CybersecurityAwareness



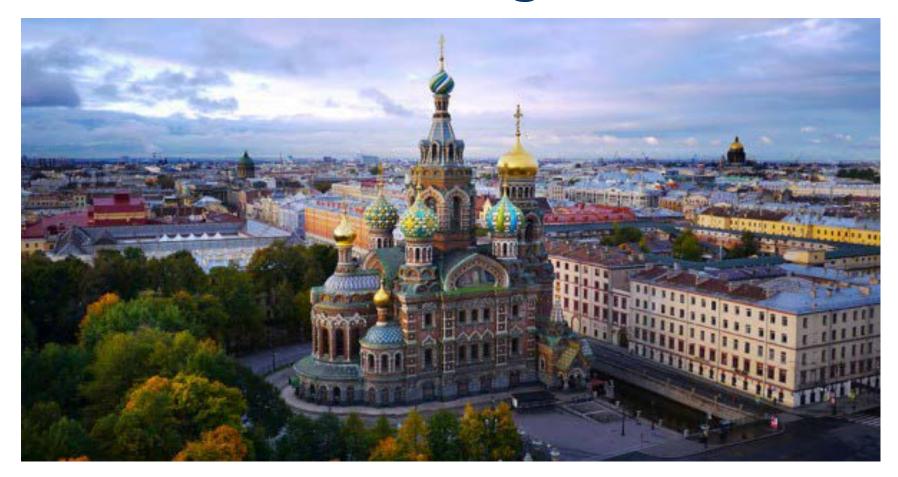




A Discussion On Cybercrime & Fraud



July 1994 St. Petersburg, Russia



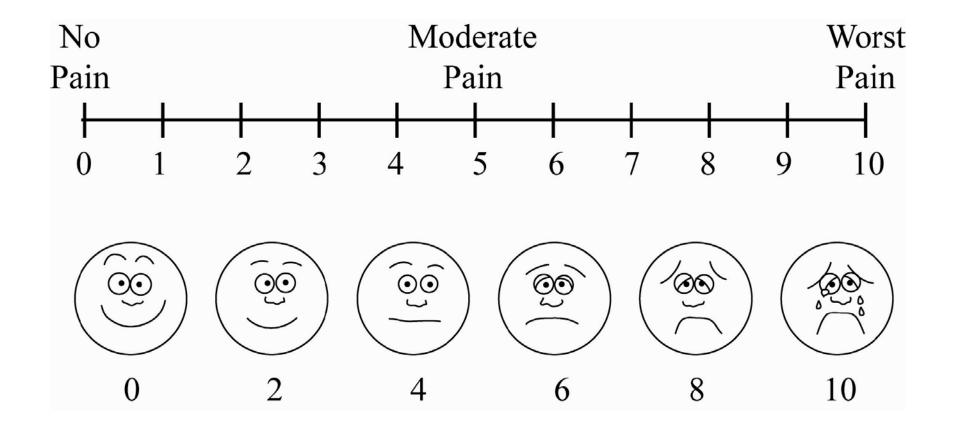


Subject: Vladimir Levin Age: 23





Cybercrime Pain Scale





are you the lucky one?



AGENDA

knowledge + tools > threats





But First... Social Engineering Terms

- Phish
- Spoof
- Malware
- Keylogger
- pwn



Case Study #1

What would you do differently today if you knew that tomorrow...



I FAVE YOUR

nework

PAY UP OR THE

d ATT A

g e T S

UI



Old "Past Due" Invoice Trick

dear sir,

please click **HERE** and everything will be

ok.

ps i accept bitcoin



What does being PWNED look like?

		.doc	4/26/2016 4:24 PM	DOC File	50 KB
		2013.doc	4/26/2016 4:24 PM	DOC File	49 KB
		doc	4/26/2016 4:24 PM	DOC File	49 KB
	Filenames	doc	4/26/2016 4:24 PM	DOC File	46 KB
	redacted	2.doc	4/26/2016 4:24 PM	DOC File	42 KB
		рс	4/26/2016 4:24 PM	DOC File	46 KB
			4/26/2016 4:24 PM	DOC File	30 KB
			4/26/2016 4:24 PM	DOC File	30 KB
		ley.doc	4/26/2016 4:24 PM	DOC File	40 KB
README-Encrypted_Files.HTML			4/26/2016 4:24 PM	HTML Document	4 KB



Ransomware Preparation

- Anti-Virus
- Back-Ups
- Macros
- Table-Tops



Case Study #2

What would you do differently today if you knew that tomorrow...



Your employee will drop you a **note**...

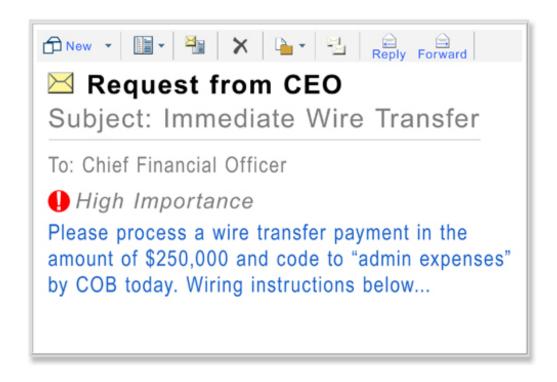
Hey Boss,

I wired that \$35,000 to crazyQ paper like you asked! Bank confirmed all set -

Cheers!



or worse, YOU are that employee.





Business Email Compromise (BEC)

\$2 BILLION
problem



BEC Preparation

- @Consistency
- Dual Control
- Training
- Human Voice



Case Study #3

What would you do differently today if you knew that tomorrow...



your CHECKS will be counterfeited

The Signal





Low-Tech & Successful

- \$ecurity
- Positive Pay
- Direct Deposit
- ACH Block

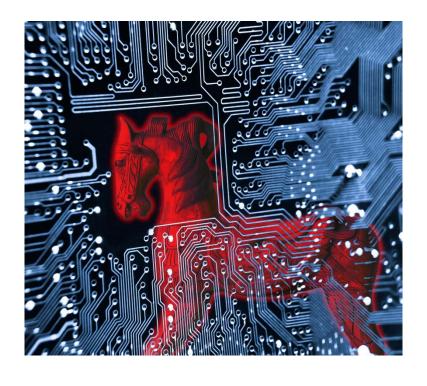


Case Study #4

What would you do differently today if you knew that tomorrow...



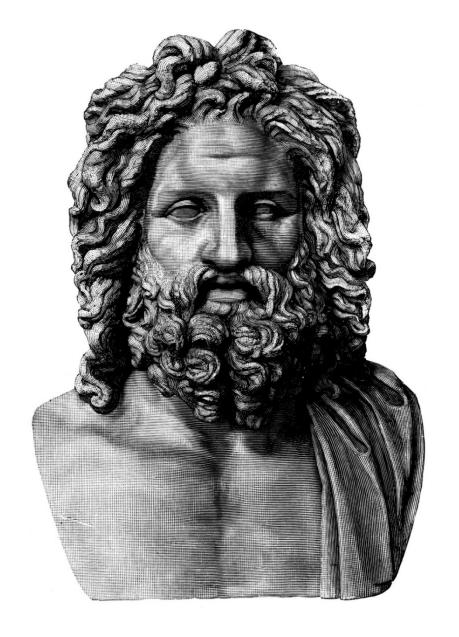
Your bank calls to confirm a \$42,500 ACH payroll file,



and you didn't do payroll YET.



There is no school like old school.





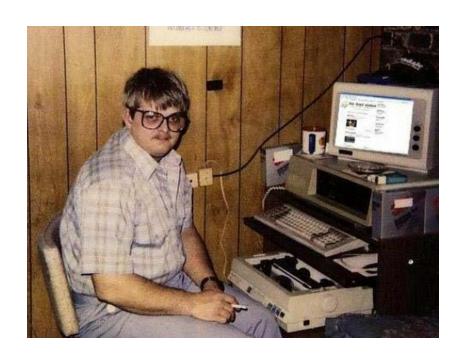
Account Takeover

- Reduce Threat Surface
- Dual Control
- Computer Security
- Training



Epilogue





the 80s are over













Cyber Insurance

for when the unthinkable occurs...





Resources

Fraud Information Center on NBT Bank's New Website



Business > Customer Support > Fraud Information Center

FRAUD INFORMATION CENTER

For businesses of all sizes, incidents of fraud and theft of financial data are on the rise. Knowing this, few things count more to your business than securing your business's account information, and NBT Bank is committed to helping you do just that. Click the boxes below for the latest information, tips and resources related to business fraud.





Ransomware: Prevent, Detect, Respond Learn More



Be aware of the CEO Phising Scam Learn More





Resources

Email & Web Surfing

Be suspicious of email requests, and call the sender to verify. Use safe web surfing practices. Consider a banking-only PC where email access and web surfing are not permitted.

Dual Control

Implement enhanced online banking controls to authorize requested payments.

Table-top Exercises

Implement and test your incident response plan often. Conduct exercises with key personnel to assess your readiness to respond to a cyber incident.

Build Awareness

Enthusiastically promote cyber safety. Educate employees on the latest threats and reinforce company security policies.



Resources

In recent years, cyber attacks have emerged as one of the most significant threats facing organizations of all sizes. The Internet and other network operations have created risks that were unheard of less than a decade ago. When cyber attacks (such as data breaches and hacks) occur, they can result in devastating damage, such as business disruptions, revenue loss, legal fees, and forensic analysis and customer or employee notifications. It is important to remember that no organization is immune to the impact of cyber crime. As a result, cyber liability insurance has become an essential component to any risk management program. INSTRUCTIONS: Begin by answering the questions below. Each response will be given a numerical value depending on the answer: YES:5 points . UNSURE: 5 points - NO: O points After completing all of the questions, total your score to determine your organization's level of cyber risk using the scale below. NO LINSURF 1. Does your organization have a wireless network, or do employees or customers access your internal systems from remote locations? 2. Does anyone in your organization take company-owned mobile devices (e.g., laptops, smartphones and USB drives) with them, either home or when travelling? 3. Does your organization use Cloud-based software or storage? 4. Does your organization have a "bring your own device" (BYOD) policy that allows employees to use personal devices for business use or on a company network? 5 Are any employees allowed access to administrative privileges on your network or computers? 6. Does your organization have critical operational systems connected to a public network? 7. Does anyone in your organization use computers to access bank accounts or initiate money 8. Does your organization store sensitive information (e.g., financial reports, trade secrets, intellectual property and product designs) that could potentially compromise your organization if 9. Does your organization digitally store the personally identifiable information (PII) of employees or customers? This can include government-issued ID numbers and financial information. 10. Is your organization part of a supply chain, or do you have supply chain partners? 12. Has your organization ever failed to enforce policies around the acceptable use of computers, 13. Can the general public access your organization's building without the use of an ID card? 14. Is network security training for employees optional at your organization? 15. Can employees use their computers or company-issued devices indefinitely without updating 16. Has your IT department ever failed to install antivirus software or perform regular vulnerability 17. Can employees dispose of sensitive information in unsecured bins? 18. Would your organization lose critical information in the event of a system failure or other 19. Can employees easily see what co-workers are doing on their computers? 20. Has your organization neglected to review its data security or cyber security policies and procedures within the last year? TOTAL SCORE: ESCALATED RISK: 55-100 MODERATE RISK: 15-25

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Common Themes

- Email & Web Surfing
- Dual Control
- Table-Tops
- And lastly...



Build Cybersecurity Awareness



Questions & Answers





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Cybersecurity Awareness