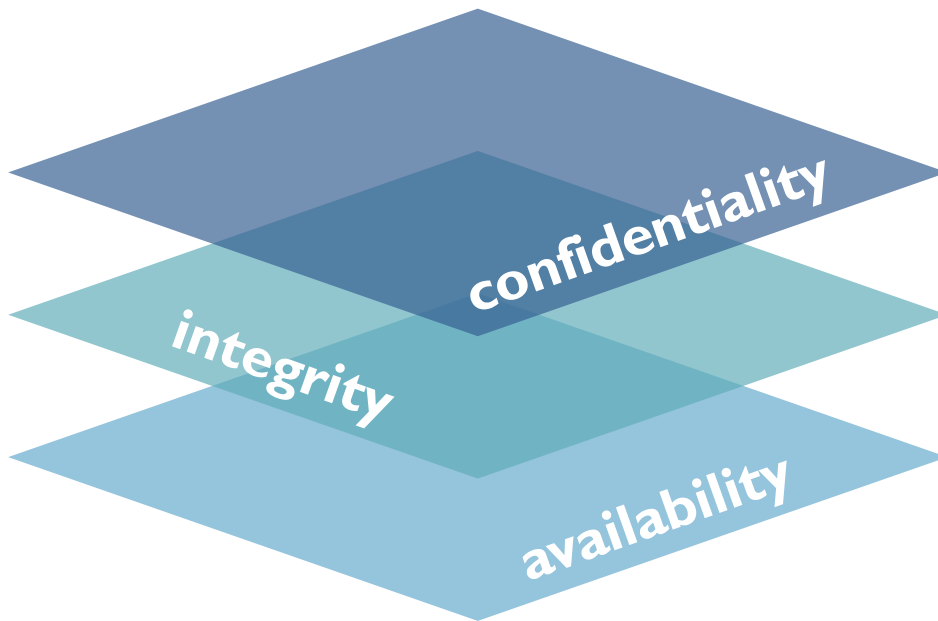
NIST: 800-171

Complexity of a modern small business

- Email
- Mobile devices
- Corporate website
- Social media
- Ecommerce systems
- Online banking
- BYOD and office policy
- Network management
- Backup and remote access



Cybersecurity Objectives



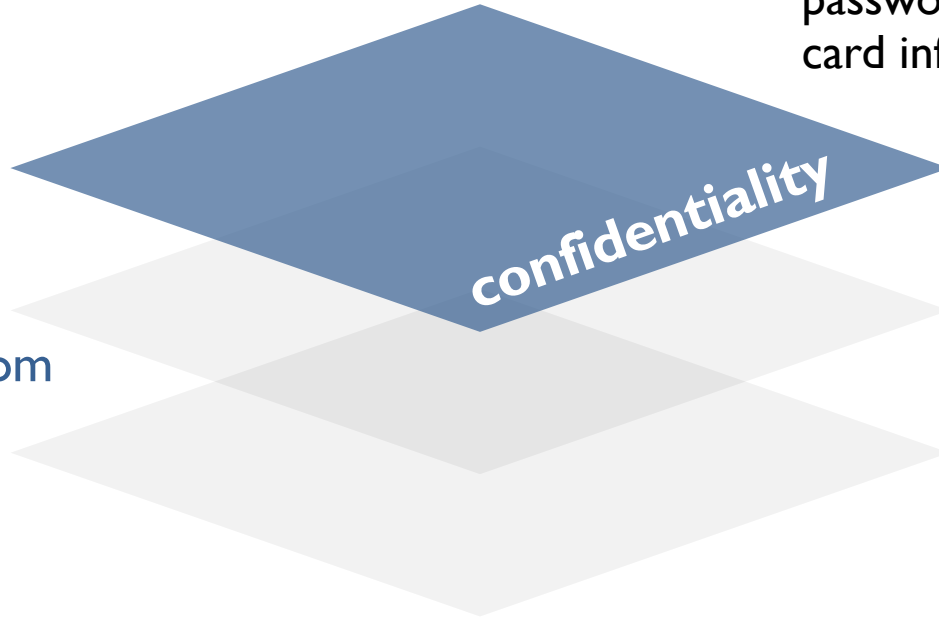
More
NIST Special
Publication
800-12,
revision 1
*An Introduction
to Information
Security*
section 1.4

Confidentiality

Example:

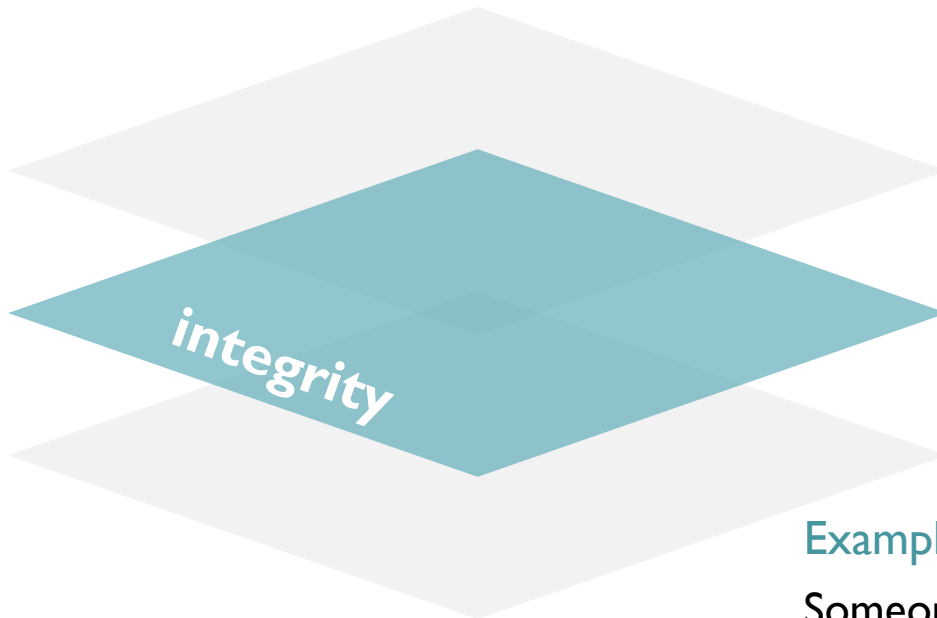
Criminal steals customers' usernames, passwords, or credit card information

Protecting information from unauthorized access and disclosure



Integrity

Protecting
information
from
unauthorized
modification



Example:

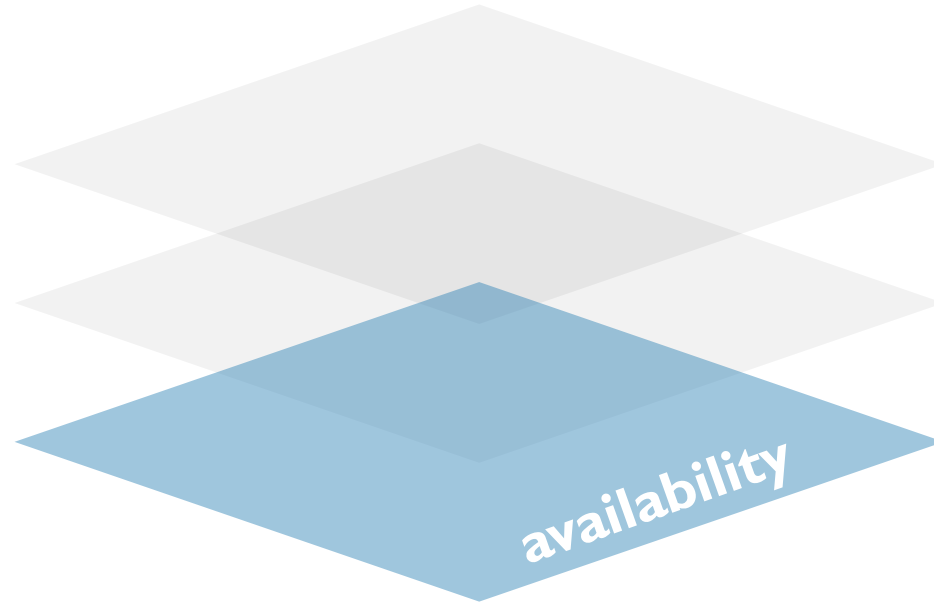
Someone alters payroll
information or a proposed
product design

Availability

Example:

Your customers are unable to access your online services

Preventing disruption in how information is accessed



Small Business, Big Impact

Why put your already limited resources into preparing for and protecting against cybersecurity attacks?

Vulnerability

Attackers can see small businesses as easy targets

Business Costs

Attacks can be extremely costly and threaten the viability of your business

Reputation

Customers and employees expect and trust you to keep their information secure

INNOVATIVE ACQUISITION SOLUTIONS

NSTXL provides end-to-end acquisition support services that attract the best technologies and innovators to meet our client's mission. In FY2020, our clients expect to award more than \$1 billion of work to innovative companies through our OTA vehicles.

[Learn More](#)



INNOVATIVE ACQUISITION

provides end-to-end acquisition support services that attract the best technologies and innovators to meet our client's mission. In FY2020, our clients expect to award more than \$1 billion of work to innovative companies through our OTA vehicles.



Top 10 Crime Types Reported to IC3 in 2017 (by Victim Loss)



2019 CRIME TYPES

By Victim Count

Crime Type	Victims	Crime Type	Victims
Phishing/Vishing/Smishing/Pharming	114,702	Lottery/Sweepstakes/Inheritance	7,767
Non-Payment/Non-Delivery	61,832	Misrepresentation	5,975
Extortion	43,101	Investment	3,999
Personal Data Breach	38,218	IPR/Copyright and Counterfeit	3,892
Spoofing	25,789	Malware/Scareware/Virus	2,373
BEC/EAC	23,775	Ransomware	2,047
Confidence Fraud/Romance	19,473	Corporate Data Breach	1,795
Identity Theft	16,053	Denial of Service/TDoS	1,353
Harassment/Threats of Violence	15,502	Crimes Against Children	1,312
Overpayment	15,395	Re-shipping	929
Advanced Fee	14,607	Civil Matter	908
Employment	14,493	Health Care Related	657
Credit Card Fraud	14,378	Charity	407
Government Impersonation	13,873	Gambling	262
Tech Support	13,633	Terrorism	61
Real Estate/Rental	11,677	Hacktivist	39
Other	10,842		

Interested in submitting a question?

Go to www.slido.com and enter the following event code:

81910

2019 Crime Types *Continued*

By Victim Loss			
Crime Type	Loss	Crime Type	Loss
BEC/EAC	\$1,776,549,688	Employment	\$42,618,705
Confidence Fraud/Romance	\$475,014,032	Civil Matter	\$20,242,867
Spoofing	\$300,478,433	Harassment/Threats of Violence	\$19,866,654
Investment	\$222,186,195	Misrepresentation	\$12,371,573
Real Estate/Rental	\$221,365,911	IPR/Copyright and Counterfeit	\$10,293,307
Non-Payment/Non-Delivery	\$196,563,497	Ransomware	**\$8,965,847
Identity Theft	\$160,305,789	Denial of Service/TDoS	\$7,598,198
Government Impersonation	\$124,292,606	Charity	\$2,214,383
Personal Data Breach	\$120,102,501	Malware/Scareware/Virus	\$2,009,119
Credit Card Fraud	\$111,491,163	Re-shipping	\$1,772,692
Extortion	\$107,498,956	Gambling	\$1,458,118
Advanced Fee	\$100,602,297	Health Care Related	\$1,128,838
Other	\$66,223,160	Crimes Against Children	\$975,311
Phishing/Vishing/Smishing/Pharming	\$57,836,379	Hacktivist	\$129,000
Overpayment	\$55,820,212	Terrorism	\$49,589
Tech Support	\$54,041,053		
Corporate Data Breach	\$53,398,278		
Lottery/Sweepstakes/Inheritance	\$48,642,332		

Interested in submitting a question?

Go to www.slido.com and enter the following event code:

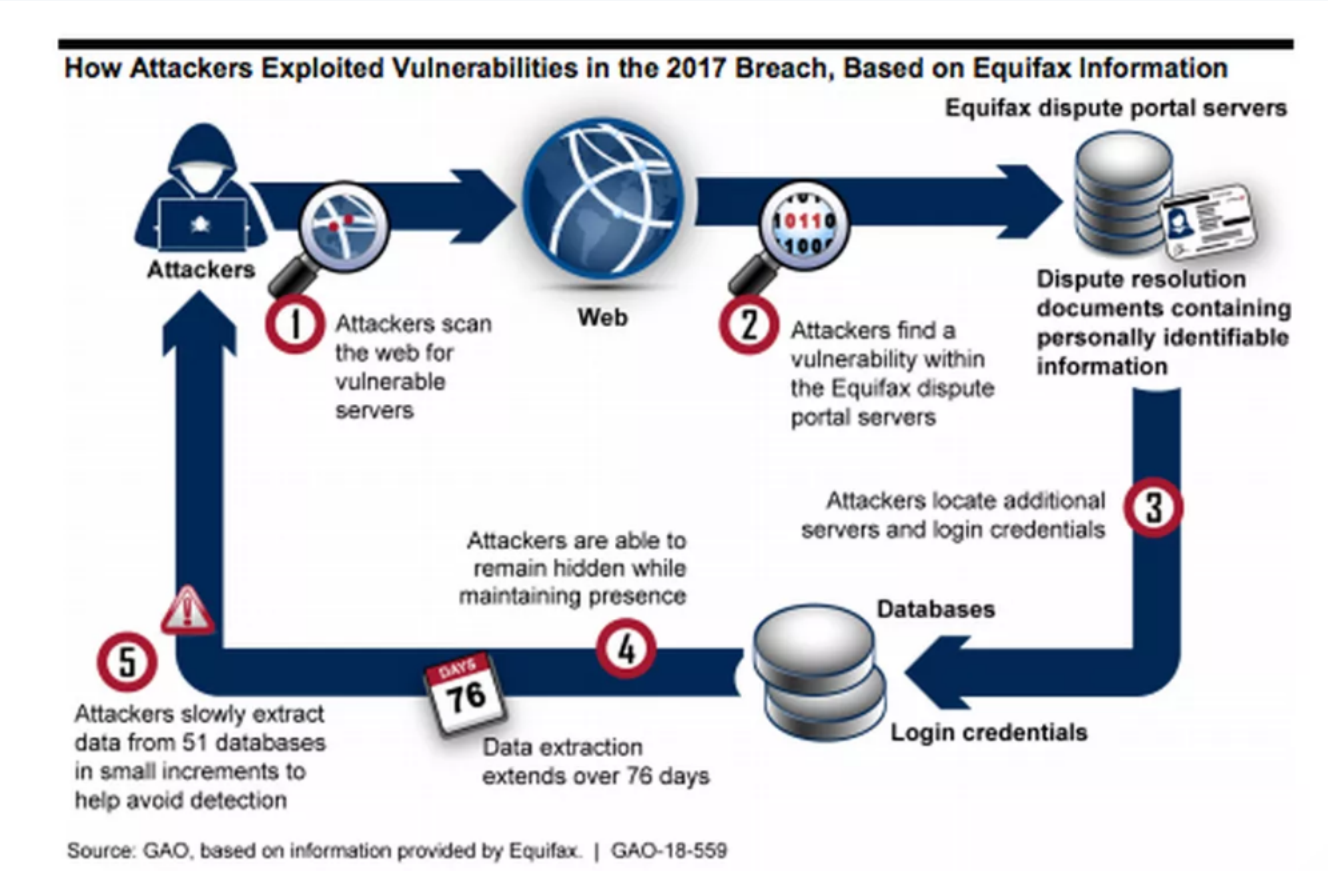
81910

EQUIPOCALYPSE

001,199,620



The Equifax Breach





Who's behind the breaches?

75%

perpetrated by outsiders.

25%

involved internal actors.

18%

conducted by state-affiliated actors.

3%

featured multiple parties.

2%

involved partners.

51%


involved organized criminal groups.



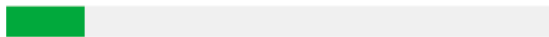
What tactics do they use?

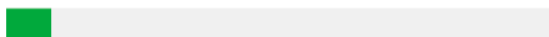
62% 
of breaches featured hacking.

51% 
over half of breaches included malware.

81% 
of hacking-related breaches leveraged either
stolen and/or weak passwords.

43% 
were social attacks.

14% 
Errors were causal events in 14% of breaches.
The same proportion involved privilege misuse.

8% 
Physical actions were present in 8% of
breaches.

Cyber-Espionage

Attacks linked to state-affiliated actors, and/or with the motive of espionage.



Welcome to the long game

A malicious email is the cyber spy's favored way in. But this is no smash and grab. The initial email is typically followed by tactics aimed at blending in, giving the attacker time to collect the data that they need.

What you can do

Throw your weight behind security awareness training and encourage your teams to report phishy emails. Make it difficult for the adversary to pivot from a compromised desktop to other devices on your network.

Insider and Privilege Misuse

Any unapproved or malicious use of organizational resources.



The enemy within

In 60% of cases, insiders abscond with data in the hope of converting it to cash in the future. But sometimes it's a case of unsanctioned snooping (17%), or taking data to a new employer or to start a rival company (15%).

What you can do

Implement limiting, logging and monitoring of use, and watch out for large data transfers and use of USB devices.

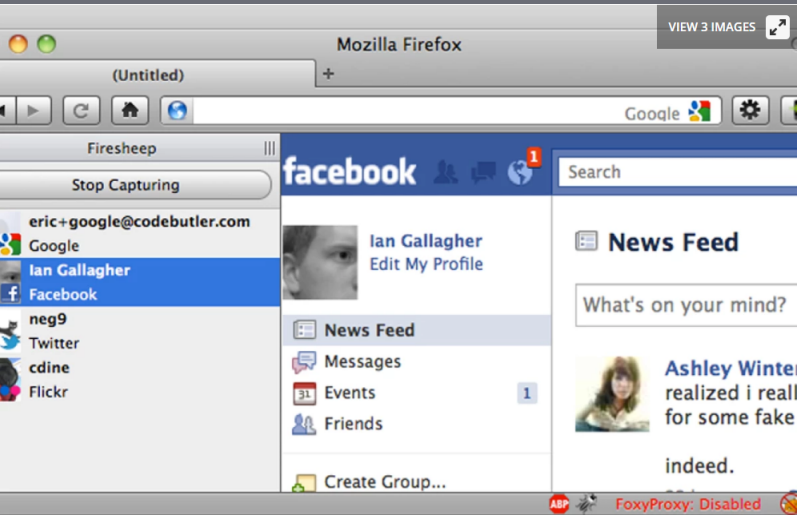


HOW DO THEY GET THE DATA?

Interested in submitting a question?
Go to www.slido.com and enter the following event code:

81910

Hack the WiFi

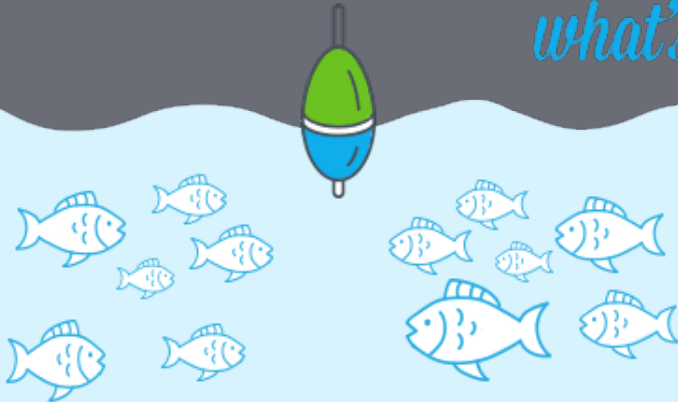


KALI LINUX™

“the quieter you become, the more you are able to hear”

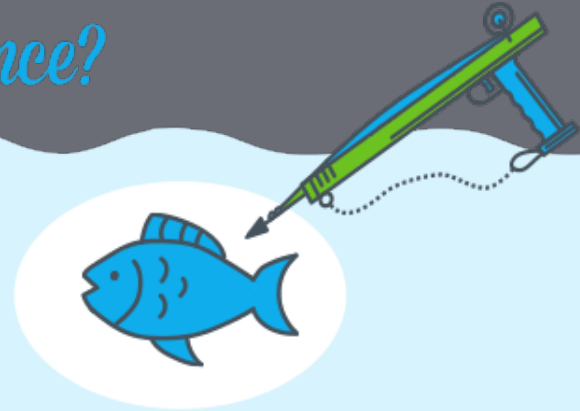
Phishing

what's the difference?



PHISHING

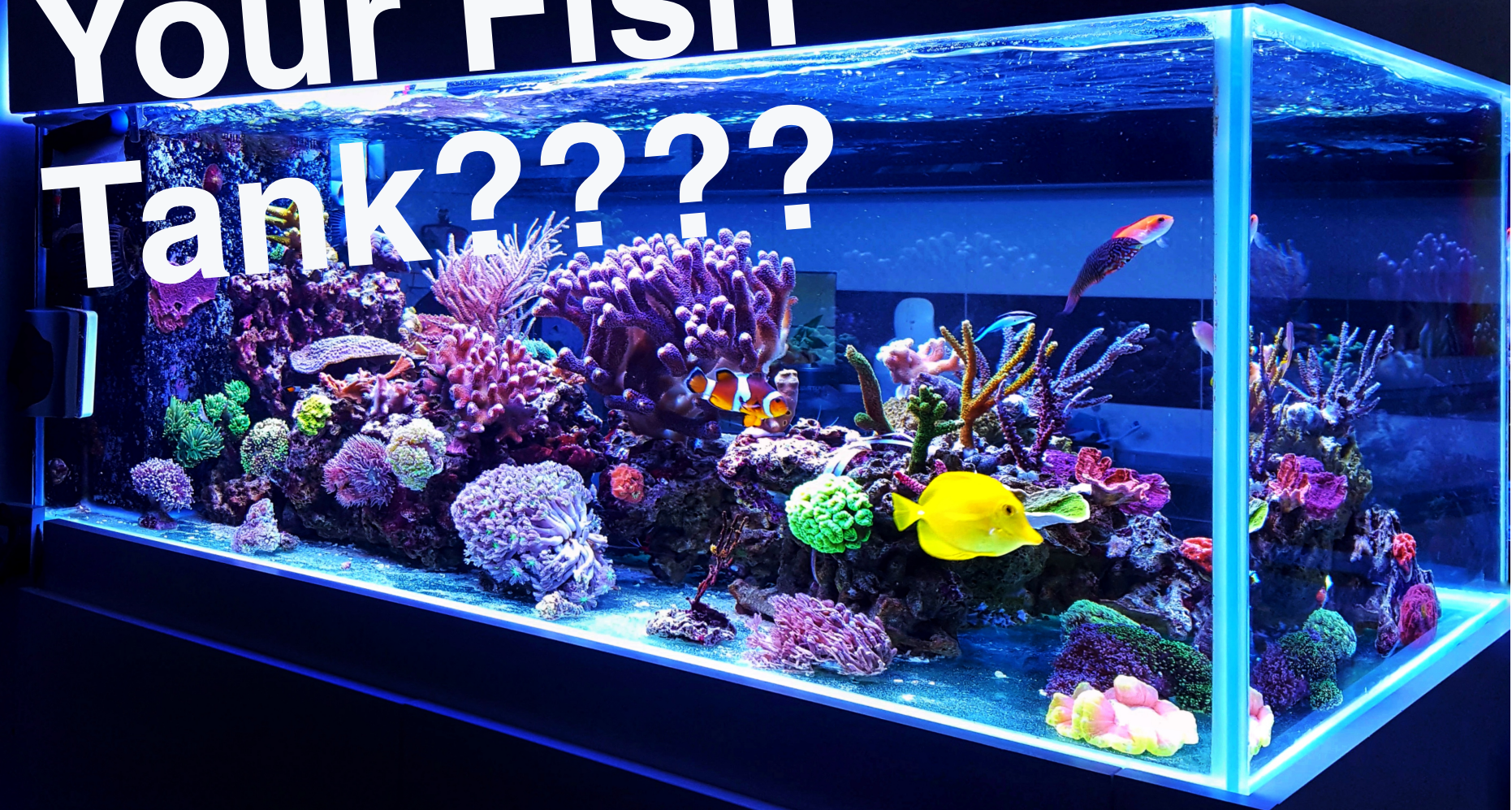
IS A BROAD, AUTOMATED ATTACK
THAT IS LESS SOPHISTICATED.



SPEAR-PHISHING

IS A CUSTOMIZED ATTACK ON A SPECIFIC
EMPLOYEE & COMPANY

Your Fish Tank?????





ACCESS

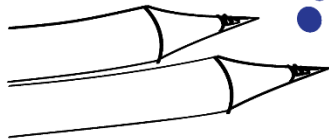
LOGIN



SPYING



FRAUD



SOCIAL

ENGINEERING



PASSWORDS



SECURITY



INFLUENCE



PRETEXT

COSMO “THE GOD”

By the age of 15 he had hacked...

- UFC & Head Coach (SOPA)
- CA//WA//NY//DC
- Papa John’s
- NASDAQ
- CIA
- Twitter
- 4Chan
- 500,000 credit cards released
- Personal data on Michelle Obama and other elected officials





*"You can pretty much do it at any company—
impersonate an agent," he shrugs and smiles.
"Most people will fall for it unless they've been
trained not to. But most companies aren't
doing that."*

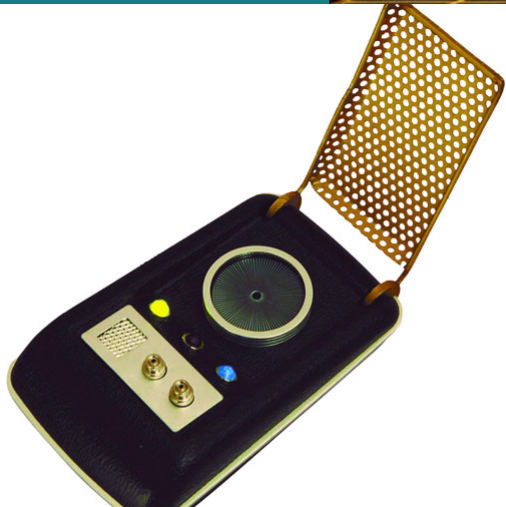
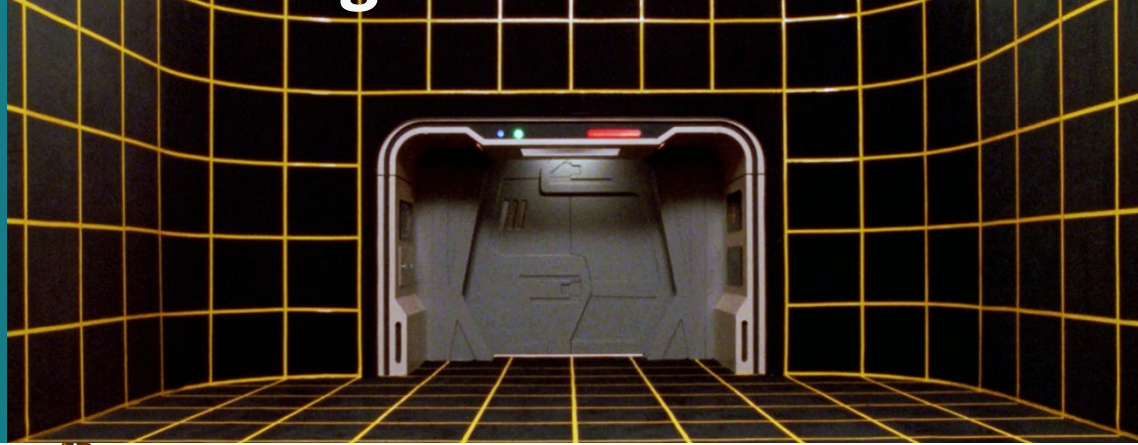
- Cosmo "the god" on Social Engineering

What Else Is Happening?

Deep Fakes



The Age Where Imagination Becomes Reality





Connect

Katie Jones

Russia and Eurasia Fellow

Center for Strategic and International Studies (C

University of Michigan College of Literature, So

Washington · 49 connections

AP

Experts: Spy used AI-generated face to connect with targets

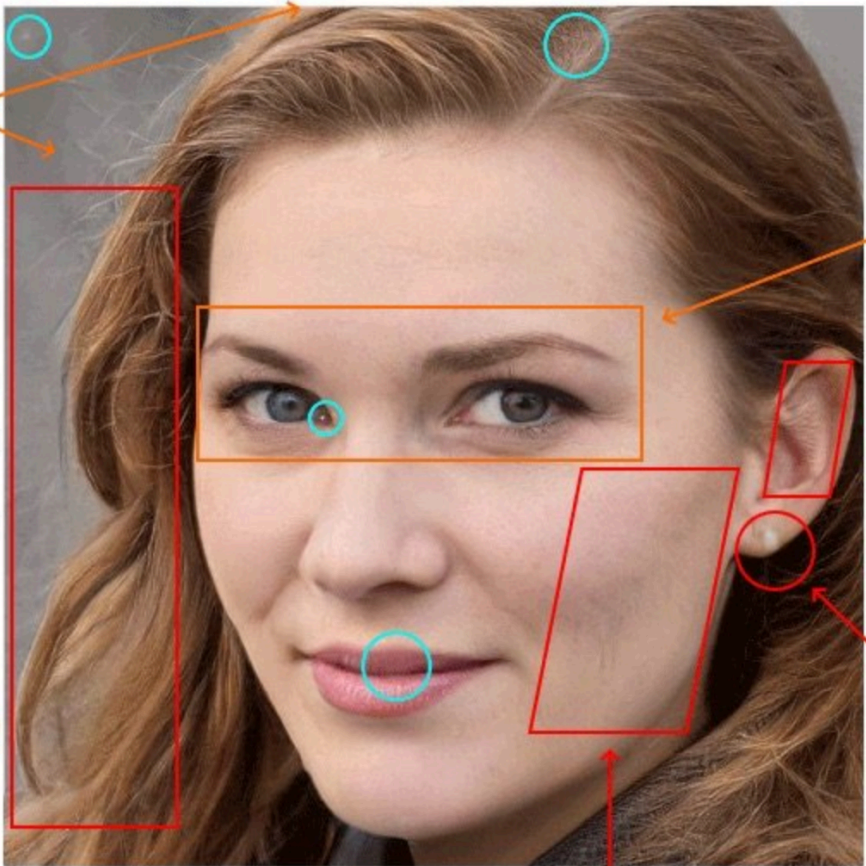
By RAPHAEL SATTER June 13, 2019



Indistinct background, close crop

Other potential artifacts

Halo effect or painterly quality around hair



Smudges/striations/drip marks on cheek

Cockeyed, heterochromatic eyes

Strange scale-like effect on upper earlobe

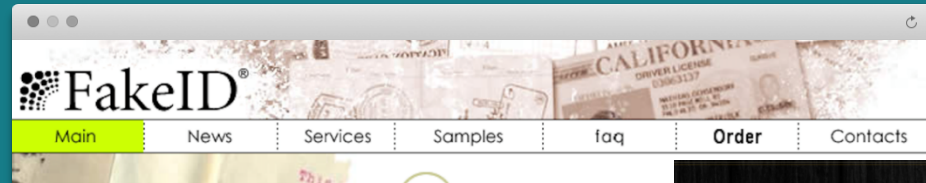
Earring is blurry or melted



Saturday
Night

ENCLOSURE

THEY HAVE IT NOW WHAT?



countfe766hqe4qd.onion

COUNTERFEITING CENTER

NEW LIFE
OFFSHORE ACCOUNTS
FINA
PASSPORT
ALABAMA
VISA
MasterCard

Documents - Decease - Hacking - Travels - Cards/Money Transfer - Offshore - Banknotes - Escrow - Buy Bitcoins

Original Passports
full registered in gov database

Canada/USA/Mexico Passports	0.0966 \$
UK/European Passports	0.0773 \$
New Zealand/Australian Passports	0.1063 \$

Counterfeiting Center.
The original one

Permanent Residency Visa
full registered in gov database

Canada/USA/Mexico Visa + SEN/CRN
0.0966 \$

countfe766hqe4qd.onion

Welcome

Welcome to **Documents Service** - the best producer of quality fake documents, original high-quality fake passports, licenses, ID cards, VISA, MasterCard, for following countries: Australia, Canada, Finland, France, Germany, Netherlands, Norway, Spain, UK, USA and some others.

If you want to learn more about our services, please visit our "Samples". You can find more details and additional details visiting the

Start a new life

New Identity, Passport and Permanent Residency VISA registered

Brazil/Venezuela/Colombia	0.2706 \$
Bahamas/Cuba/Azores	0.2706 \$
Cayman Islands/Jamaica	0.2706 \$
UK/Europe/Russia	0.2126 \$
Canada/USA/Panama/Mexico	0.2706 \$
Australia/New Zealand/Vanuatu	0.2899 \$
Dubai/United Arab Emirates	0.2899 \$

Start a New Life

Original Degrees, Diplomas, Certificates
full registered in records with full transcripts

Diploma (almost any School)	0.0773 \$
Bachelor Degree (almost any University)	0.1063 \$
Master (almost any University)	0.1643 \$
Certificate (any type)	0.0676 \$
Medical prescriptions (N.20 of any drug)	0.0473 \$

Countfe766hqe4qd.onion

ountfe766hqe4qd.onion

COUNTERFEITING CENTER



Documents - Degrees - Hacking - Travels - Cards/Money Transfer - Offshore - Banknotes - Escrow - Buy Bitcoins

Original Passports

full registered in gov database



Canada/USA/Mexico Passports	0.0966 \$
UK/European Passports	0.0773 \$
New Zealand/Australian Passports	0.1063 \$

Counterfeiting Center



Change status in official records



Recover stolen bitcoins from scammers 0.1063 ₿

Clean your criminal records 0.1063 ₿

Fix your credit history and score 0.0773 ₿

Change your status (social, school, etc.) 0.0773 ₿

Ruin a person's life 0.1063 ₿

1 Bitcoin equals

6,669.66 United States Dollar

Apr 3, 4:29 PM UTC · Disclaimer

1

Bitcoin

6669.66

United States Dollar



Data provided by Morningstar for Currency and Coinbase for Cryptocurrency

HOW MUCH IS IT WORTH?

BUSINESS IMPACT OF DATA BREACHES

- ✓ Revenue Loss
- ✓ Damage to Brand Reputation
- ✓ Loss of Intellectual Property
- ✓ Hidden Costs > Delayed Impact
- ✓ Online Vandalism

IMPACT OF DATA BREACHES ON CONTRACTORS

- ✓ Loss of Customer Trust
- ✓ Loss of NPI Customer Data
- ✓ Loss of Influential Responsiveness
- ✓ Loss of Intellectual Property
- ✓ Loss of Grantor Funding



SUMMARY



Want More?



Get a free consultation

By analyzing your current needs, we can help you create standards and leverage best practices to ensure you and your team produce results that last. Whether it's consulting, training, or ongoing support, we're here for you.

Get set up today! Email us at Contact@Advisicon.com

Audience Questions?

Interested in submitting a question?

Go to www.slido.com and enter the following event code:

81910



2020 Cybersecurity Webinar Series:
**Identifying Opportunities to
Resolve Your Security Gaps**

August 18, 2020

Brought to you by



2020 Cybersecurity Webinar Series:

Taking Action to Mitigate Security Issues and Achieve NIST Compliance

September 15, 2020

Brought to you by





ADVISICON

“Helping You Build A Project Management Culture.”

Contact us:



5411 NE 107th Ave, Vancouver, WA



866.362.3847



Contact@Advisicon.com

Follow us on:

facebook.com/Advisicon



@Advisicon



youtube.com/Advisicon





Thank you!

If you have any questions,
please email membership@nstxl.org.