BEYOND THE POINT OF SALE: PREPARING TO FACE THE NEXT WAVE OF RETAIL CYBERSECURITY CHALLENGES

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RETAIL CYBER INTELLIGENCE SHARING CENTER

ABOUT THE R-CISC

The Retail Cyber Intelligence Sharing Center (R-CISC) is the **trusted** cybersecurity resource for all retailers, commercial services entities, and cyber security industry partners worldwide.

Created in response to the increased number and sophistication of attacks against our industries, the R-CISC provides the **community** of organizations **serving** consumers with apparel, food, lodging, entertainment and other forms of commercial services a significant tool to combat cyber criminals by **sharing** leading practices and threat intelligence within in a safe and secure way.

Through an integrated community of **cooperating** organizations, we are **stronger together.**

R-CISC OVERVIEW

THE THREE COMPONENTS OF THE R-CISC:

- **Retail and Commercial Services Information Sharing & Analysis Center (RCS-ISAC)** – to identify real-time threats and share actionable intelligence to mitigate the risk of cyber attacks

- **Training & Education** – to provide education to members of leading practices for information sharing and protecting against cyber criminals

- **Research** – to collaborate with academia, government and the private sector to provide research on emerging technologies, potential future threats, and solutions to cybersecurity issues faced today and tomorrow

RCS-ISAC	Research	Education & Training
Information Sharing	Benchmark Studies	Conferences
Threat Analysis	Partnerships	Leading Practices
Collaboration	Industry Leading Practices	Webcast
Alerts		Cyber Table Top Exercises
Analyst Calls	Thought Leadership	Internship Program
		Discounts
Member Support	Innovation Platform	Mentorship Program

CRITICAL INFRASTRUCTURE

By the Numbers…

$18 Trillion – Estimated US Economy
22% of Global GDP

$5 Trillion – Estimated 2014 Retail Revenues
Estimated 2/3rds of the US GDP is comprised of Retail Consumption

$445 to $575 Billion – Estimated Cost Impact of Cybercrime
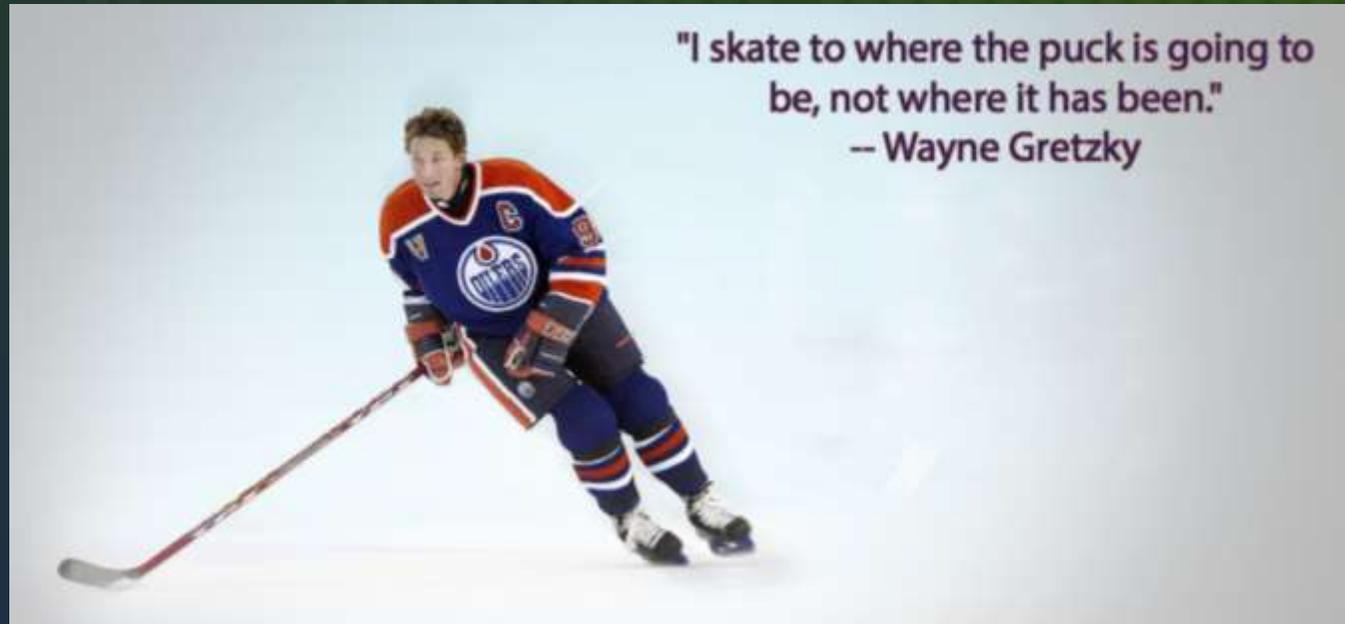Closing in on 10% of Potential Revenues

Beyond the Numbers…

MOVING TO WHERE THE THREATS ARE GOING

Account Take Over

Shipping Schemes

Ransomware

Phishing

Reward Programs

Gift Cards

"I skate to where the puck is going to be, not where it has been."
-- Wayne Gretzky

Convergence of factors
- EMV changing the dynamic of traditional "Point of Sale"
- Point of Sale malware, skimmers and attacks are still viable for some
- eCommerce as an evolving business dynamic and the new "Point of Sale"
- Third party dynamics, outsourcing and ecosystem complexity
- Fraud after the card theft is still very dynamic

FENCES AND HORSES

Don't put a $100 fence around a $10 horse.

TRIANGLE VALUATION OF DATA AND RISK

Retailer Value of Data

Attacker Value of Data

Consumer Value of Data
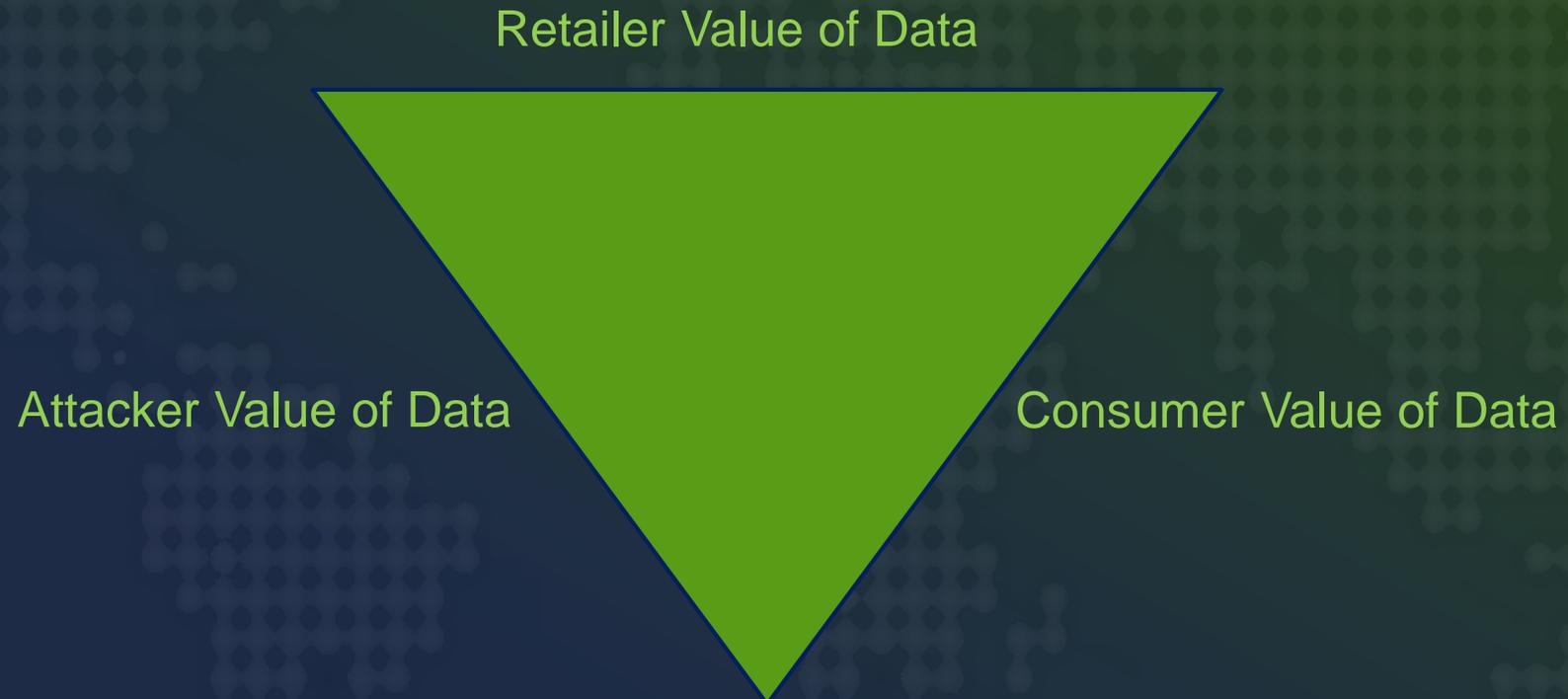
SECURING ECOMMERCE
BEYOND THE FENCE OF PROTECT

IDENTIFY

PROTECT

DETECT

RESPOND

RECOVER

- Evaluating the risk from the triangle of value

- Coverage and visibility in the ecosystem and supply chain

- Logging and monitoring is more than the web platform and access– understanding the transaction normalcy to see the anomalies

- Detect ties to next stage protection – adaptive authentication, variable friction

- Information sharing has a place, and the exchange of threat actor movement in the fraud and platform attacks including automation to keep pace

- The Architecture has to be responsive as well, and the response across dynamic business partners has to be dynamic

- Recovery now includes restoring consumer trust, and the message, action, and abilities increasing at all other stages

FOCUS AND PRIORITY

Securing Other Types of Data

- Transactions, and the dollars accessible are what MOST of the adversaries are after

- Adversaries are playing the long game – account information, synthetic identify, identity inception

- Information of value is more than the credit card

- Different threat actors, motivations, methods and tactics
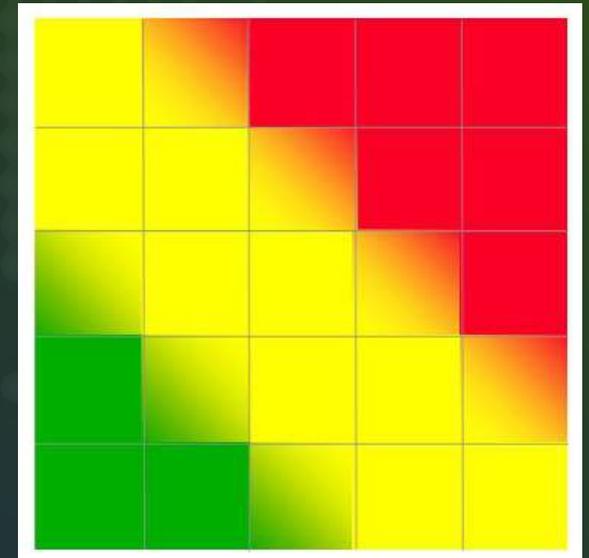
CHALLENGES FOR THE GROUP

- Consider that "The Solution" isn't one size fits all

- If eCommerce security solution was just 2FA, we wouldn't need to be here

- Securing other data types overlaps the eCommerce challenge

- Need to deeply consider how they differ, and then consider how the risks dictate the priority

- Always need to consider the friction level trade-offs, the Data Value Triangle, and the inequality of those value propositions

THANK YOU!

Questions?

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