



Navigating Cyber Considerations Beyond PCI Compliance

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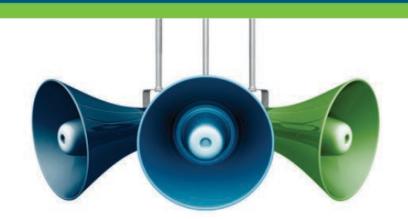


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Agenda

- Welcome
- Introductions
- NCR Ransomware Case Study
- Beyond PCI
 - Restaurant Cyber Risks
 - Ransomware
 - Awareness
 - Web Site
- Protect Yourself
 - Framework for Success
 - Cyber Liability Insurance
 - Security Scorecard
- Questions





Save The Date

 <u>August 15th</u>: Mastering Lease Accounting - A Recipe for Restaurant Success Webinar

 October 24th: Columbus Restaurant MasterClass All-Day Seminar

 November 9th: Unveiling Data-Driven Insights for Success Webinar

<u>Visit us online</u> to watch past Restaurant MasterClass webinar recordings.





Introducing GBQ Technology Services

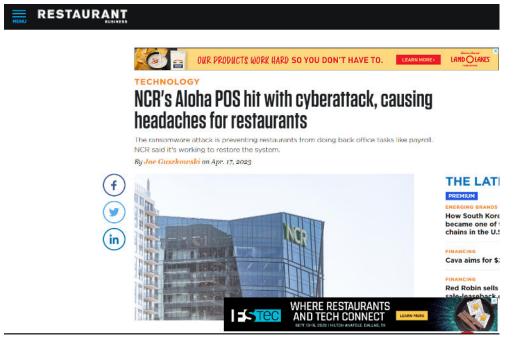
We maximize technology and data investments while building trust and keeping the bad guys out by helping clients answer 3 key questions:



- Strategy Is IT aligned with and serving the business?
- Risk Are enterprise, compliance, cyber and other risks managed within management's tolerance?
- Data Does the business have the right data in the right form to run and grow?



NCR Ransomware: Case Study in Third-Party Risk

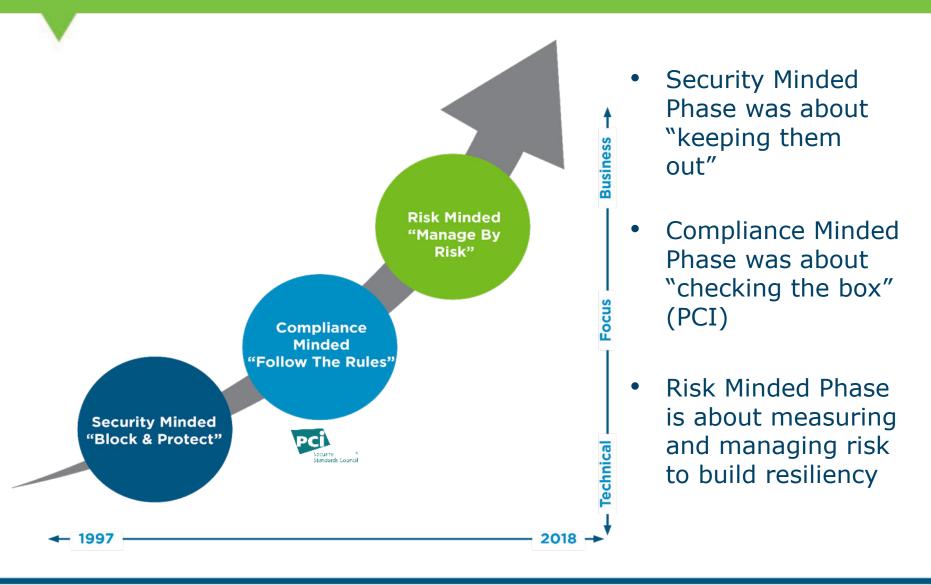


Lessons:

- ✓ Every firm, no matter the size, is susceptible to ransomware.
- ✓ Restaurants must manage the risk that company owned systems are at risk of being ransomed and should take measures to reduce that risk.
- ✓ As restaurants outsource key functionality, like point-of-sale systems, inventory, scheduling, gift card and other loyalty programs, delivery services, accounting, IT managed services, marketing and so on, a program should be in place to measure and manage the risks that exist from those key third parties.



Focus of Cybersecurity Management Over Time





PCI Data Security Standard



- Information security standard used to handle credit cards from major brands.
- Use by Merchants is mandated by the card brands
- Validation of compliance is performed annually or quarterly with a method suited to the volume of transactions.
- Focused on a Merchant's (Restaurant) Cardholder Data Environment



Build and maintain a securenetwork and systems



Protect cardholder data



Maintain a vulnerability management program



Implement strong access-control measures



Regularly monitor and test networks



Maintain an information security policy



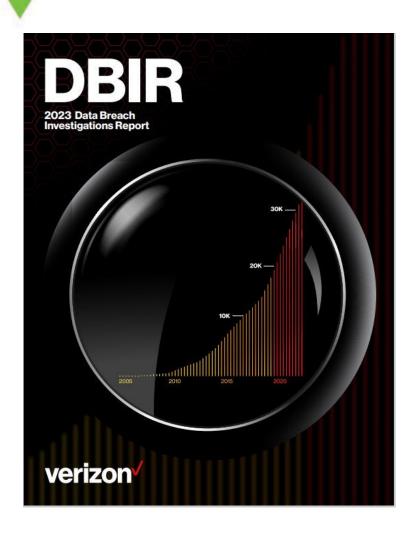
What Assets Are Not in Your Cardholder Data Environment?

Not specifically covered by PCI DSS:

- Back Office Operations
- Front of Store
- Back of Store
- Third Party Systems
- Internet Connected Automation Systems



What Are Our Threats? - Verizon "DBIR"



- Verizon Data Breach Investigation Report
- Established 2008
- Data Driven Report of Incidents and Breaches



Social Engineering on the Rise



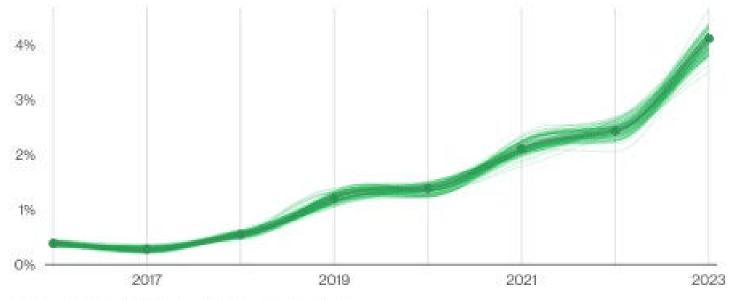


Figure 5. Pretexting incidents over time

DBIR Report 2023 - Introduction | Verizon Business



Ransomware 24% of All Breach Events



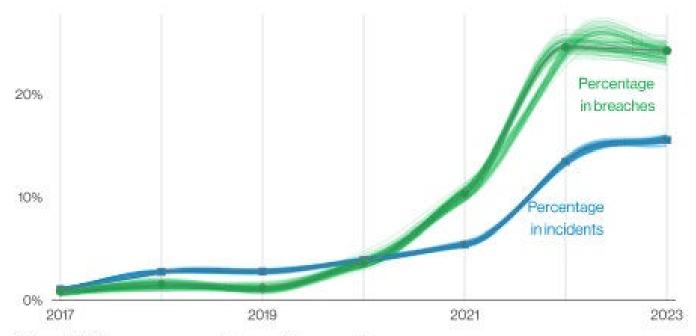


Figure 8. Ransomware action variety over time.

DBIR Report 2023 - Introduction | Verizon Business



By Industry Sector

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	Metric	Accommodation & Food Services	Retail	SMB
Fre	quency			699 incidents 381 breaches
Тор	patterns	System Intrusion Social Engineering	System Intrusion Basic Web Attacks	92% of breaches: System Intrusion, Social Engineering Basic Web Attacks
	reat actors eaches)	Internal (7%)	Internal (9%) Multiple (1%)	External (94%) Internal (7%) Multiple (2%) Partner (1%)
	or motives eaches)	Financial (100%), Espionage (1%)	, ,	Financial (98%) Espionage (1%) Convenience (1%) Grudge (1%)
	ca compromised eaches)	Credentials (35%) Other (32%)	Credentials (38%) Personal (34%)	Credentials (54%) Internal (37%) Other (22%) System (11%)



Ransomware



Screenshot of the ransom note left on an infected system

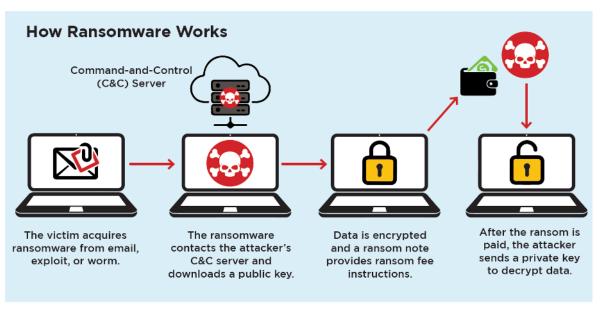
Ransomware is a type of malicious code or software that attackers use to gain control over your computer and files.

The attackers lock up your computer and demand a ransom in exchange for providing you with the decryption key to allow you to regain access to your computer and files.

Paying the ransom does not always guarantee you access to your computer and files and could make you a victim of further attacks.



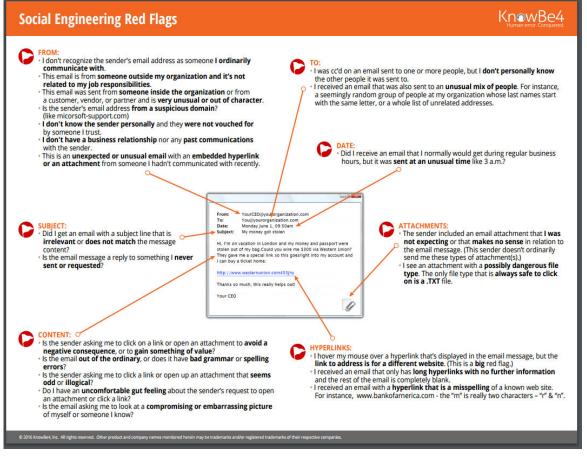
Defending Against Ransomware



- Trust but verify your cybersecurity program with an annual assessment and security testing including ransomware simulation
- Backup your data (and test restoration)
- Train employees to raise security awareness
- Have a written, tested incident response plan
- Ensure you have the right cyber insurance coverage



Social Engineering



- Train employees to raise security awareness
- Implement strong internal financial controls focused on banking, payments & employee compensation
- Ensure PCI Cardholder Environment employees receive proper information handling training

Web Site Risks

- Skimmers (RAM Scrappers) Malware injected into a site that
 "skims" data from card transactions
- Authorization Schemes stolen payment card numbers are authorized on your storefront as bad actors work to find working CVV codes for the cards
- ADA Compliance Non-compliant sites attract the attention of attorneys
- Brand Damage Defacements & customer focused attacks

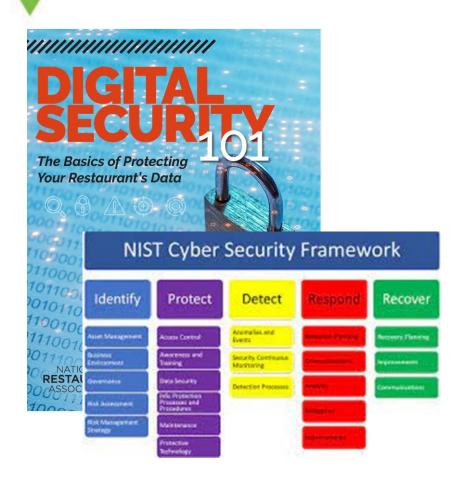


Defending Your Web Site

- Identify which party (Marketing, IT, Third Party Developer, Third Party Hosting Provider) is responsible for which components of security
- Ensure these roles are contractually obligated for third parties and documented in policy for internal actors
- Include all parties in your written incident response plan
- Utilize a third-party cyber security expert to identify security vulnerabilities



Manage Security From a Playbook



National Institute for Standard & Technology's Framework for Improving Cybersecurity in Critical Infrastructure (NIST Framework):

- 1. Identifying cyber risks;
- 2. Protecting against cyber risks;
- 3. Setting up procedures to detect a cyber-incident;
- 4. Responding to a cyber-incident; and
- 5. Recovering from a breach

Intro to Digital Security 101: How to protect your restaurant's data | National Restaurant Association



Cyber Liability Insurance

- ✓ Review annually with a broker with cyber knowledge and experience
- ✓ Riders on property & casualty are often not enough
- Accurately complete underwriting forms
- ✓ Understand how much coverage you need
- ✓ Understand type of coverages.



"Send lawyers, guns and money. Dad get me out of this."

Warren Zevon,
 Lawyers, Guns and Money,
 Werewolves of London



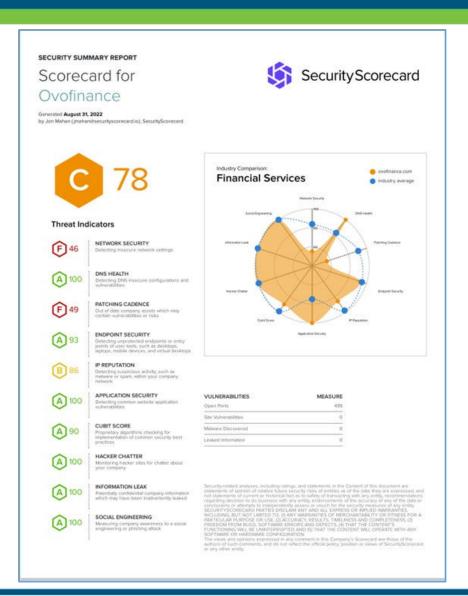
Security Scorecard

Companies use cyber-risk ratings services such as those offered by BitSight and Security Scorecard to assess the security risk posed by vendors / supply chain.

Insurance carriers are using in underwriting processes.

Many of these risk ratings services will provide free copies of your report to you.

Obtain reports on your company to see what your score is and fix any weaknesses





Questions





We Want to Hear from You!

Share your feedback from today's presentation here:







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