

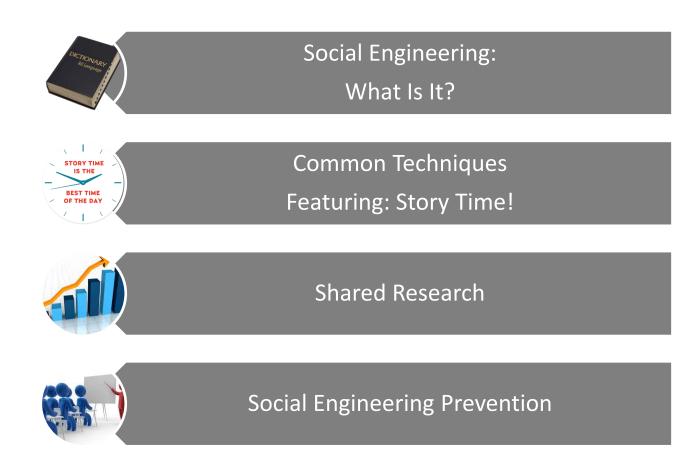
Social Engineering: Strategies, Controls, and Impact

Jude Viator, CIA, CISA, CRISC iviator@pncpa.com – 225.408.4493

assurance - consulting - tax - technology - pncpa.com

Postlethwaite & Netterville, A Professional Accounting Corporation







Social Engineering: Definition



Social Engineering: What Is It?

Social engineering, in the context of information security, refers to psychological manipulation of people into performing actions or divulging confidential information. A type of confidence trick for the purpose of information gathering, fraud, or system access, it differs from a traditional "con" in that it is often one of many steps in a more complex fraud scheme.

The term "social engineering" as an act of psychological manipulation is also associated with the social sciences, but its usage has caught on among computer and information security professionals.



- Per Wikipedia from "Social Engineering: a guide to building dependable distributed systems"



Pre-Attack Reconassiance

	(Google		
UnionBank Descar Dominguez Grand Trust Stevenson Ranch Office 3620 Lyons Avenue Newhall, CA 91321 oscar.dominguez@unionbank.com	Tel. 661 287 6380 Fax 661 287 6374 Tel. 661 253 5753 Fax 661 253 5751 unionbank.com		ind us on acebook	



Pre-Attack Reconassiance

www.familytreenow.com		Possible Relatives 😧		
		Name	Age	Birth Year
Full Name Justin Paul Viate	or	Felicia Viator		
Birth Year 1981 Age 35		John D Viator	29	1987
		Jude M Viator	29	1988
		Jude M Viator	32	1985
		Kathleen Viator		
Possible Associates 😧		Lindsay D Doucett	29	1987
Name	Age			
Laney Doucett	26	Curre	ent & Past Addresses	
Michele L Doucett	49	3919 Ken Dr, Lake Charles, LA 70605 C Current Address		
Ronald W Doucett	53			
Ronny W Doucett	53	1826 Fox Run Dr #1, Lake Charles, LA 70605		
Doucett Viator Lindsay	29	(Jan 2006 - Jun 2010)		
Laney Doucett	84	2601 Saint Joseph St, Sulphur, LA 70663 C (Mar 2002 - Jan 2006)		

7

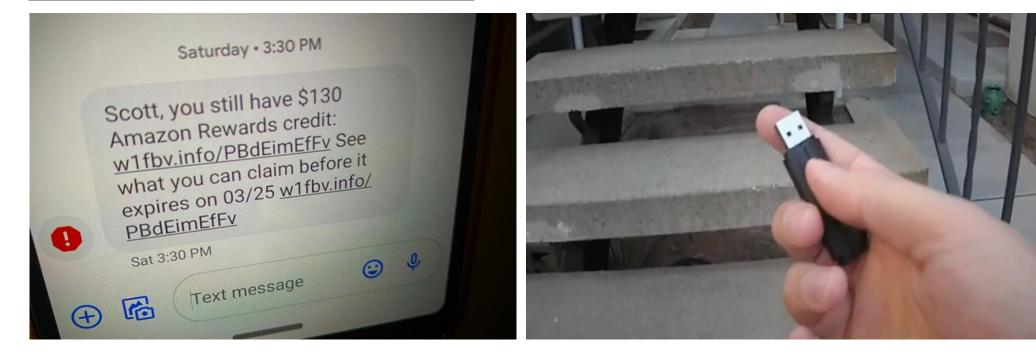
Pretexting

Contacting target to obtain information and build trust needed for future attacks





Baiting





Tele-Spoofing/Vhishing









Physical Spoofing

tailgating/piggybacking

Physical impersonation of an employee, vendor, or other authorized individual





Phishing/Smishing

Emails intended to induce action/obtain information



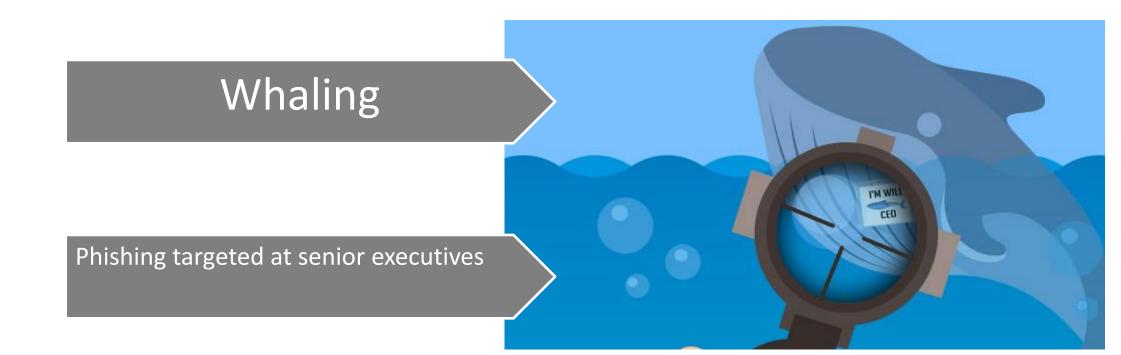


Spear Phishing/Smishing

Targeted Emails intended to induce action/obtain information









QR Code Phishing/Baiting

Link to visit phishing website









Deepfake

Synthetic media to create falsified content





- Would YOU Recognize a Phishing Attack?
- Anyone Receive a Suspicious/Malicious Message in the Last 10 Days?



Leila	[New SMS] You Got a Glance from Leila (from Yaroslavl, Russia) - [New SMS] You Got a Glance from Leila (from Yaroslavl, Russia)
Amazon.com® Reward (Ind	LAST NOTICE: Only Today Left to Grab A Free \$50 Amazon.com® Gift Card - LAST NOTICE: Only Today Left to Grab A Free \$50 Amazon.com® Gift Card
TARGET® Reward	Your customer ID was selected for a \$50 Target® charge card - Your customer ID was selected for a \$50 Target® charge card
Evelyn Dauzat	(no subject) - hi https://goo.gl/fQkNQd Evelyn Dauzat
McRee Ford	News and Specials from McRee Ford - Spring Savings and News View as a Web Page. Please add newsletter@mcreeford.com to your address book to ensu
From: Trom: Trom	Subject: 🖨 Client #36225192 To STOP receiving these emails from us hit reply and let u Please confirm your Unsubscribe To confirm your Unsubscribe
Cedric Webb	March Closeout Specials Inside - PRE-OWNED SPECIALS 2018 Civic: Financing with approved credit for 36 month lease through Honda Financial Services.
Laura Touchstone	Re: - http://connect.toilettrack.com Laura Touchstone
Karlos Williams	Hi! judeviator I want my money back, my 1000\$ - hi judeviator i want to get back the money I lent you, i need it tomorrow - Sent from my iPhone
James Patterson	I'm giving away \$2 million to teachers - Discover new reads from James Patterson View this email in your browser I'm Donating \$2 Million to Help Teachers A
Cheap Auto Insurance Tod.	Check for discounts: auto insurance - Check for discounts: auto insurance
Sportsman Gear	Happy Friday - Get 20% Off Your Order! - Performance Fishing & Hunting Gear That's Always In Season Post-Show Sale through March 31: Use Code SHON
Justin Viator	(no subject) - http://open.timeoutshreveport.com Justin Viator
MR.GODWIN EMEFIELE	GOOD NEWS CONTACT CHRIS IBEH IMMEDIATELY - FROM THE EXECUTIVE GOVERNOR, CENTRAL BANK OF NIGERIA (CBN) GOV.GODWIN EMEFIE



Social Engineering: Exercise			
(no subject) D Inbox x	-		
Evelyn Dauzat <sos-koyanagi@titan.ocn.ne.jp> to me ■ hi</sos-koyanagi@titan.ocn.ne.jp>	-		
https://goo.gl/fQkNQd			
Evelyn Dauzat			



Subject: 🛢 Client #36225192 To STOP receiving these emails from us hit reply and let us know 🌒 💿 🛛 Spam 🗴

From: [?

Why is this message in Spam? It's similar to messages that were detected by our spam filters. Learn more

Please confirm your Unsubscribe To confirm your Unsubscribe, please click here or on the link below. Unsubscribe me! Thank you!

To Stop Receiving Messages and Unsubscribe These Notifiations Click Here



mailto:<support@forthecostumers.com>,<admin@pathtosky.com>,<info@newlifexd.com>?subject=Unsubscribe

10% off of your next purchase at Amazon.com!



Amazon.com Gift Cards ("GCs") may be used only for the purchase of eligible goods on Amazon.com or certain of its affiliated websites. Except as required by law, GCs cannot be transferred for value or redeemed for cash. Purchases are deducted from the GC balance. To redeem or view a GC balance, visit "Your Account" on Amazon.com.



Shared Research





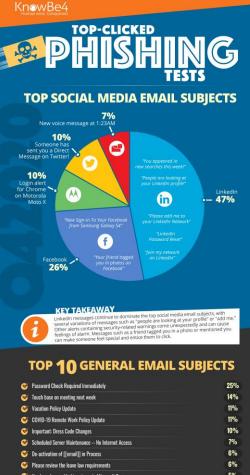
Must-Know Phishing Statistics



CISCO's 2021 Cybersecurity threat trends report suggests that at least one person clicked a phishing link in around 86% of organizations. The company's data suggests that phishing accounts for around 90% of data breaches.

There's an uneven distribution in phishing attacks throughout the year. CISCO found that phishing tends to peak around holiday times, finding that phishing attacks soared by 52% in December.





Coulom relievy update
If yos
Coulon 19 Remote Work Policy Update
Please review the leave law requirements
Please review the leave law requirement
Please review the leave law requirements
Please review the leave law requirements
Please review the leave law requirement
Please review the leave law requirement
Please review the leave law requirement
Please review the leave review r

When investigating 'in-the-wild' email subject lines, KnowBe4 found the most common throughout Q4 2020 included:

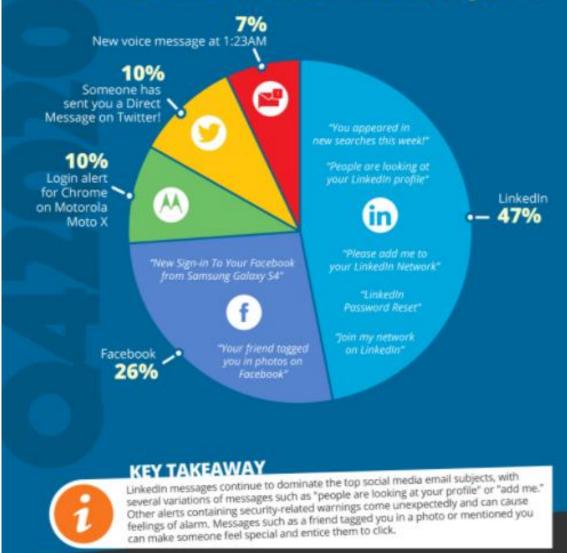
- IT: Annual Asset Inventory
- Changes to your health benefits
- Twitter: Security alert: new or unusual Twitter login
- Amazon: Action Required | Your Amazon Prime Membership has been declined
- Zoom: Scheduled Meeting Error
- Google Pay: Payment sent
- Stimulus Cancellation Request Approved
- Microsoft 365: Action needed: update the address for your Xbox Game Pass for Console subscription
- RingCentral is coming!
- Workday: Reminder: Important Security Upgrade Required



SECURITY AWARENESS TRAINING | WWW.KNG

26

TOP SOCIAL MEDIA EMAIL SUBJECTS





TOP **10** GENERAL EMAIL SUBJECTS

8	Password Check Required Immediately	25%
8	Touch base on meeting next week	14%
8	Vacation Policy Update	11%
8	COVID-19 Remote Work Policy Update	11%
8	Important: Dress Code Changes	10%
8	Scheduled Server Maintenance No Internet Access	7%
8	De-activation of [[email]] in Process	6%
8	Please review the leave law requirements	6%
8	You have been added to a team in Microsoft Teams	5%
8	Company Policy Notification: COVID-19 - Test & Trace Guidelines	5%

KEY TAKEAWAY



Hackers are playing into employees' desires to remain security minded. We are still seeing some subjects around COVID-19, but it seems users are getting more savvy to those types of ploys. Curiosity is piqued with security-related notifications and HR-related messages that could potentially affect their daily work.



According to Microsoft's New Future of Work Report:

- 80% of security professionals surveyed said they had encountered increased security threats since the shift to remote work began.
- Of these, 62% said phishing campaigns had increased more than any other type of threat.
- Employees said they believed IT departments would be able to mitigate these phishing attacks if they had been working in the office

Furthermore, an August 2021 survey conducted by Palo Alto Networks found that:

- 35% of companies reported that their employees either circumvented or disabled remote security measures
- Workers at organizations that lacked effective remote collaboration tools were more than eight times as likely to report high levels of security evasion
- 83% of companies with relaxed bring-your-own-device (BYOD) usage led to increased security issue



Social Engineering Prevention



Prevention

"A Network of Human Sensors"

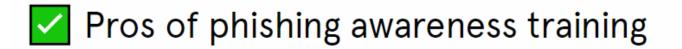
"One of the most effective ways you can minimize the phishing threat is through effective awareness and training. Not only can you reduce the number of people that fall victim to (potentially) less than 5%, you create a network of human sensors that are more effective at detecting phishing attacks than almost any technology."

Lance Spitzner

Training Director for the SANS Securing The Human Program



Prevention



Employees learn how to spot phishing attacks

It's a good chance to remind employees of existing policies and procedures

Security leaders can identify particularly risky and at-risk employees

Training satisfies compliance standards

It helps organizations foster a strong security culture





X Cons of phishing awareness training

Training alone can't prevent human error

Phishing awareness training is always one step behind

Training is expensive

Training isn't targeted (or engaging) enough



Prevention

But, humans shouldn't be the last line of defense. That's why organizations need to invest in technology and other solutions to prevent successful phishing attacks. But, given the frequency of attacks year-on-year, it's clear that spam filters, antivirus software, and other legacy security solutions aren't enough.





Postlethwaite & Netterville

A Professional Accounting Corporation