Charleston CyberLaw Forum

January 23, 2025

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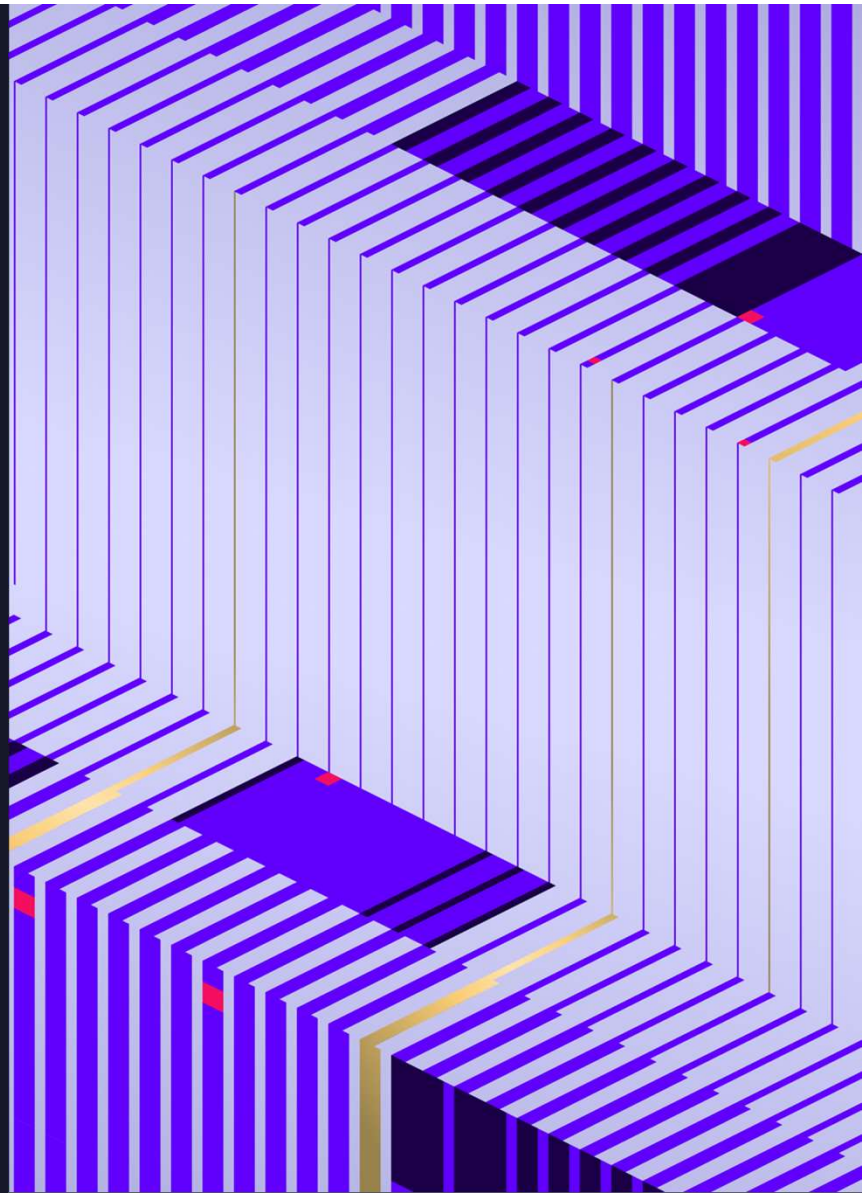

Supply Chain: Longer title

Lowenstein Sandler

KROLL

CRA Charles River Associates

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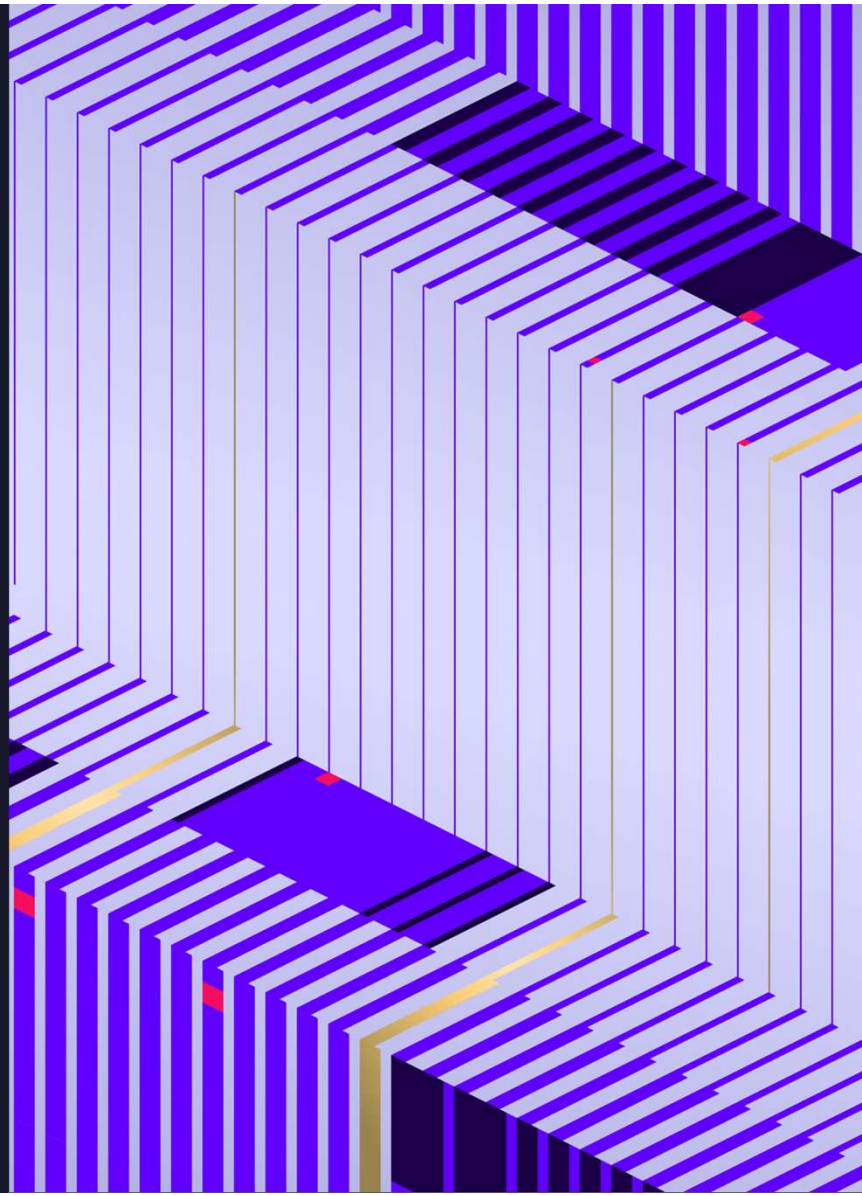

Presenters

Amy Mushahwar

Chair, Data Privacy & Security

Lowenstein

Marc Brawner

Managing Director, Cyber Risk

Kroll

Aniket Bhardwaj

VP Global Incident Response

Charles River Associates

Rich Freidberg

CISO

Live Oak Bank

Presentation Agenda

- 01 What is the Supply Chain?
- 02 Traditional Due Diligence (focusing on FS)
- 03 Software
- 04 Breached Suppliers – Forward-looking Considerations

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What is the Supply Chain?

The term supply chain conjures images of widgets being shipped cross the world for traditional retail. But in cyber security this concept is broader and includes:

- IT Software / Technology
- Outsourcing (IT, Development or Otherwise)
- SaaS Applications
- Services-Based Outsourcing (Servicing, Call Centers, Billing)

SC is the Largest Target of them All – Why?

Table Stakes IT and SaaS are Bottlenecks into 1000s of Orgs

Traditional Outsourced Vendors Often Have More Lenient Security

Large Software Vendors Disclaim Liability

Traditional DD Tools Can Be Ineffective

Audit Reports (PCI, SOC, ISO) *Point in Time*	Questionnaires (SIG) *Too Generic*	Penetration Tests and Vuln Scans *Lucky to Get These, Never w/ Big Vendors*	Contract Clauses and Insurance

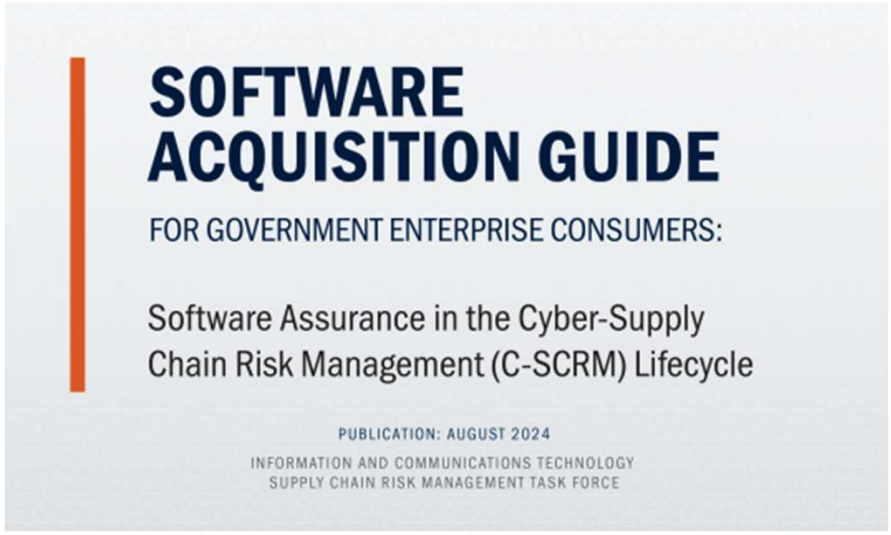
SC Risk is Difficult in Fin Sector

Helpful Risk Mitigators

- Know Your Vendor Requirements
- FS-ISAC
- Audits / Exams
- Industry Vendors (FiServ, FIS, SAP, Oracle, NCR, Jack Henry)
- Established Standards (PCI, FFIEC, GLB, NYDFS)

Blind Spots Remain

- Subcontractors
- Deep interoperation and interdependency on thousands of suppliers, clients and intermediaries



Software Supply Chain

Software vulnerabilities are so prevalent, what can I do as a large company?

-Focus and tabletop response

-Data map and include SBOM Components

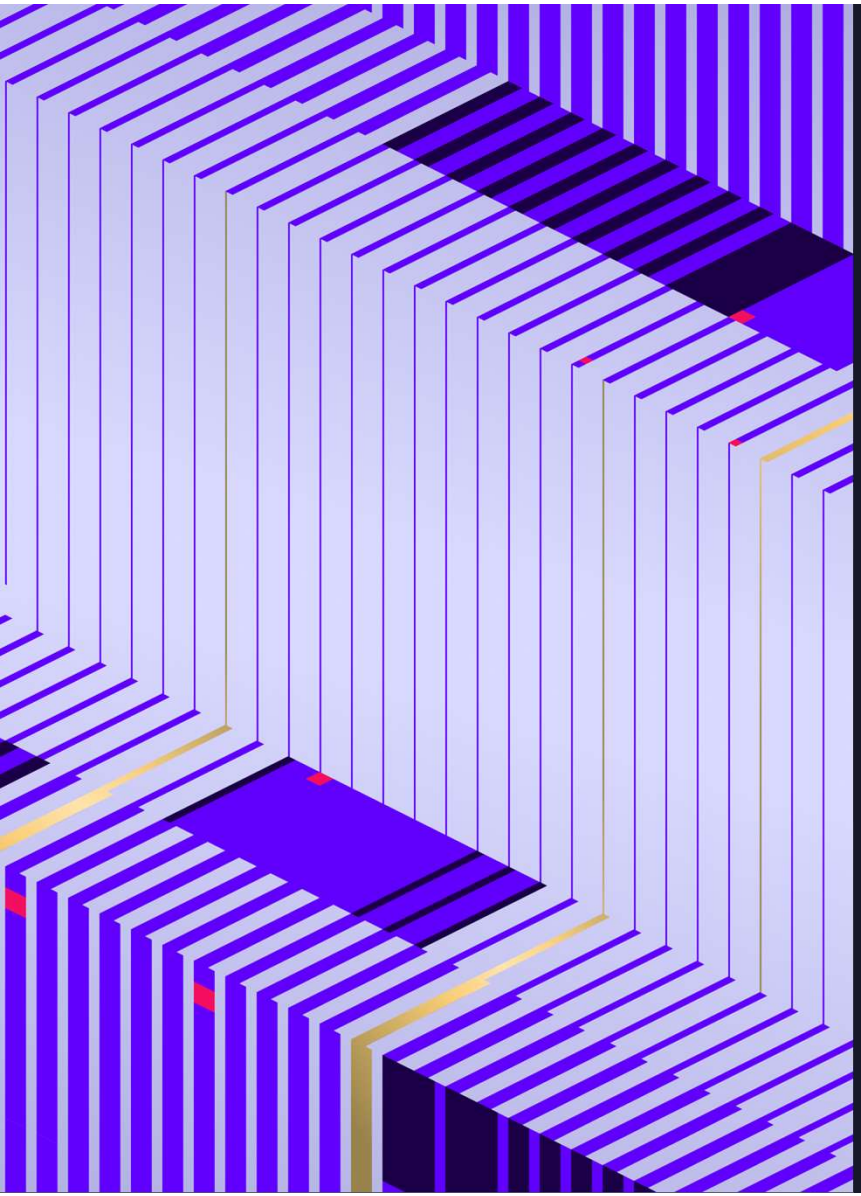
-Cloud deployments (benefits and attack drawbacks)

-What can we learn from federal government contract guidance and EO implementation?

What if Your Company is the Supplier Breached?

Consider Pre-Breach

- Tabletop, Tabletop, Tabletop
- Communications Plan
- Software Segmentation / Architecture to Mitigate Chances of “Wide Open” Breach
- Customer Data
- Customer Notice Package
- Breach as a Service Resources? (Notice, Regulatory Investigations, Litigation and Compliance Package)



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Thank You

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Amy Mushahwar

Chair, Data Privacy & Security, Lowenstein

Amy advises clients on proactive data security practices, data breach incident response, and regulatory compliance. She handles security incidents and has interacted with federal and state agencies and forensic service providers, overseen investigations, and designed post-incident response notification and remediation plans.

In addition to her incident response work, Amy provides compliance support on applicable security laws, PCI-DSS, and security audit standards such as NIST. She also facilitates in-depth security incident simulations. Amy is a former technology consultant and chief information security officer (CISO), and previously owned and operated a technology consulting company.

Marc Brawner

Managing Director, Cyber Risk, KROLL

Marc Brawner is a managing director and Global Head of Managed Services in Kroll's Cyber Risk team, based in Nashville, TN. With a broad business, technology, and cybersecurity background spanning three decades, today Marc leads Kroll's managed services, including its award-winning Kroll Responder managed detection and response (MDR) business – protecting organizations around the world from active and emerging cyber threats.

Aniket Bhardwaj

VP - Global Incident Response - Charles River Associates

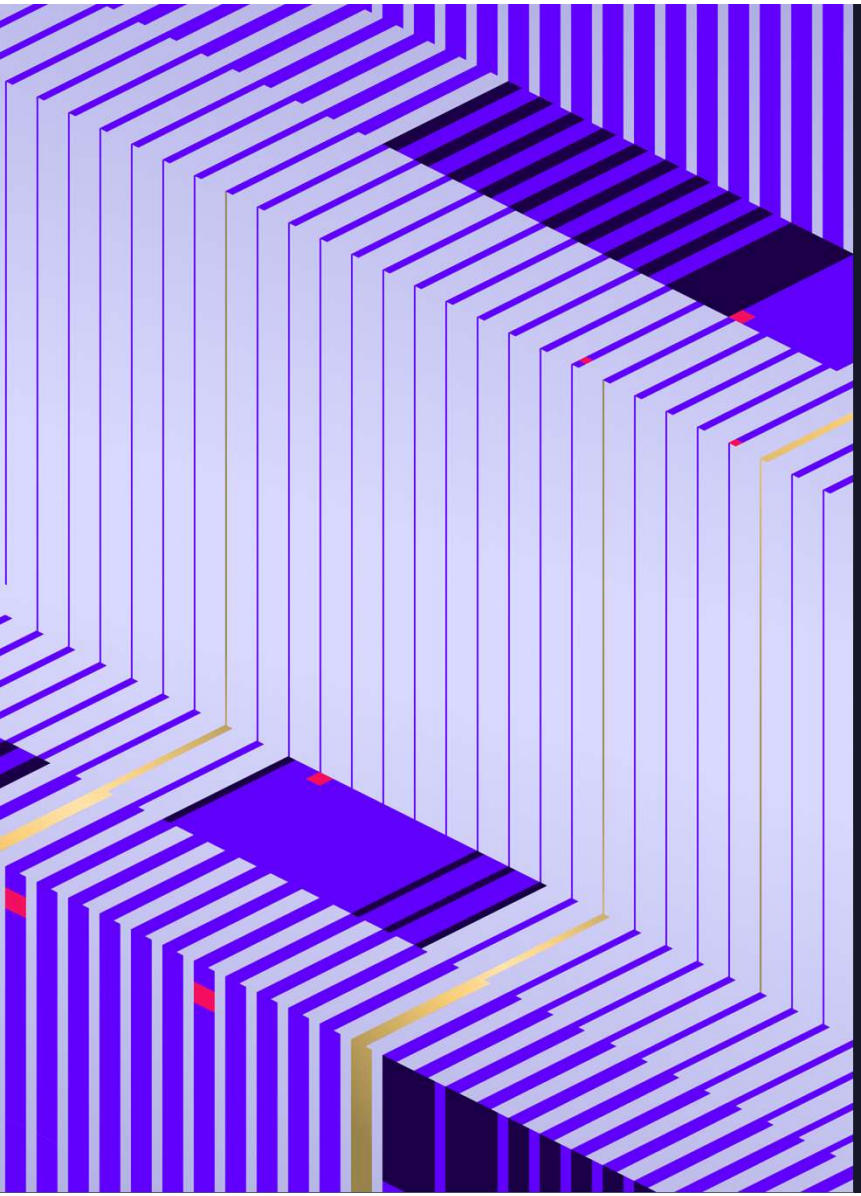
As the Vice President of Charles River Associates' Global Cybersecurity and Incident Response Investigations, Forensics services practice in Toronto, Aniket Bhardwaj provides cyber intrusion investigation services to clients globally. His 20 years of experience in crisis response, threat intelligence, attack surface identification, and other cybersecurity advisory services such as security hygiene, compromise discovery and red team, combined with his well-established understanding of challenges within the nation's critical infrastructure, have made him one of the top cybersecurity leaders globally. Bhardwaj's experience also includes tracking nation-state adversaries, threat actors involved with cyber espionage, and financially motivated crime groups, including insider threats.

Rich Freidburg

CISO - Live Oak Bank

Rich Friedberg is the Chief Information Security Officer (CISO) at Live Oak Bank, a leading digital, cloud-based bank serving small business owners across all 50 states. Live Oak is recognized as the #1 SBA 7(a) lender by dollar volume. Before joining Live Oak, Rich led cybersecurity at Blackbaud, a cloud software and services provider for the social good community. His previous roles include serving as the CISO for the Credit Card division of Capital One, where he led strategic efforts to enable technology transformation and secure public cloud adoption. Rich also served as Deputy Director at the CERT® Coordination Center (CERT/CC), a Department of Defense R&D center operated by Carnegie Mellon University. During his tenure, he played a pivotal role in advancing national-level defense programs, supporting several of the nation's largest breaches, and enhancing the Government's capabilities to track nation-state actors. Prior to his work at CERT, Rich led teams at Fannie Maeacross security engineering, operations, threat intelligence, electronic discovery, and incident response.

Rich holds a BS from Carnegie Mellon University and an MBA from George Washington University. He is also an adjunct instructor at Carnegie Mellon’s executive CISO program. Rich resides in Charleston, SC with his wife, two children, and two dogs.



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