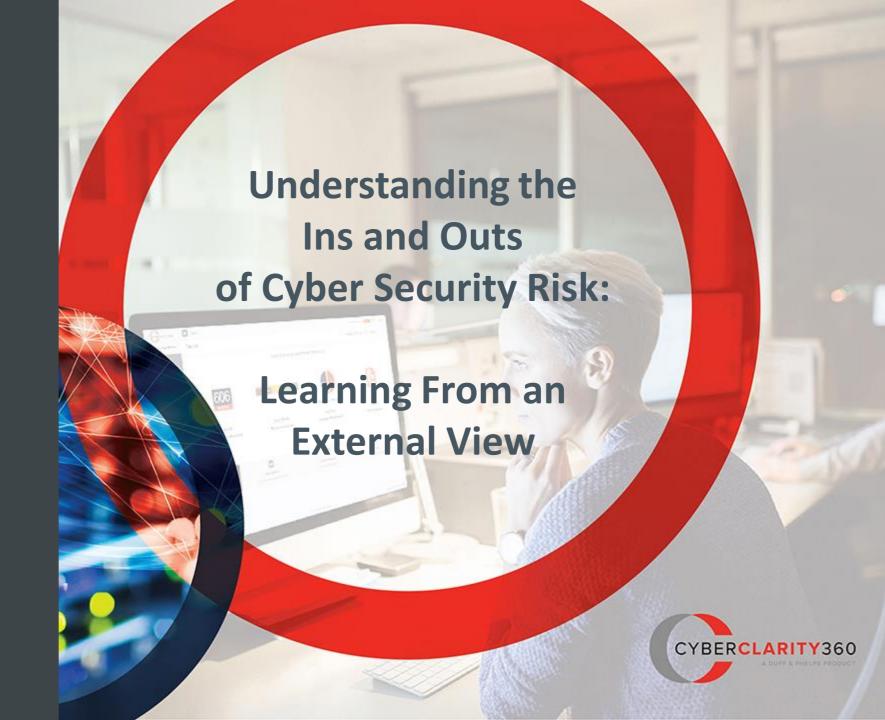
Analyze.
Validate.
Remediate.

Manage Risk Not Spreadsheets.



Introductions



Imran Jaswal
Managing Director,
CyberClarity360



Kevin Braine
Managing Director and Head of EMEA
Kroll Compliance Risk and Diligence



Ryan Spelman Senior Manager CyberClarity360

Webinar Overview



- The value objective "Outside-In" data can bring to your third-party cyber risk management program:
 - Importance of Cyber Risk during Due Diligence
 - What is "Outside-In" data?
 - "Outside-In" data within our CyberClarity360 third-party cyber risk assessment platform
 - How other parts of Kroll are using it for clients



Organizations Hold Valuable Information Wanted by Cyber Attackers













Personally Identifiable Information (PII) Protected Health Information (PHI) Bank & Credit Card Accounts IP & Trade
Secrets

Sensitive Business Intelligence

Increasing Regulations...



State



- Alabama
- New Jersey
- Maryland
- New York (DFS/SHIELD)
- Nevada
- Florida
- Colorado
- Oregon
- ...

Supply Chain





Data Privacy







Potential for Significant Financial Losses



2019: Global average cost of a data breach = \$3.92 million.¹













Extortion Attempts Business Interruption Reputational Damage

Loss of customer and supplier trust

Regulatory Action Negligence & Breach of Contract Claims

¹ Ponemon Institute

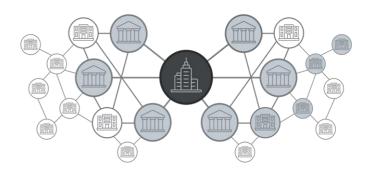
Typical Cyber Risk Mitigation Use Cases



Mergers & Acquisitions



Supply Chain



Mergers & Acquisitions



"Am I buying a breach?"





Drivers



M&A professionals considered cybersecurity a tangible asset



Critical cybersecurity issues or incidents jeopardized M&A deals

When?

- Before selection
- Post-closing

Supply Chain

Many 3rd parties have technology integrated into client products or have access to protected and sensitive information



"Data supply chain security is every corporation's responsibility"



Drivers



Regulations



Data breaches caused by third-parties

11.9M Quest Diagnostics Patients Impacted by AMCA Data Breach

A hacker gained access to American Medical Collection Agency's system, which contained a trove of personal information from it. Policy & Regulation clients, including nearly 12 million patients of Quest Diagnostics

PG&E Fined \$2.7M by Feds for Third Party's **Data Breach**

Rod Walton 8.28.18

When?

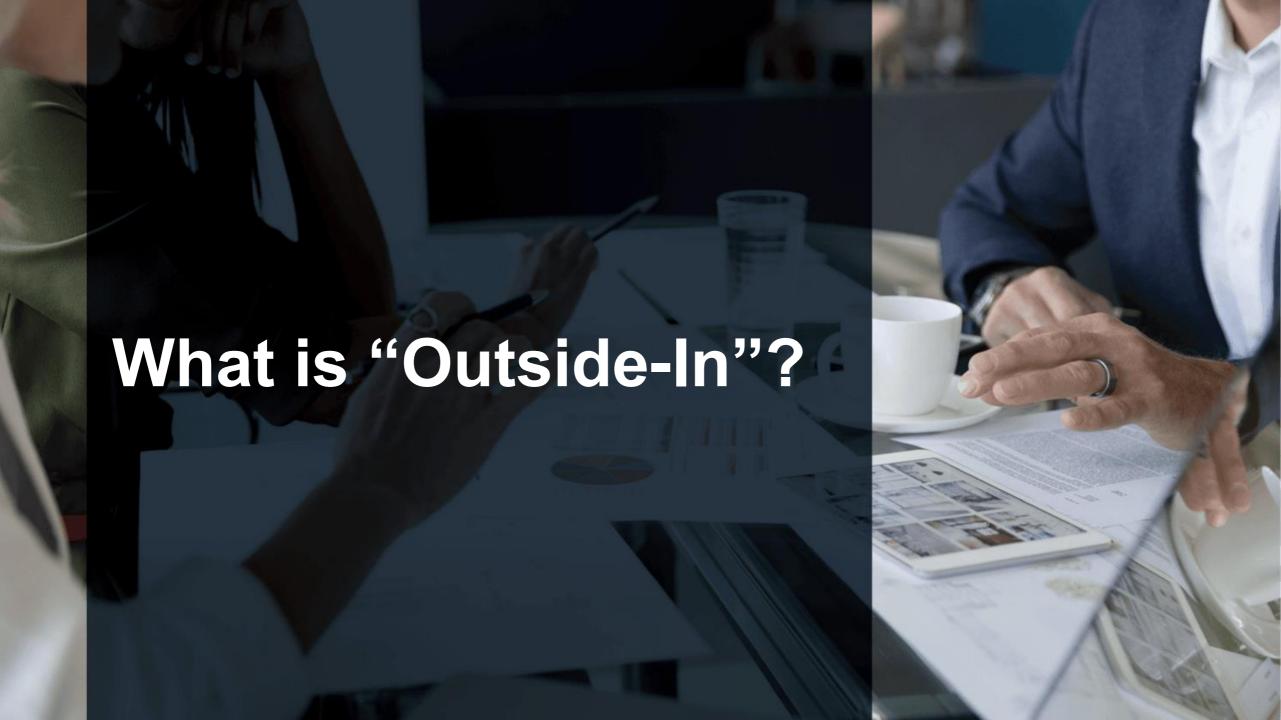
- **Before selection**
- **Onboarding**
- Scope or role change
- Off-boarding

Some 3rd Party Related Data Breaches..

Reported in 2020

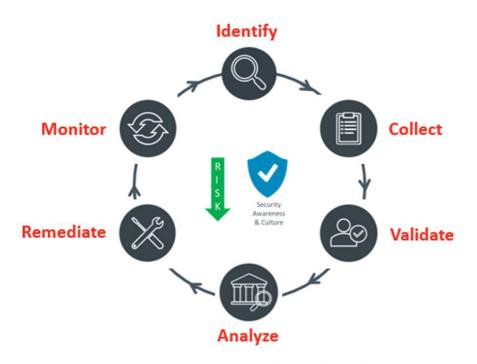


Date	Company	
June	"BlueLeaks" (Netsential), Keepnet Labs	
May	Florida Dept of Economic Activity, TrueCaller	
April	Michigan State University, Marriott	
March	Space X, Tesla, Boeing, PayPal, GE, T-Mobile	
February	Idaho Central Credit Union, Carson City, Brunswick County Schools, TQL Carriers	
January	Instagram, Regus, Mitsubishi, US State Governments	



The Cyber Risk Management Lifecycle





Cyber Risk Management Lifecycle (TPCRM)

At Identify / Collect decide:

- Who?
- What?
- How?

Inside-Out vs. Outside-In







Approach	Engage target to respond to questionnaire	Analyze externally available digital assets and data sources
Challenges	 Self-assessment, subject to 'puffery' Velocity and scale 	Limited scopeUnclear beyond surface
Benefits	Broader scope and deeper dataUnderstand cyber resilience	 Objective and easily scalable Discrete – no engagement needed
Use Case	 M&A – Post Closing Supply Chain – Critical Suppliers 	 M&A – Pre-Closing Supply Chain – Rest of Portfolio

Outside-In Scope and Approach

What do we look at?





Digital Footprint





Security Metrics



At-Risk Digital Identities

Objective:

Consistent data analysis, without influence from the organization, that can stand on its own and be evaluated in an absolute fashion

External:

Gathered from publicly viewable aspects of an organization's IT infrastructure

Discreet:

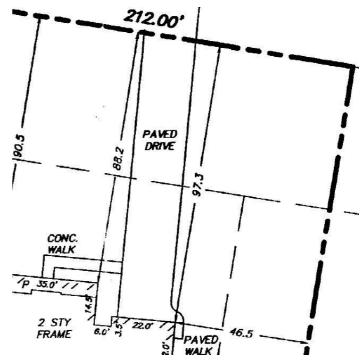
Passive scanning without organization knowledge. No illegal, unethical, or otherwise unallowed activity i.e. no 'hacking' or behind the firewall intrusion



Digital Footprint



- Identifies extent of organization's 'Attack Surface'
- Examines:
 - Domain registrations
 - Hosting Providers
 - Hosting Countries
- The "Property Lines" of the target organizations digital "Address"







- Examines the objective data from the "Digital Address"
- Identifies known vulnerabilities, configuration issues, unpatched systems, or other material weaknesses
- Best to compare to others
 - You don't want to be the worst looking house on the block...







- Sources: Leaks, dumps, hacks, posts, or chats from forums, boards, web sites or other repositories
- Often data that is considered part of the "Dark Web"
- May be caused by a breach of the target organization, or a third-party related to it





Example Client Delivery Models







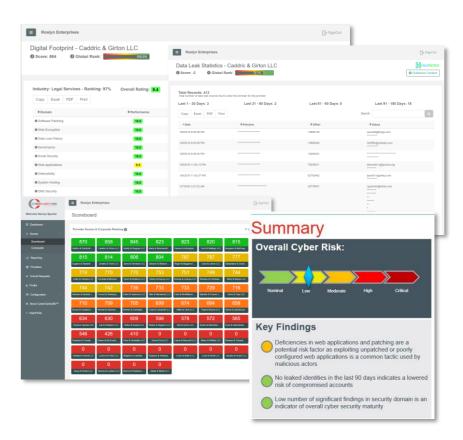
Express

High Velocity, Scalable Portfolio Analysis



- Use our CyberClarity360
 platform to objectively and
 discretely assess your target
 portfolio
- Compare cyber security posture across your portfolio and industry benchmarks
- Enhanced review of specific findings is available





Kroll Due Diligence

Value Proposition



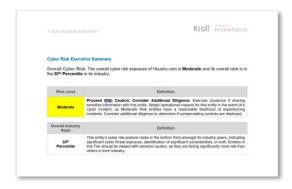


- **Empowering** Clients to rapidly perform cyber risk diligence on existing or potential key partners
- **Enabling** Clients to understand a Target's cybersecurity posture without their engagement
- Delivering key risk findings and actionable mitigation recommendations for M&A and supply chain

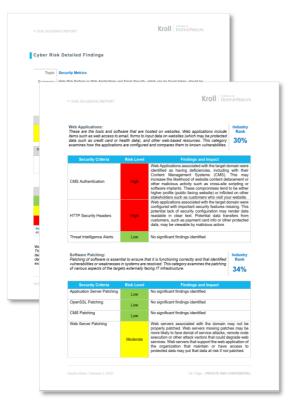
Kroll Cyber Risk Report Structure



Executive Summary



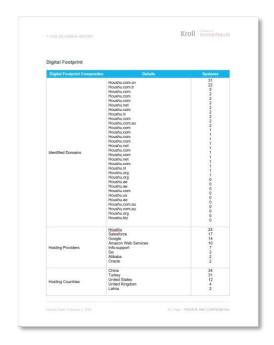
Security Metrics



At-Risk Digital Identities



Digital Footprint





Thank You

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