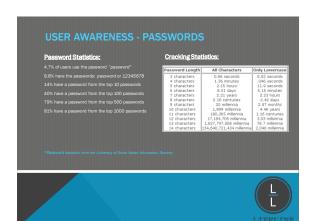




MOSE REMANDED RECT PRACTICES	
USER BEHAVIOR – BEST PRACTICES  Always use a secured pc AND network when accessing	
sensitive information.	
Examples of common security risks:  Public computers – Friends/Relatives' homes, library, bank, hotel  Risk – Spyware, Keylogger recording usernames and passwords	
Public networks (wff) – Starbucks, airport, hotel  Risk – Visible to strangers, packet sniffting, data transmitted is transparent	
	,
L LEET INE	
LIFELINE	
USER BEHAVIOR - BEST PRACTICES	
Use caution plugging in hardware – Phones, USB Drives, MP3 players Risk- Malware can be designed to run upon being plugged in, even from dissimilar hardware.  Example:	
<ul> <li>Windows virus can line on your smart phone (IOS or Android) undetected with code to install when plugged into a Windows system.</li> </ul>	
Do not install unauthorized software  Riak – Links/downloads can be malicious, software can come with additional malware attached, license violations, missing opportunity for better solution.  Examples:	
Installed flash player and unfortunately the Yahoo toolbar. And now I'm registered for FarmersOnly.com	
LIFELINE	
PHYSICAL VULNERABILITY  Physical Risks- physical liability of information; including any/all sensitive material	
such as passwords, client records, internal resources.  Examples:  • Physical access to sensitive areas – (server room, physical files/records)  • Physical access to information/resources – (passwords, pc's, WiFi)	
Defense Stratogy	
Physical Safeguards-physical measures/policies to protect information and resources  • Locked/Restricted areas (server closet)  • Restricting network access  • Sensitive information to be locked or shredded (includes passwords, client	
<ul> <li>Sensitive information to be locked or shreaded (includes passwords, client records, etc.)</li> </ul>	
LIFELINE	

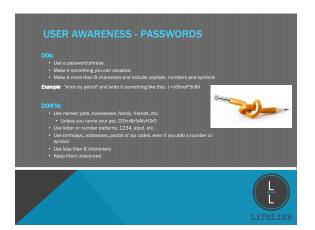
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## Network Penetration - exploits the vulnerabilities exposed to the outside world Examples: - Port scanning on firewall - Brute-Force - DboS Attacks - Distributed Denial of Service Defense Strategy Network security auditing/testing - Firewall security - ports/rules (VPN's) - Network edundancy - Current backups - Password policies



T	OP 10	0	PASS	W	ORDS	S -	(SOURCE:	SYN	MANTEC.CO	M)			
	123456		ahadow		betmen		charlie				convette		
2	123406 password		monkey		trustnod.		superman		hammer yankees		bigging	91. 92.	dick
3.	12345678		abo123		thomas		a**hole		Joshua		cheese	93.	taylor
4	12340076	19.	0000		tister		teeston sune		medde		metthew		111111
5.	DUNN		rassma		robert		delles	65.	biteme		121212		131313
ă.	12345		6969		SCORES		Jessica	66.	enter		petrick	96.	
			Jorden	37.			penties		eshiey		mertin		Pesse
8.	qwesty		harley		buster		pepper		thunder		freedom		hello
9.	696969		rander	39.	1284567		1111	69.	cowboy		alineter		ecooter
10.	mustered	25.	wentu	40.	80008F	55.	eustin	70.	aliver	85.	Posses	100	piesse
11.	letmein	26.	jennifer	41.	hookey	56.	willem	71.	richard	86.	nicole		
12.	beseball	27.	hunter	42.	killer	57.	deniel	72.	loosel	87.	sparity		
13.	master	28.	feee	43.	george	58.	golder	73.	orange	86.	yellow		
14.	micheel	29.	2000	44.	BENCY	59.	aummer	74.	merlin	89.	camero		
15.	football	30.	test	45.	andrew	60.	heather	75.	michelie	90.	secret		
												(	L





- Spam

   More than just an annoyance that affects productivity

   Carries phishing attacks

   Carries malware

- Ofense Strategy

  User awareness training
  Email security server (Reflexion)
  Antivirus (Webroot)
  Firewall rules allow/block specific traffic



- User awareness training
   Antivirus (Webroot)
   Current backups





- 2018 Stattetics

  838 Million attacks reported. 16,700% GROWTH FROM 2015.

  47% of organizations have been hit with ransomware within the past 12 months.

  \$209 million was paid to ransowware criminals in Quarter 1 alone

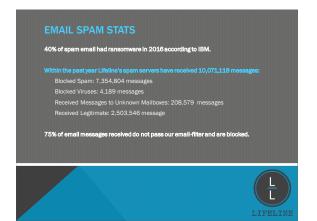
  Prior to attacks 4 out of 5 businesses believe their backups could provide a complete recovery

  After being attacked, only 42% have been successful

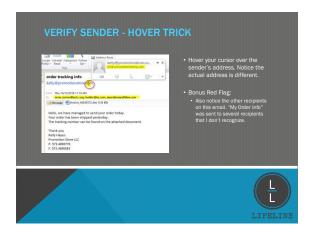


H&W YOU CATCH THE	M ALL!						
Pigure 1.2 Applications by Which Ramson were Enter	ed the Organization						
Ernel link	final link 31						
Email attachment		28%					
A Web site or Web application other than enail or social media		24%					
Social media	4%						
USB stick	3%						
Business application	1%						
We don't know	9%						
Source; Onternan Research, Inc.							
			LIFELINE				





# WHOA! DON'T OPEN THAT EMAIL User considerations Do you know the sender? Are you expecting the email? Does the email seem legitimate? Protect yourself Never enter personal information in a pop-up. Call/Confirm with the sender. Analyze links and attachments. Verify the email address. Use the hover trick or check the Reflexion summary at the bottom of the email.





## Scan potentially trusted attachments before opening. NOTE: This is not failsafe. Scans work from Webroot's database and should be performed AFTER the user has identified the email as legitimate. Identifying a compromised PC • Unusual slowness – often starting several minutes after startup • Program pop-ups – often a fake antivirus program trying to scare users • Browser pop-ups – unsolicited websites open, abundance of ads, blinking links • Add/Remove programs showing bloatware – free arcade games, coupon finder • General odd behavior – programs closing/stailling, new shortcuts, icons missing Defense Strategy • User awareness training • Webroot • IT Department manual cleanup My pc's been Infected Depending on severity/threat disconnect your pc from the network (power off) Change your password (very effective against pc hijacking) Contact Lifeline immediately How many pc's are compromised? What is affected? My email account has been compromised Change your password immediately Check sent folder, and email any contacts that previous messages were bogus Contact Lifeline immediately

INCREASED SECURITY OPTIONS	
Lifeline Offers	
Email Encryption	
Multi-Factor Authentication	
HIPAA Security User Training Certification	
PCI Security User Training Certification	
( <del>-</del> )	
LIFELINE	
FURTHER RESOURCES	
Password Generator	
https://identitysafe.Norton.com/password-generator/	
Use Password Managing Software	
LastPass, Dashlane	
Security News	
https://nakedsecurity.sophos.com/	
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