

NRF PROTECT PEOPLE. ASSETS. BRANDS.

WILLIAMS-SONOMA, INC.

Williams-Sonoma • Pottery Barn • Pottery Barn Kids • West Elm • PBTeen Williams-Sonoma Home • Rejuvenation • Mark and Graham

The Numbers

\$4.68 - \$4.73 Billion • 612 Stores Multiple ecomm Websites • Direct Mail Catalogs

Locations

United States • Canada • Australia • United Kingdom International Shipping Worldwide

Franchises

Bahrain • Dubai • Kuwait • Abu Dhabi • Lebanon Philippines • Mexico City

NRFProtect.com



NRF PROTECT

PEOPLE. ASSETS. BRANDS.

YEAR IN REVIEW OF BREACHES

JAN

Xoom \$31 million business email compromise

JUL

Harvard, Penn State, Trump Hotels, UCLA, Hacking Team and Ashley Madison

FEB Deep Panda

likely cause of Anthem breach estimated 1/3 of Americans affected

AUG

DoD;

SEP Blue Termite American Chinese Airlines; US cyber-USDHHS; IRS; espionage attack on Ubiquity \$47 Japanese millions loss companies

MAR

Premera (Blue Cross) breach affecting 11 mission people

APR Great Cannon

on GitHub.

GreatFire

ОСТ

Experion

15 million

Patreon:

Scottrade

customers;

breach affects

Healthcare Data breaches DDoS attacks cause problems for insurance providers

MAY

NOV

Dridex banking malware; Vtech; 70 Million US Prison calls; FEB Law Enforcement Portal

JUN

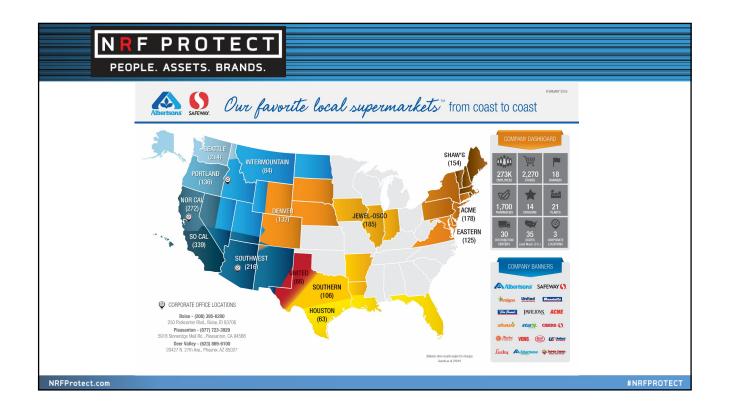
OPM breach -21 million (and counting) victims

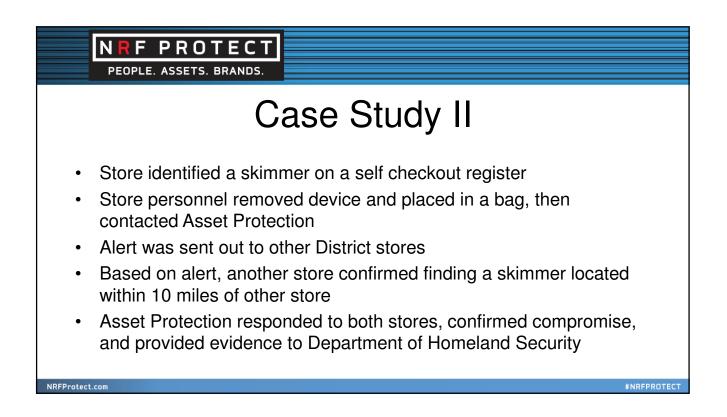
DEC

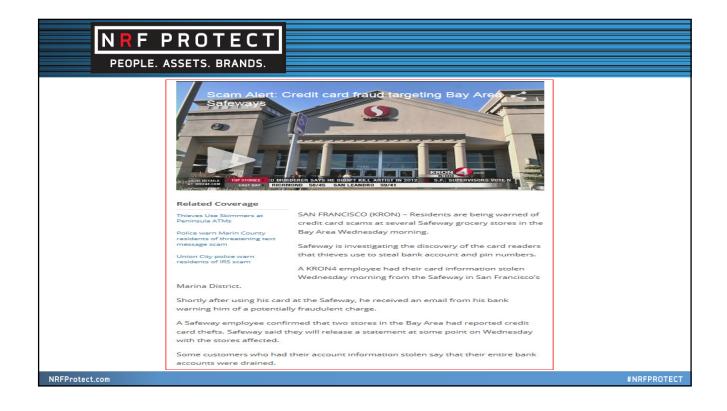
Black Energy malware causes power outages in Urkaine

Source: Verizon 2016 Data Breach Investigation Report

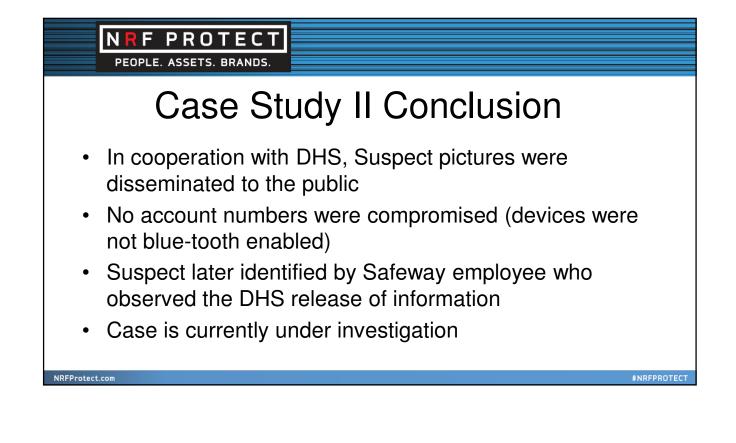
NRFProtect.com

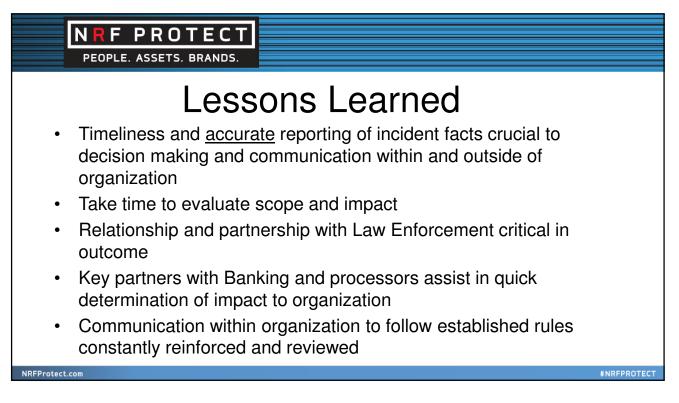






	PEOPLE, ASSETS, BRANDS,				
Sa	feway has issued a statement about the skimmers:				
	11 Today's online story regarding skimmers at Safeway stores does not reflect that these rare discoveries were made during our own routine inspections, nor does it convey that these are isolated incidents. It is important for customers to know that no credit or debit card data was compromised by the two skimmers that were discovered at our Dublin Boulevard store in Dublin and the Bancroft store in Walnut Creek in September. (Reports regarding stores in Castro Valley and Menlo Park are inaccurate.) No skimmers have been discovered since that time. Like all responsible business owners, our store teams routinely inspect all				
	point of sale devices and discovered the two skimmers during these inspections.				
	When our store teams find evidence of criminal activity like this, we have been able to pinpoint with surveillance video when the devices were installed and how many transactions were processed. We immediately followed the proper protocol of contacting law enforcement and the banks that service the few cards that were used on those pin pads. Customers who have any concerns, should review their bank statements for fraudulent activity in the				
NRFProtect.com	September/October timeframe, or contact their cardholder or bank directly.	#NRFPROTE			



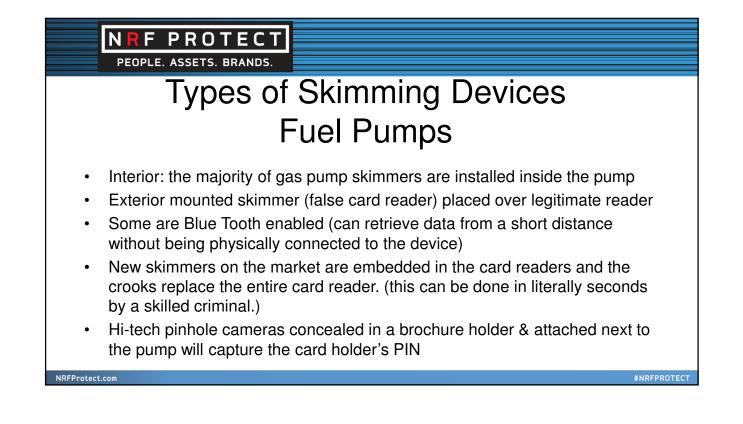






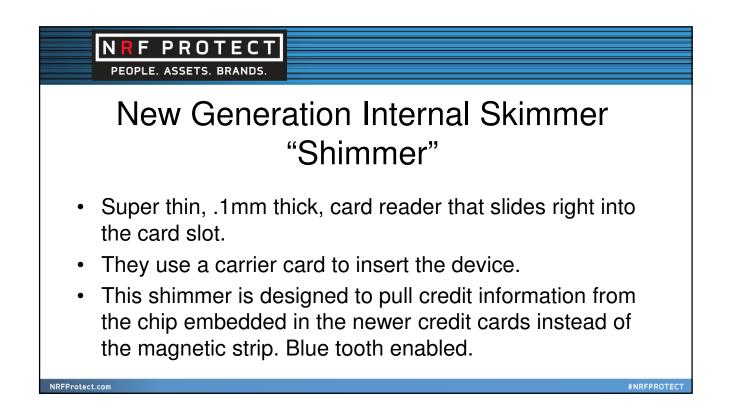








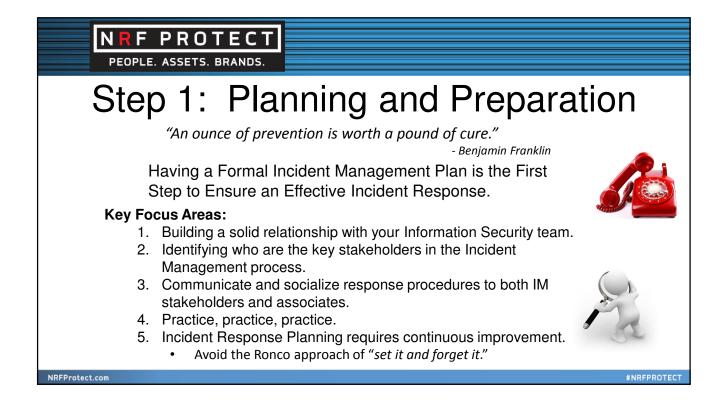


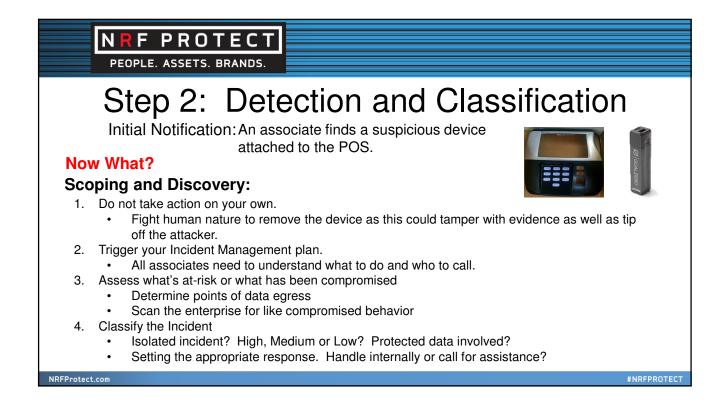






Incident Response Process Flow				
1 - 2 - 3 - Planning & Detection & Containment & Preparation Classification	4 – 5 – 6 – Collection & Analysis Recovery Documentation			
 Continuous improvement on Security Operational Controls, Standards and Policy. Review and Rehearse IR Plan, Make needed adjustments where necessary. 	 Prior to Containment & Eradication, if possible, secure and collect evidence. Perform analysis to better understand the nature of the threat. A higher degree of successful elimination. 			
 An Incident - Any unlawful, unauthorized or unacceptable action involving a computer system or network. Defined Incident Categories 0 – 6. Incident Severity – 1, 2 or 3. 	 Once the root cause of the incident is eradicated; Correct the vulnerability. Restore operations back to normal. 			
 Established and defined containment and eradication measures per operational support area to minimize damage and prevent additional damage. Understand business impacts and communicate accordingly. 	 Assessing and documenting incident response activities; Conduct post-mortem reviews. Report KPIs. 			





NRF PROTECT

PEOPLE. ASSETS. BRANDS.

Step 3: Containment and Eradication

Containment: Taking the right steps to "stop the bleeding."

Eradication: Preventing further compromises.

So, What's Next?

Containing the Incident:

- 1. Work with Security to capture POS activities
 - Capture activity logs, OS, running software and firewalls.
- 2. Work with Security and Network teams to isolate the compromised environment.
 - Take the POS system off the network.
 - Ideally, have a dedicated security network segment where you can move the affected system without disabling the port.

Other Considerations:

- 1. Dependent system impacts and business continuity concerns.
- 2. Who is accountable and authorized to make this decision.

NRFProtect.com

12

	EOPLE. ASSETS. BRANDS.				
	Step 4: Collection	and A	naly	/sis	
	Collect evidence for follow-on analy	sis.			
	Why is this Important?				
	Taking the time to perform further ar		$\mathbf{T} \mathbf{O} \mathbf{O} \mathbf{O} \mathbf{O}$		
	understanding of the threat and incr				it.
Considerat	understanding of the threat and incr				it.
	understanding of the threat and incr	eases your c	hances		it.
1. Establi	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or	eases your c	hances	to eliminate	it.
provide	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er.	eases your c	hances		it.
 Establi provide Ensure 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er.	eases your c	hances	to eliminate	it.
 Establi provide Ensure 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable	r a forensics service	hances Evidence Ch.	to eliminate	it.
 Establi provide Ensure 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er.	r a forensics service Related By: Name: The: Signature Date / Time:	hances	to eliminate	it.
 Establi provide Ensure 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented	r a forensics service reases by: Name / The: Signature: Date / The: Released By: Released By:	hances Evidence Ch.	Ito eliminate	it.
1. Establi provide 2. Ensure	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented Least intrusive to the affected system	r a forensics service Released By: Name / The: Biggadate: Date / The: Released By: Name / The:	hances Evidence Ch.	to eliminate	it.
1. Establi provide 2. Ensure	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented	r a forensics service reases by: Name / The: Signature: Date / The: Released By: Released By:	hances Evidence Ch.	to eliminate an of Custody Received By: Name / The: Received By: Recei	it.
1. Establi provide 2. Ensure	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented Least intrusive to the affected system User proper evidence handling procedures	r a forensics service r a forensics service Released By: Name / TBE: Signalar: Name / TBE: Signalar:	Evidence Ch	to eliminate an of Custody Received By: Name / The: Received By: Recei	it.
 Establi provide Ensure 3. Analys 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented Least intrusive to the affected system User proper evidence handling procedures is and root cause;	r a forensics service r a forensics service Release By: Name / TBE: Signafare: Released By: Name / TBE: Bignafare: Date / Time: Released By: Name / TBE: Released By:	Evidence Ch	to eliminate an of Custody Received By: Name / Tile: Signuture: Received By: Name / Tile: Signuture: Received By: Name / Tile: Signuture: Name / Tile: Signuture: Name / Tile: Signuture: Name / Tile: Signuture:	it.
 Establi provide Ensure 3. Analys 	understanding of the threat and incr tions: sh criteria to whether to use your internal forensics team or er. you use forensically sound procedures; Repeatable Well documented Least intrusive to the affected system User proper evidence handling procedures	r a forensics service Related By: Name / Tite: Signature: Date / Signature: Signature: Date / Signature: Date / Signature	Evidence Ch	to eliminate ain of Custody Received By: Name / Tile: Signuture Received By: Isser / Tile: Signuture Received By: Received	it.

NRF PROTECT

PEOPLE. ASSETS. BRANDS.

Step 5: Remediation and Recovery



Identify changes that might be necessary to ensure containment is effective and eradication is thorough.

Your Goal: Return to normal operational state.

Once you have root cause of the incident has been eradicated:

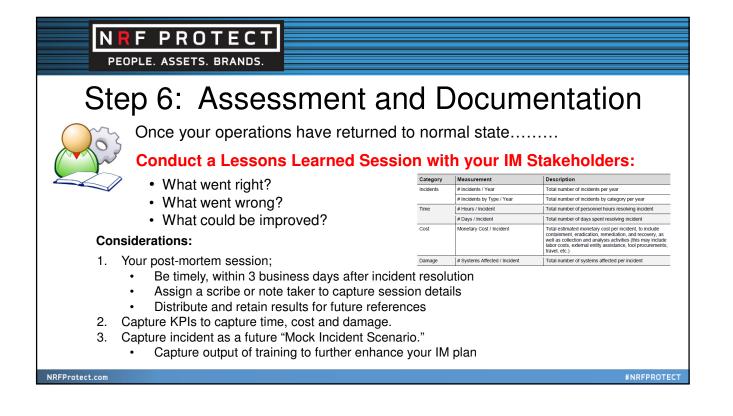
- 1. Correct any vulnerabilities that contributed to the incident.
- 2. Accomplish all recover tasks to restore normal operations.

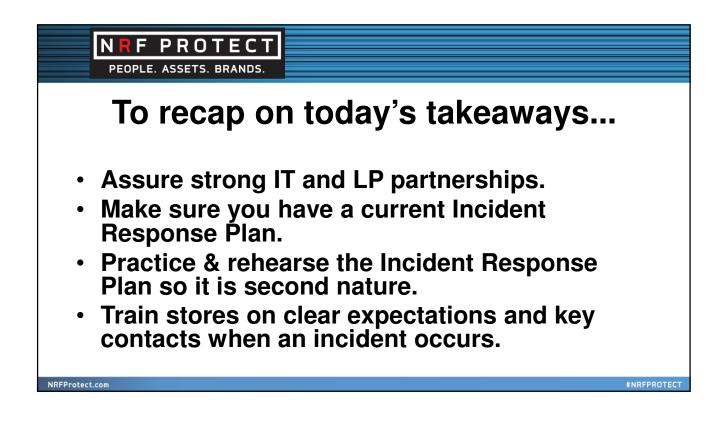
Incident Recovery:

- 1. Replace POS sled or reinstate original once forensics has been completed and the device is recertified for service by equipment manufacturer.
- 2. Rebuild POS system with a certified image.
- 3. Establish new protocols around "tamper testing" POS devices.

NRFProtect.com

#NRFPROTECT





NRF PROTECT PEOPLE. ASSETS. BRANDS.	
Rick Lloyd Director Information Security Williams-Sonoma, Inc. (916) 626-5867 relloyd@wsgc.com	Jason Griffin Corporate Asset Protection Manager Albertsons Companies (503) 806-2448 jason.griffin@safeway.com
Gail Morris Director LP – Co to Consumer Williams-Sonom (415) 816-5505 gmorris@wsgc.c	
IRFProtect.com	#NRFPROTEC

