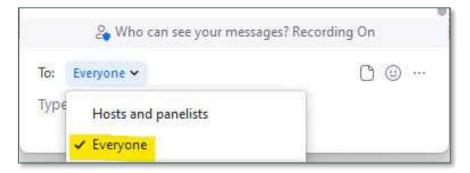


# WELCOME TO THE WEBINAR

# Thank you for joining us. We will begin in a moment.

Your mic will be muted and your video will be off as a webinar attendee. If you have questions please type in Q/A. If you would like to chat please use the Chat box – please send to "Everyone" when doing so!



If you are experiencing sound issues please check to see if your volume is up on your computer and that you are connected to either computer or phone audio.







# THIS WEBINAR IS BROUGHT TO US BY





### **ONE-ON-ONE COUNSELING**



### WORKSHOP & WEBINARS



LOAN READINESS SERVICES



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# **Your Instructor**

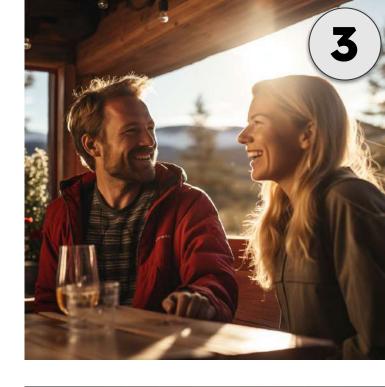
# Tom Jacobson

- Founder, AreWeSafeYet.net
- 10+ years helping non-profits, businesses, and individuals
- Graduate of Leadership Mendocino (class XXI)
- Participant in 1st Startup
   Mendocino (3rd place winner!)







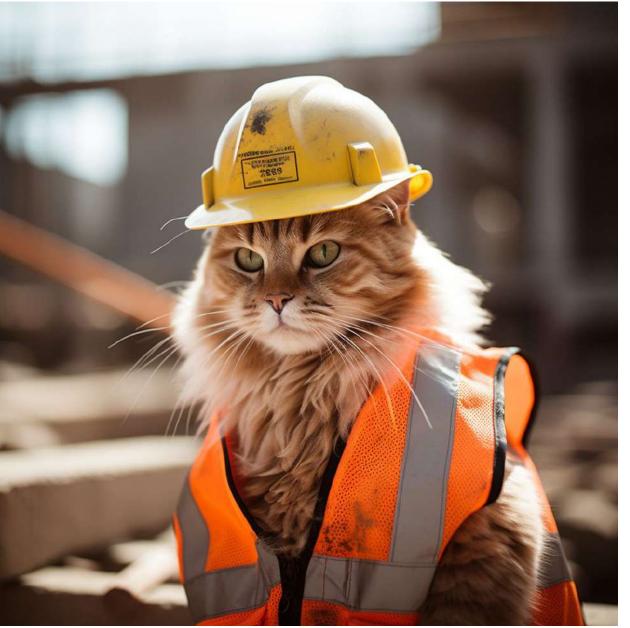












Real - maybe Fake!



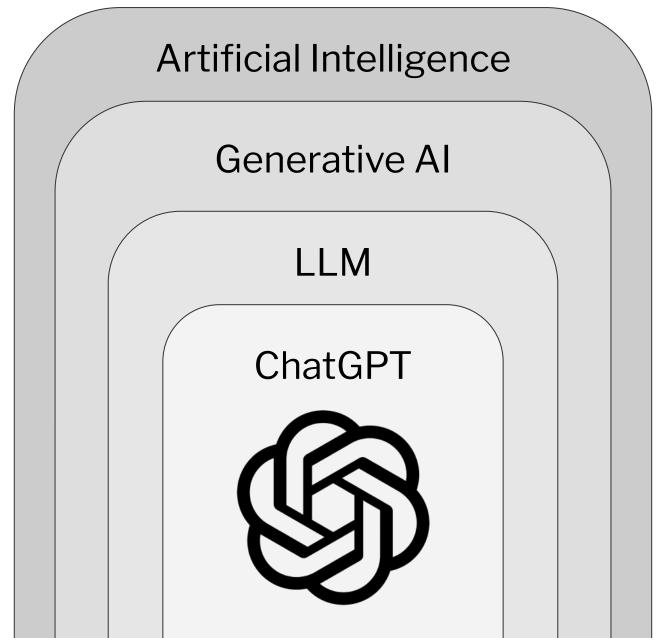


"On the Internet, nobody knows you're a dog."

©The New Yorker Collection 1993 Peter Steiner From cartoonbank.com. All rights reserved.



# Al in 60 Seconds (or less!)





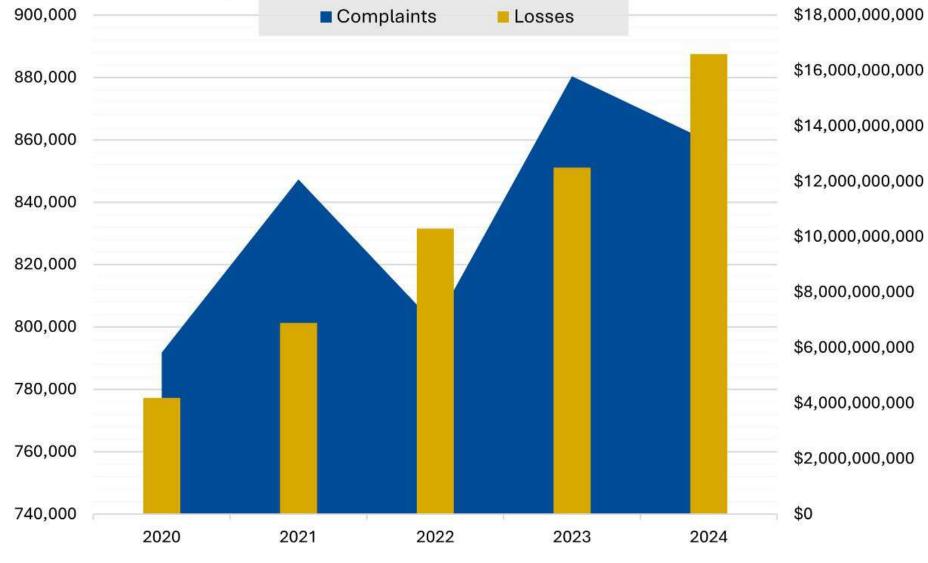
# **Cybersecurity in the Age of Al**

What could possibly go wrong?



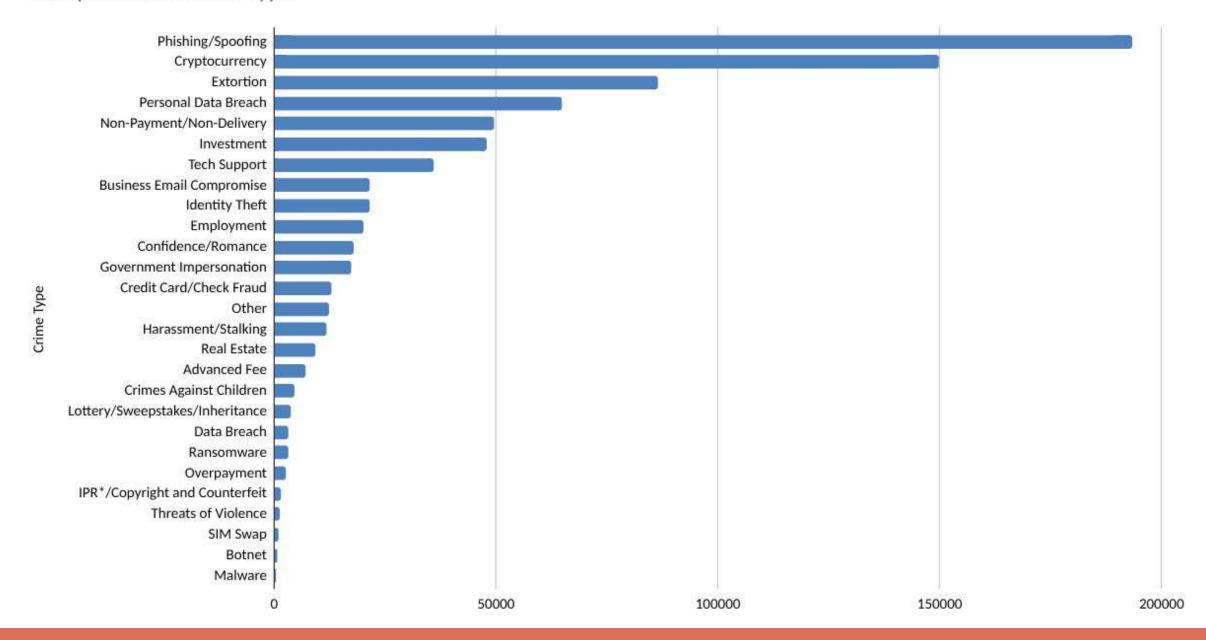


### **Complaint and Loss Trends since 2020**



Source: 2024 FBI IC3 Report

#### Complaints vs. Crime Type





BY COMPLAINT LOSS			
Crime Type	Loss	Crime Type	Loss
Investment	\$6,570,639,864	Extortion	\$143,185,736
<b>Business Email Compromise</b>	\$2,770,151,146	Lottery/Sweepstakes/ Inheritance	\$102,212,250
Tech Support	\$1,464,755,976	Advanced Fee	\$102,074,512
Personal Data Breach	\$1,453,296,303	Phishing/Spoofing	\$70,013,036
Non-Payment/Non-Delivery	\$785,436,888	SIM Swap	\$25,983,946
Confidence/Romance	\$672,009,052	Overpayment	\$21,452,521
Government Impersonation	\$405,624,084	Ransomware *	\$12,473,156
Data Breach	\$364,855,818	Harassment/Stalking	\$10,611,223
Other	\$280,278,325	Botnet	\$8,860,202
Employment	\$264,223,271	IPR/Copyright and Counterfeit	\$8,715,512
Credit Card/Check Fraud	\$199,889,841	Threats of Violence	\$1,842,186
Identity Theft	\$174,354,745	Malware	\$1,365,945
Real Estate	\$173,586,820	Crimes Against Children	\$519,424

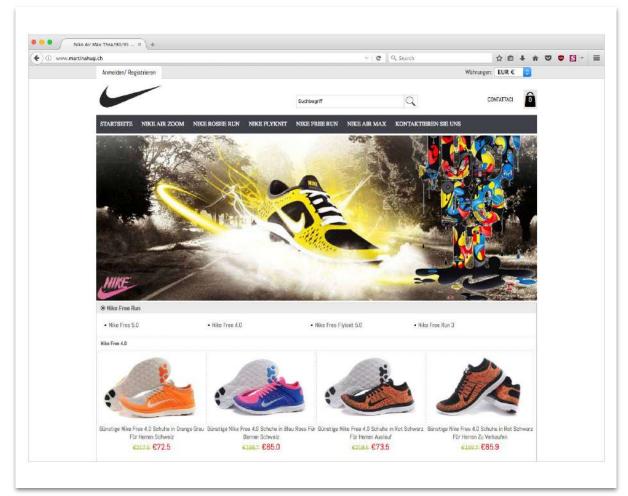
### WWW.WESTCENTER.ORG



# **Non-Delivery Scams**

AKA, you don't get what you paid for!







# Non-Delivery Scams: Red Flags

- Bargain-basement prices
- Shoddy website design or sloppy English
- Limited or suspicious contact options
- Weird URLs
- Social media posts that appear to offer vouchers or gift cards

- Sellers who say they are out of the country on business, family emergencies, etc.
- Buyers who request their purchase be shipped using a certain method to avoid customs or taxes inside another country

www.aarp.org and https://fbi.gov



# **Startup Scam Quiz #1**



- Online retailers like Amazon and eBay will request your login information to provide customer support.
  - FALSE If there is a problem with your account, retailers like Amazon or eBay will email you and direct you to log into your account and handle the problem within the platform.

Text: <u>www.aarp.org</u> Photo: <u>https://unsplash.com/@braydona</u>

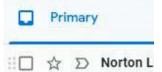


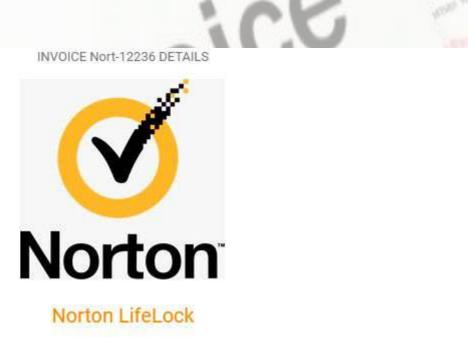
# **Invoice Scams**

"I didn't order that!"

- You receive an "invoice" for goods or services you never ordered
  - The amount is prominently displayed...
  - ...just enough to alarm and anger you
  - ...but not enough to make you think it's a scam
- A helpful phone number is provided "in case you have any questions or concerns"
- The whole point of the scam is to get you to call the listed number!
  - Scammers will try to install malware on your system...
  - ...or get your bank account information...
  - ...or both!







181.42

\*atement Total



### Dear Customer,

We have received your order.

We are much obliged to inform you that your order has been auto-renewed. We have charged you an amount of \$385.88 for Norton LifeLock.

You can call our customer service team for a refund- +1-650-456-0438.

\_\_\_\_\_

#### Notes:

- 1. Your account has been auto-debited and the charge will appear on your bank account in the next 24 hours.
- 2. Please retain the copy of Invoice as the proof of your service for 1 year. If you have any questions or queries about your order then see the help document!

Steve R Hughes

Billing Team

+1-650-456-0438.



#### INVOICE

#### TIFFANY CANIDATE

TIFFANY CANIDATE 613 S Shelfer St, Quincy, FL 32351 opley198gos@outlook.com

Invoice No#: 8398

Invoice Date: Apr 27, 2022 Due Date: Apr 27, 2022



\$279.88 AMOUNT DUE

181.43

Natement Total

#### **BILL TO**

Evenson

#	ITEMS & DESCRIPTION	QTY/HRS	PRICE	AMOUNT(\$)
1	Bit-coins Payments	1	\$279.88	\$279.88
	HI I I I I I I I I I I I I I I I I I I			

### Bit-coins Payments

Hi Thank you for using Our Services We wanted to remind you that you?e chosen the automatic renewal option. Your subscription will be renewed for 257.88 onWednesday, April 27,2022. If you wish to stick to your current plan, no action is required. If your billing information has changed, you can update your payment details here. Our entire team is dedicated to ensuring your Service experience is first-rate. If you have any questions, concerns, or suggestions, simply Call Us on+1-(888) 447-7786 Thanks,

Generic greeting

You can simply reach out to our customer support team at +1-(888) 447-7786



# Invoice Scams: Red Flags 🚩

- Urgent
- Unexpected
- Emotional Response
- Reality Check = FAIL
- Verify "Out of Band"
- Big Names = Big Trouble!





# **Startup Scam Quiz #2**







- Peer-to-Peer payment apps like Cash App, Zelle, or Venmo have the same consumer protections as your credit card.

Text: <u>www.aarp.org</u> Photo: <u>https://unsplash.com/@braydona</u>



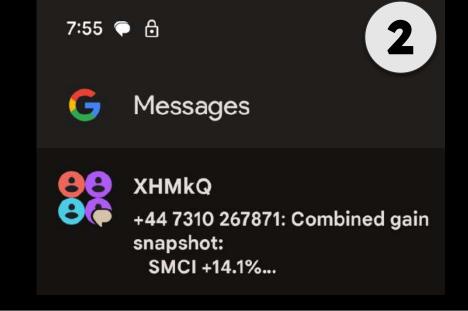
(906) 319-8807 · Messages · now

EMERGENCY **NOTICE**: EZPass **Tolls** Not **Paid** - **Must** Pay by **May 8**, 2025

Your EZPass account balance is \$9.50.
This is your official final notice under
Section 510(4-e) of the Safe Passing and
Transportation Act. If you do not pay after
May 8, 2025, you will face:

**DMV Registration** Suspension: **Your** registration **will** be **canceled** and **your** vehicle ...







# **Business Email Compromise (BEC)**

BEC = Fraud (through email, SMS, etc.)

"Business Email Compromise (BEC): BEC is a scam targeting businesses or individuals working with suppliers and/or businesses regularly performing wire transfer payments. These sophisticated scams are carried out by fraudsters by compromising email accounts and other forms of communication such as phone numbers and virtual meeting applications, through social engineering or computer intrusion techniques to conduct unauthorized transfer of funds."

→ Source: Internet Crime Complaint Center (IC3.gov)



### **HOW MUCH DOES IT COST?**

- Amounts range from a few thousands into the tens of millions
- The amount lost per attack varies greatly
- Estimated 2024 BEC losses were over 2.7 billion dollars



# \$2.7 BILLION IS A LOT OF \$\$\$







### LET'S LOOK AT THE DETAILS



#### Complaint Referral Form Internet Crime Complaint Center

◆ Which of the following were used in this incident? (Check all that apply.)
 ■ Spoofed Email
 ■ Similar Domain
 ■ Email Intrusion
 ■ Other Please specify:

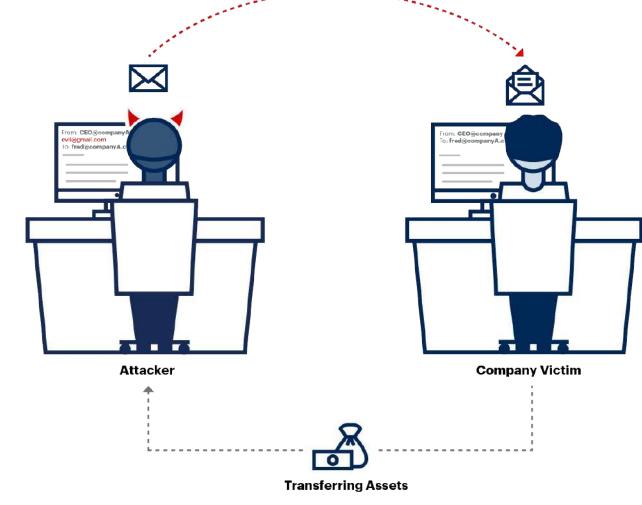
Source: Internet Crime Complaint Center (<a href="https://complaint.ic3.gov">https://complaint.ic3.gov</a>) run by the FBI

- **Spoofed Email** = Spam, Phishing Email, altered to look like it's from someone you trust
- **Similar Domain** = ebya.com instead of ebay.com, deceptive or forged site
- **Email Intrusion** = attacker has access to your email account or email system



# **EXTERNAL SPOOFED EMAIL**

- Most common form of BEC
- If you're not paying attention, watch out!



Source: Gartner 716389 C

Gartner.



From: Our CEO <ceooffice2011@mailbox.org>

Sent: Tuesday, January 8, 2019 6:33 PM

To: Employee < employee@mycompany.com >

Subject: Re: [No Subject]

Okay, Will need 9 pieces of Google play gifts card at \$100/each, = (\$900). You can get them at any Target, Walmart or CVS around you. Gently scratch-off silver lining at the back for the pin codes. Send a clear picture of the pin codes on each cards to 740-561-1397. Let me know once the task is complete.

On January 9, 2019 at 3:27 AM Employee <a href="mailto:employee@mycompany.com">employee@mycompany.com</a> wrote:

Yeah that's no problem. How many do you need, what amount, and what type of gift card?

On Jan 8, 2019 6:14 PM, Our CEO < Our CEO@mycompany.com > wrote:

Okay, I need physical Gift cards purchased, can you make this happen? If so, let me know if you can pick up from the nearest store so I can advise the quantity and domination to procure. You can turn in the expense report when you are done with the purchase.

On January 9, 2019 at 3:08 AM Employee employee@mycompany.com wrote:

Sorry, I'm at dinner with Terri I'll be available in about 20 minutes though. What can I do for you?

On Jan 8, 2019 6:06 PM, Our CEO OUR CE

Sent from a Mobile Device

### WWW.WESTCENTER.ORG



From: Our CEO <ceooffice2011@mailbox.org>

Sent: Tuesday, January 8, 2019 6:33 PM

To: Employee < employee@mycompany.com >

Subject: Re: [No Subject]

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On Jan 8, 2019 6:06 PM Our CEO Our CEO Our CEO our CEO wrote:

Are you available for a quick task?

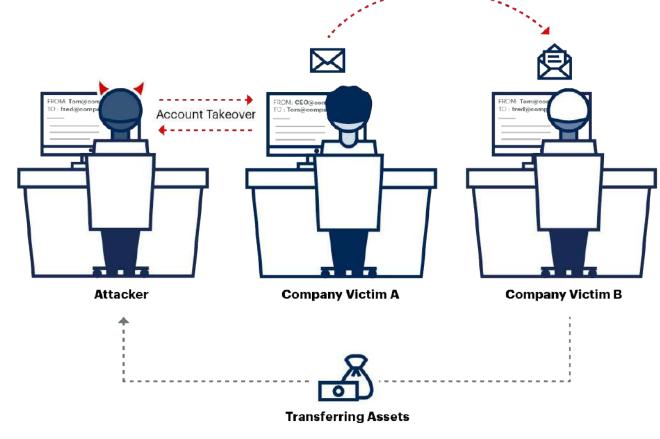
Sent from a Mobile Device

### WWW.WESTCENTER.ORG



# **ACCOUNT TAKEOVER (INTERNAL VICTIM)**

- This is much more serious.
- If someone can send out
   (seemingly) legitimate emails
   from your account to your
   organization, the sky's the limit.



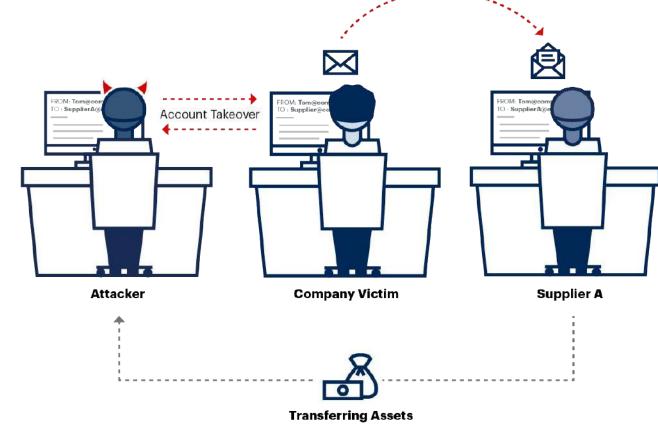
Source: Gartner 716389 C

**Gartner** 



# **ACCOUNT TAKEOVER (EXTERNAL VICTIM)**

- Just like account takeover, only instead of sending emails internally the attacker sends email to your contacts.
- You have probably received an email from someone whose account was compromised.



Source: Gartner 716389 C

**Gartner** 



# ACCOUNT TAKEOVER REAL LIFE EXAMPLE

- This email looks legit because it is it was sent from the (compromised) email account of Mr. McLucas.
- He probably lost control of his email account through a phishing email similar to this one
- The CEO of a local non profit was the recipient of this one
- I called him. He sounded tired.

From: Charles McLucas [mailto:cmclucas@ctai-ca.com]

**Sent:** Wednesday, March 11, 2020 10:32 AM **Subject:** Charitable Trust Administrators, Inc.

#### **Good Morning**

Please see above document from Charitable Trust Administrators, Inc. for your review and let me know if you have any concerns.

Charles J. McLucas, Jr. CPA/PFS/AEP/CKA

Charitable Trust Administrators, Inc.

903 Calle Amanecer, Suite 230

San Clemente, CA 92673

cmclucas@ctai-ca.com

www.ctai-ca.com





### PDF = HARMLESS?



Charitable Trust Administrators, Inc..pdf









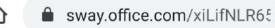
Charles J. McLucas, Jr. CPA/PFS/AEP/CKA (cmclucas@ctai-ca.com) has shared a document with you on behalf of Charitable Trust Administrators, Inc.





# THIS LOOKS LEGIT, **DOESN'T IT?**

- This site looks legit because it is it's a real Microsoft site.
- At this point we're all thinking, come on already! Where's the document?











Charles J. McLucas, Jr. CPA/PFS/AEP/CKA (cmclucas@ctai-ca.com) has shared a document with you on behalf of Charitable Trust Administrators, Inc.

**Read Now** 

#### Made with Microsoft Sway

Create and share interactive reports, presentations, personal stories, and more.













### THIS IS DEFINITELY **NOT LEGIT!**

- iger-ra.eu-gb.mybluemix.net





- Impatient to access the "document", it's easy to miss the only red flag here - the non-Microsoft URL (mybluemix.net)
- Each email has a completely unique URL so virus scanners have a hard time detecting it



#### Sign in

to continue to Outlook

Email address, phone number, or Skype

No account? Create one!

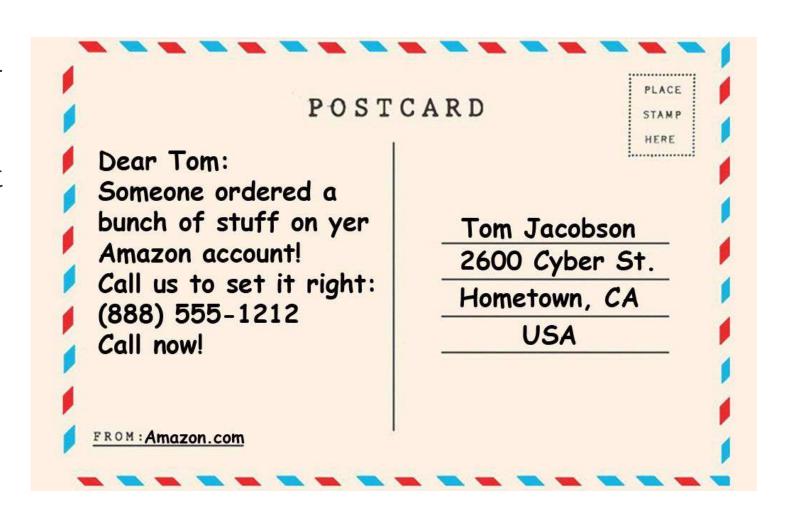
Can't access your account?

Sign-in options



#### **EMAIL - YOUR #1 ATTACK VECTOR**

- For most of us email is the #1 attack vector we face.
- The problem isn't even about hardware or software – it's about us!
- It comes down to trust.





# **BEC Phishing Email Example [1]**

Subject: Confirmation of Invoice Receipt and Upcoming Payment

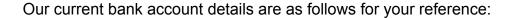
From: John Doe johndoe@legitimatecompany.com

To: finance@victimizedcompany.com

Dear Finance Team,

I trust this message finds you well. I'm writing to confirm that we have received your acknowledgment of the invoices so appreciate your timely attention to these matters.

As per our agreement, the payment is due by the end of this month. Please proceed with the transfer using our usual b to our banking information.



Bank Name: [Original Bank Name]

Account Number: [Original Account Number] Routing Number: [Original Routing Number]

Account Holder: [Original Account Holder's Name]

We value our ongoing partnership and look forward to continuing our successful collaboration. If there are any issues or additional paperwork needed for the payment processing, please let me know as soon as possible.

Thank you once again for your prompt action and for being a valued client.

Best regards,

John Doe Sales Director





# **BEC Phishing Email Example [2]**

Subject: Re: Confirmation of Invoice Receipt and Upcoming Payment

From: John Doe johndoe@bogusdomain.com (Note: This email address imitates a known contact but uses a differer

To: finance@victimizedcompany.com

Dear Finance Team,

I hope this email finds you well. I am writing to inform you of an important update regarding the payment details for the banking issue, we have had to change our bank account details.

Please note the **new bank account details** as follows:

Bank Name: [New Bank Name]

Account Number: [New Account Number] Routing Number: [New Routing Number]

Account Holder: [New Account Holder's Name]

It is imperative that this change is reflected in your payment process immediately to avoid any disruption in our service delivery. Please ensure that all future payments are directed to this new account.

We apologize for any inconvenience this may cause and appreciate your prompt action on this matter.

If you have any questions or need further clarification, do not hesitate to contact me directly.

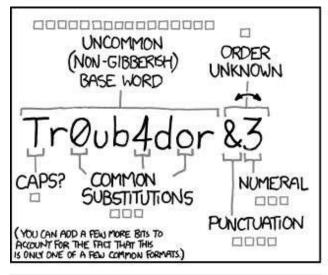
Warm regards,

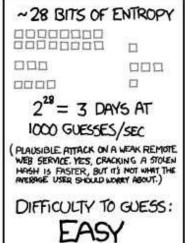
John Doe Sales Director

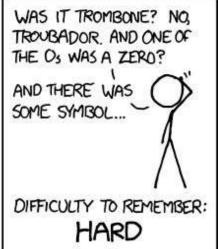


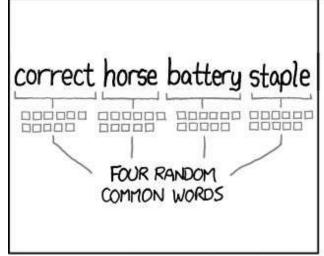


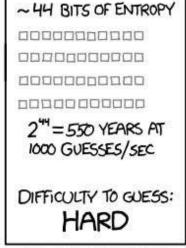
# **Passwords Are Here to Stay**

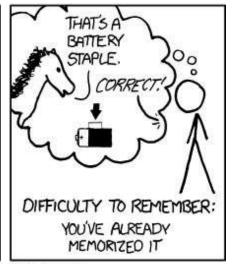








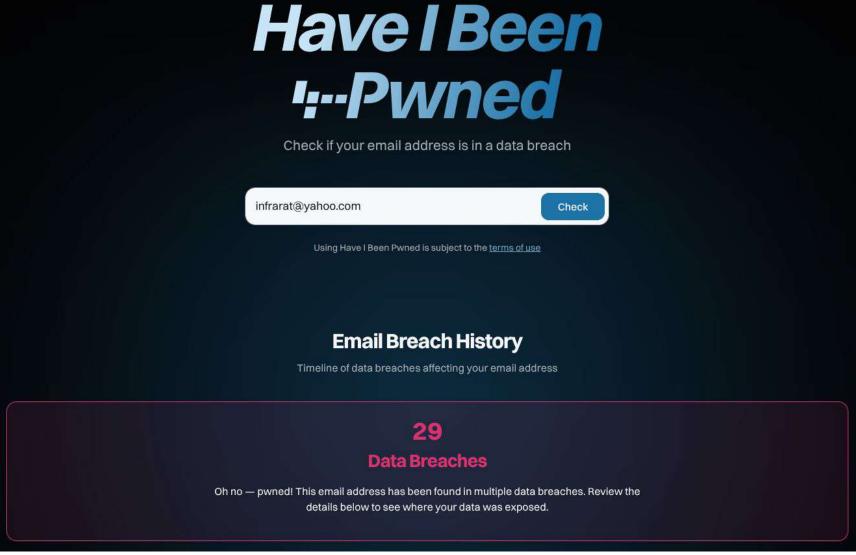




THROUGH 20 YEARS OF EFFORT, WE'VE SUCCESSFULLY TRAINED EVERYONE TO USE PASSWORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EASY FOR COMPUTERS TO GUESS.



# **Passwords Are Here to Stay**



https://haveibeenpwned.com/



## **Passwords Are Here to Stay**

- The <u>single most important thing</u> you can do to improve your online security is to have **unique**, **randomized** passwords for every account.
- Unique means that no two accounts have the same password.
- Randomized means that the password is not based on a pattern and is not predictable.
- The correct answer to the question, "What is your password?" should always be, "I don't know."
- Spoiler Alert: It is not possible to have unique, randomized passwords for every account without using a Password Manager.



### What's the Passphrase?



# USE A PASSPHRASE

https://www.useapassphrase.com/

Generate a passphrase or test your password's strength (we don't store or transmit these):

#### resilient subtly surprise tycoon

Approximate Crack Time: 2,353,308 centuries

Four-word passphrase, with spaces

Generate New Passphrase

#### Halt! What's the Passphrase?

https://halt-whats-the-passphrase.replit.app/

AttemptLandingNeatly

Regenerate Passphrase

Copy

Length:

20



# Questions?

# Meanwhile, please fill out this short survey —

We use your responses to better serve your business needs

Write to us! events@westcenter.org

#### California Women's Business Centers



MISSION COMMUNITY SERVICES CORP. WOMEN'S
BUSINESS CENTER

201 New Stine Rd #300, Bakersfield, CA 93309,
USA
Phone: (805) 595-1357

WOMEN'S ECONOMIC VENTURES

21 E Canon Perdido St, Santa Barbara, CA 93101,

USA

Phone: (805) 965-6073

Website: www.mcscorp.org

Website: www.wevonline.org

ASIAN PACIFIC ISLANDER SMALL BUSINESS
PROGRAM WBC

231 E 3rd St G106, Los Angeles, CA 90013, USA
Phone: (213) 473-1603

Website: www.apisbp.org/womens-business-

PACE WOMEN'S BUSINESS CENTER

1055 Wilshire Blvd #900B, Los Angeles, CA 90017,

USA

Phone: (213) 353-9400

Website: www.pacela.org

INLAND EMPIRE WOMEN'S BUSINESS CENTER

1003 E Cooley Dr #109, Colton, CA 92324, USA Phone: (909) 890-1242

Website: www.iewbc.org

INLAND EMPIRE WOMEN'S BUSINESS CENTER
3780 Market Street, Riverside, CA 92501, USA
Phone: (909) 890-1242
Website: www.iewbc.org

SAN DIEGO & IMPERIAL WOMEN'S BUSINESS
CENTER

880 National City Blvd, National City, CA 91950,
USA
Phone: (619) 216-6719

Website: www.sandiegowbc.org

23 E Beach St. Watsonville, CA 95076. USA
Phone: (831) 722-1224
Website: www.elpajarocdc.org

NEW WOMEN'S BUSINESS CENTER
7500 Alabama Ave, Canoga Park, CA 91303, USA
Phone: (212) 483-2060 ext. 401
Website: www.new-wbc.org

19 NEW WOMEN'S BUSINESS CENTER
6946 Van Nuys Blvd #220, Van Nuys, CA 91405,
USA
Phone: (212) 483-2060 ext. 401
Website: www.new-wbc.org

NEW WOMEN'S BUSINESS CENTER

817 E Ave Q-9, Palmdale, CA 93550, USA

Phone: (212) 483-2060 ext. 401

Website: www.new-wbc.org

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Northern California Small Business Development Centers Network consists of 18 client service centers across 36 counties helping small businesses with every aspect of business and financial planning, creation and growth, management and operation.



#### NORTHERN CALIFORNIA SBDC REGIONAL CENTERS

NorCal SBDC Lead Center

416 3rd Street Eureka, CA 95503 Ph; 833-ASK-SBDC

NorCal SBDC Finance Center

705 Gold Lake Drive Suite 250 Folsom, CA 95630 Ph: 833-ASK-SBDC

**Tech Futures Group** 

2120 University Ave Berkeley, CA 94704 Phone: 415-494-7232

Hispanic Satellite SBDC

1887 Monterey Road San Jose, CA 95112 Ph: 408-385-9800 Alameda County SBDC 39399 Cherry St.

Newark, CA 94560 Ph: 510-516-4118

Butte College SBDC

2480 Notre Dame Blvd. Chico, 95928 Ph: 530-895-9017

Capital Region SBDC

One Capitol Mall Suite 700 Sacramento, CA 95814 Ph: 916-319-4268

Contra Costa SBDC 4071 Port Chicago Hwy

Concord, CA 94520 Ph: 925-671-4570

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185 East Church St. Ukiah, CA 95482 Ph: 707-964-7571

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Napa-Sonoma SBDC – Sonoma

141 Stony Circle, Ste 110 Santa Rosa, CA 95401 Ph: 707-595-0060

North Coast SBDC

Prosperity Center 520 E Street Eureka, CA 95501 Ph: 707-445-9720

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56 S. Lincoln Street Stockton, CA 95203 Ph: 209-954-5089

San Mateo SBDC

1700 W. Hillsdale Boulevard College Center Building 19 Room 111 San Mateo, CA 94402 Ph: 650-395-9130

Santa Cruz SBDC

6500 Soquel Drive Building 2100C Aptos, CA 95003 Ph: 831-479-6136

Shasta-Cascade SBDC

5800 Airport Road Redding, CA 96002 Ph: 530-222-8323 Silicon Valley SBDC

1887 Monterey Road Suite 215 San Jose, CA 95112 Phone: 408-385-9800

Sierra SBDC

10183 Truckee Airport Road Suite 202 Truckee, CA 96161 Ph: 530-582-4800

Siskiyou SBDC

1512 S. Oregon Street Yreka, CA 96097 Ph: 530-842-1638

Solano SBDC

500 Chadbourne Road Fairfield, CA 94534 Ph: 707-646-1071

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# THANKYOU









We have two locations to serve you:

345 N. Franklin St. Fort Bragg, Ca 95437

185 E. Church St. Ukiah, Ca 95482

Contact us for more information at:

Phone: 707 964 7571 events@westcenter.org

Follow us on socials! @westbizcenter