

PROGRAM MATERIALS
Program #3134
February 23, 2021

# Lessons in Disaster: Learning from Law Firm Cyber Breaches

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 Mark Sangster - Author of "No Safe Harbor" and eSentire VP Industry Security Strategies

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# Lessons in Disaster

Learning from Data Breaches

# MARK SANGSTER

Cybersecurity author and advocate











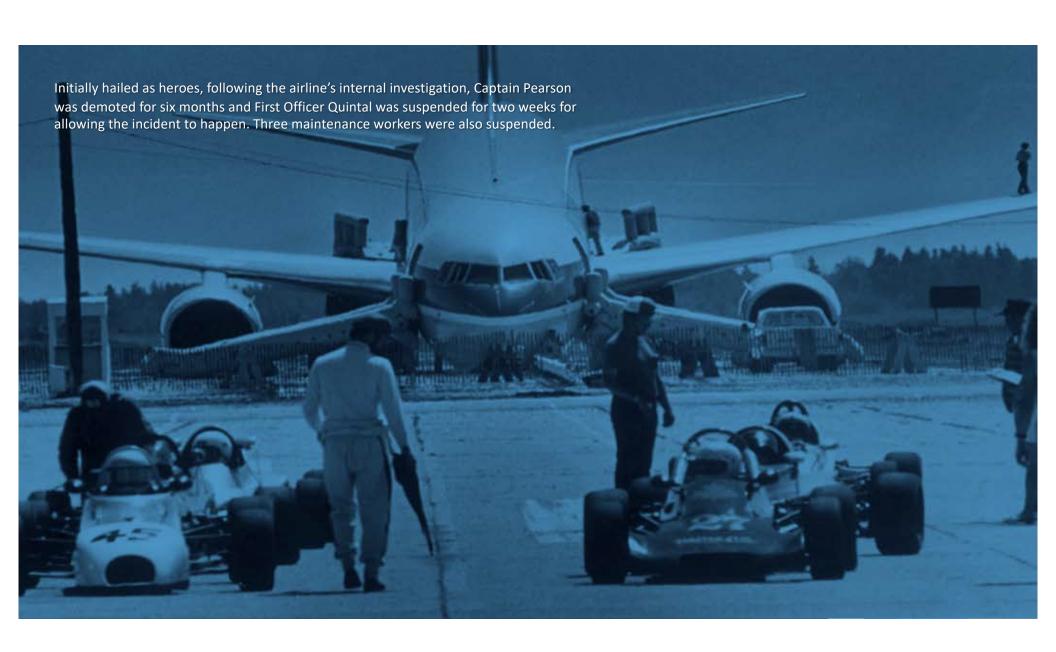
















#### ACCOUNTABILITY COMPLIANCE + CONTRACTS

Third-Party Risk to the Nth Degree \*SENTINE

ACCESS





HANDS-ON



ASSETS

WORKLOADS







MALWARE



eSentire Annual Threat Intelligence Report:

ESENTIRE.

EMERGING TECHNOLOGY SOPHISTICATED THREATS

Research courtesy of eSentire, Inc.

# STATE-SPONSORED actors move down stream while ORGANIZED CRIME grows in ferocity and coordination

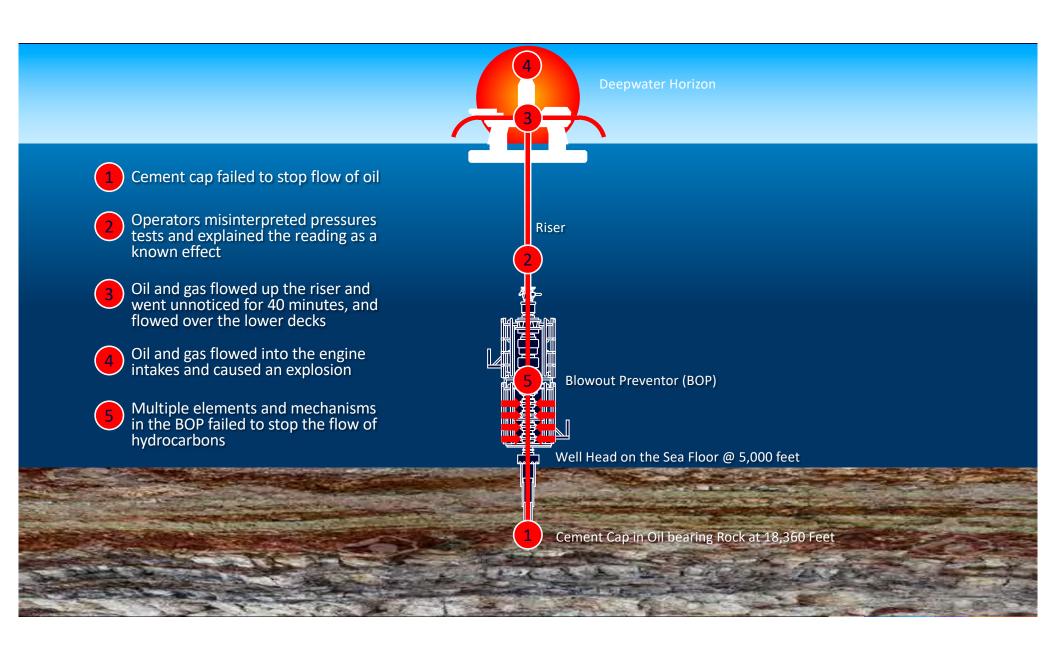


USING YOUR OWN TOOLS
HAND-ON-KEYBOARD

F500 BUSINESS PRACTICES
MALWARE AS-A-SERVICE

THEY UNDERSTAND YOUR BUSINESS CULTURE-BASED ATTACKS







# Third-party risk reality

44%

Experienced a third-party material breach

**15%** 

Were notified by the third party responsible

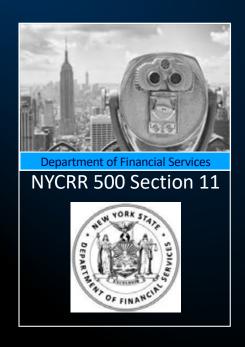
32%

Lack resources to audit third parties

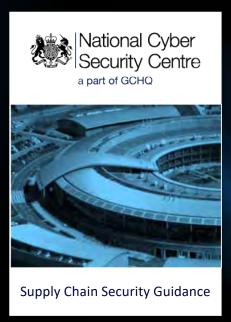


Research courtesy of eSentire, Inc.

# Public references









# The 3Ps of third-party risk

## **POLICIES**

#### MINIMIZE

- 1. Define Supply Chain Policies
- 2. Develop Due Diligence Tools
- 3. Establish Periodic Validation
- 4. Raise Security Awareness
- 5. Encourage Improvement

## **PREVENTION**

#### MEASURE

- 1. Identify Assets and Obligations
- 2. Define Risk Appetite
- 3. Conduct Risk Assessments
- 4. Analyze Results and Risks
- 5. Define Defensive Requirements

### **PROMISES**

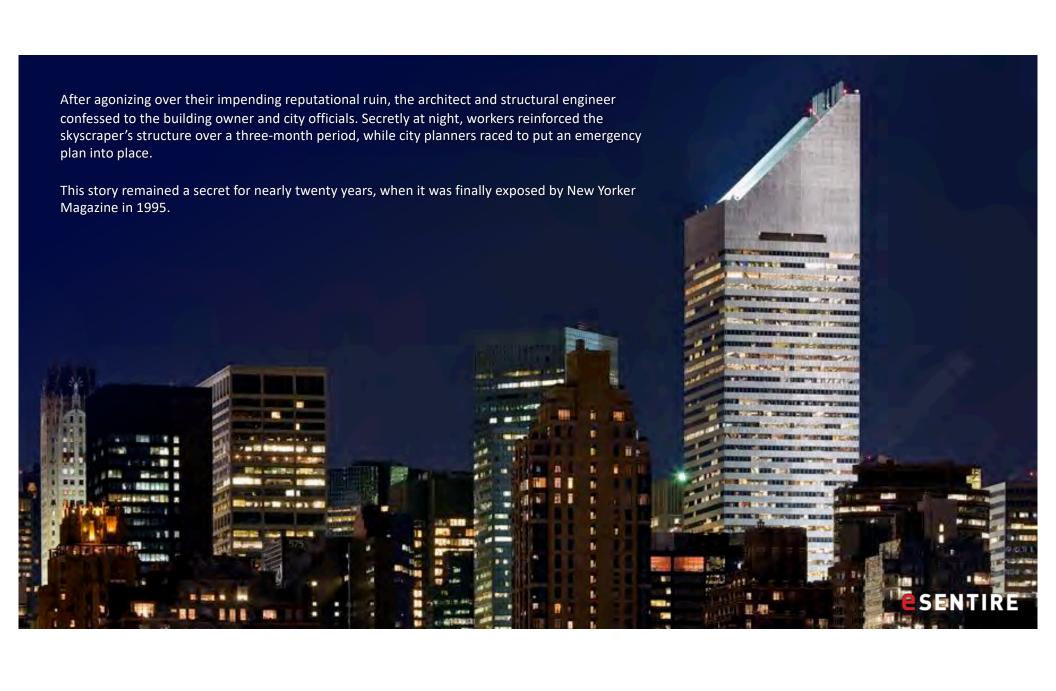
#### MITIGATE

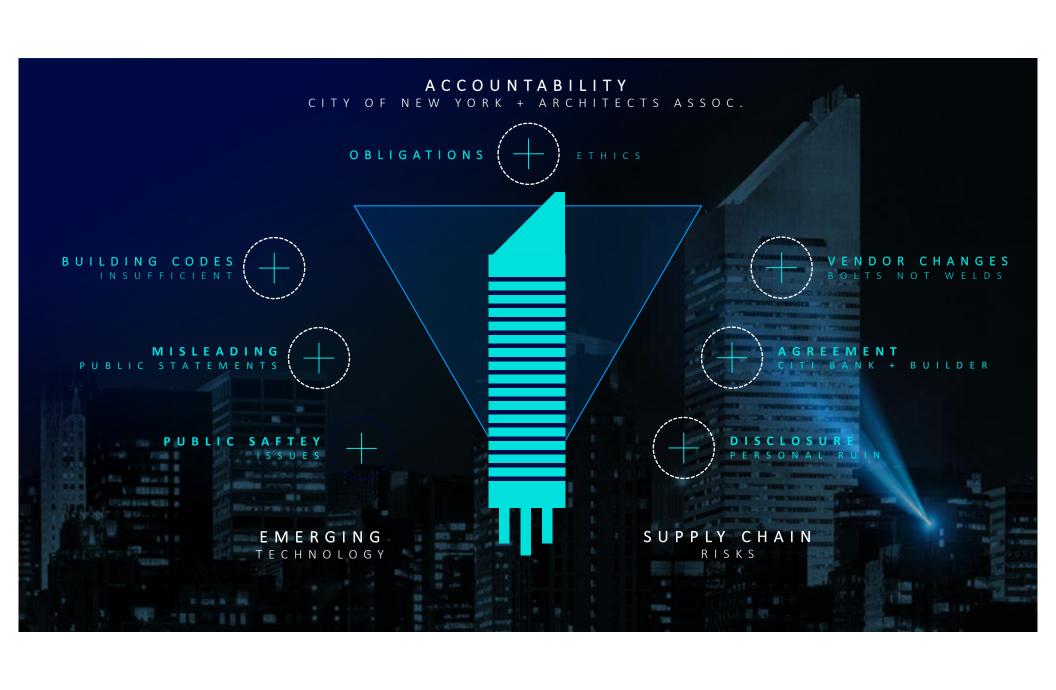
- 1. Contractual Obligations
- 2. Demark Responsibilities
- 3. Establish Minimum Standards
- 4. Document Notifications
- 5. Representations/Warranties

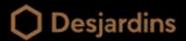
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# Privacy breach - An update on the police investigation

Montreal, November 1, 2019 - On October 31, the Sûreté du Québec informed Desjardins that the privacy breach, which was initially announced on June 20, appears to have affected the data of 4.2 million individual caisse members who do their banking with Desjardins in Quebec and Ontario. There is no information at this time about whether or not more business members have been affected. As a reminder, this situation only involves caisse members who use Desjardins banking services in Quebec and Ontario.

...described the situation as one in which a staffer "shared" personal information of 2.7 million people. (later increased to 4.2 million)



John MacFarlane · CBC News · Posted: Nov 01, 2019 10:44 AM ET | Last Updated: November 1, 2019
Guy Cormier, president and CEO of Desjardins Group, speaks during a news conference in Montreal Friday, explaining the data theft is much larger than first thought. (Ivanoh Demers/Radio-Canada)

#### THE WALL STREET JOURNAL.

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MARKETS

# Capital One Cyber Staff Raised Concerns Before Hack

Cybersecurity employees reported what they saw as staffing issues and other problems to bank's internal auditors, human-resources department and other senior executives

#### By AnnaMaria Andriotis and Rachel Louise Ensign

Updated Aug. 15, 2019 6:08 pm ET

The data breach was tied to the detection of "an outside individual" who was able to get unauthorized access to personal information from Capital One credit card customers.

Before a giant data breach at Capital One Financial Corp., employees raised concerns within the company about what they saw as high turnover in its cybersecurity unit and a failure to promptly install some software to help spot and defend against hacks, according to people familiar with the matter.

The cybersecurity unit—responsible for ensuring Capital One's firewalls were properly configured and scanning the internet for evidence of a data breach—has cycled through senior landers and staffers in recent years, according.

#### THE WALL STREET JOURNAL.

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Before a giant data breach at Capital One Financial Corp., COF 3.02% employees raised concerns with

LAW360

Capital One Ordered To Release Report Of Massive Data Heist

Law360 (May 27, 2020, 10:47 PM EDT) -- Capital One Financial Corp. has been ordered disclose a cybersecurity firm's formus of management of the massive 2019 data breach, after a

Before a giant data breach at Capital

within the company about what the

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www.dailymail.co.uk > news > article-7362679 > Capit..

Capital One employees 'alerted manage

Aug 15, 2019 - But before that huge hack, employees or the company came long concerns that they were understaffed, there were problems with the ...

IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF VIRGINIA Alexandria Division

IN RE: CAPITAL ONE CONSUMER DATA SECURITY BREACH LITIGATION

MDL No. 1:19md2915 (AJT/JFA)

This Document Relates to the Consumer Cases

#### MEMORANDUM OPINION AND ORDER

This matter is before the court on plaintiffs' motion to compel production of Mandiant Report and related materials. (Docket no. 412). Plaintiffs have filed a memorandum in support (Docket nos. 413, 416). Capital One has filed an opposition (Docket no. 435), and plaintiffs have filed a reply (Docket nos. 445, 447). The court heard argument on this motion on May 15, 2020. Having reviewed the pleadings filed by the parties and considered the arguments raised by coursel, and for the reasons stated below, the court finds that Capital One has not carried its burden of establishing that the Mandiant Report is entitled to protection under the work product doctrine.

#### Background

Capital One entered into a Master Services Agreement ("MSA") with Firefiye, Inc., d'b'a Mandiant ("Mandiant") on November 30, 2015, and thereafter entered into periodic Statements of Work ("SOW") and purchase orders with Mandiant pursuant to the MSA. (Blevins Decl. ¶ 4, Docket no. 435-1). As stated by Jeffrey Blevins II, a senior manager of Capital One's Cyber Security Operations Center, "one purpose of the MSA and associated SOWs was to ensure that Capital One could quickly respond to a cybersecurity incident should one occur. As a financial institution that stores financial and other sensitive information, it is critical that Capital One be

a so be performed under the direction of commel and if

ation to compel is granted in part. Opini One shall provide a Repety paraman to the terms of the Protective Order with Local Civil Rule 57(C). Capital One shall have eleven plaintiffs' motion to compel "related materials" is derived artist One's opposition, the issues concerning all related tokes no. 435 at 28-30). The parties have not had an evidence over related materials and to consider my the may be entitled to be withheld from production even if at the entitled to work grodust protection.

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 $\boldsymbol{Mark\ Sangster\ \mathtt{VP}\ and\ industry\ security\ strategist,\ eSentire}$ 

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#### U.S. DEPARTMENT OF THE TREASURY

## Treasury Department Issues Ransomware Advisories to Increase Awareness and Thwart Attacks

Advisories provide guidance and tools to recognize, resist, and report attacks

WASHIGTON-The U.S. Department of the Treasury's Office of Terrorism and Engancial Intelligence Indian

issued a pair of advisories to as and attacks, which continue to implemented and enforced by implications for persons involve ransomware payments are vital extort individuals and business



#### U.S. DEPARTMENT OF THE TREASURY

# Ransomware Advisory

10/01/2020

The U.S. Department of the Treasury's Office of Foreign Assets Control (OFAC) is issuing an advisory to alert companies that engage with victims of ransomware attacks of the potential sanctions risks for facilitating ransomware payments . This advisory highlights OFAC's designations of malicious cyber actors and those who facilitate ransomware transactions under its cyber-related sanctions program. It identifies U.S. government resources for reporting ransomware attacks and provides information on the factors OFAC generally considers when determining an appropriate enforcement response to an apparent violation, such as the existence, nature, and adequacy of a sanctions compliance program. The advisory also encourages financial institutions and other companies that engage with victims of ransomware attacks to report such attacks to and fully cooperate with law enforcement, as these will be considered significant mitigating factors.



## FINCEN ADVISORY

FIN-2020-A006

October 1, 2020

#### Advisory on Ransomware and the Use of the Financial System to Facilitate Ransom Payments

Detecting and reporting ransomware payments are vital to prevent and deter cybercriminals from deploying malicious software to extort individuals and businesses and hold ransomware attackers accountable for their crimes.

This Advisory should be shared with:

Chaltenanium Ottom

#### Introduction

The Financial Crimes Enforcement Network (FinCEN) is issuing this advisory to alert financial institutions to predominant trends, typologies, and potential indicators of ransomware and associated money laundering activities. This advisory provides information on: (1) the role of financial intermediaries in the processing of ransomware payments; (2) trends and typologies of ransomware and associated payments; (3) ransomware-related financial red flag indicators; and (4) reporting and sharing information related to ransomware attacks.

The information contained in this advisory is derived from FinCEN's analysis of cyber- and ransomwarerelated Bank Secrecy Act (BSA) data, open source reporting, and law enforcement partners.

Ransonnears is a form of malicious software
("malware") designed to block access to a computer
system or data, often by encrypting data or programs
on information technology (IT) systems to extort
ransom payments from victims in exchange for
decrypting the information and restoring victims'
access to their systems or data. In some cases, in
addition to the attack, the perpetrators threaten
to publish sensitive files belonging to the victims,
which can be individuals or business entities

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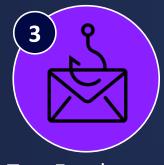
# Cybersecurity is not an IT Problem to solve... It's a Business Risk to manage.



Understand your role



Conduct awareness training



Test Employees friendly phishing



Report suspicious emails



Establish controls + governance

# Leadership: Finding factors not fault

A W A R E N E S S

Understand the impact of cyber risks and trends, experiencing business impact of a breach and exposing personal risks

REPORTING

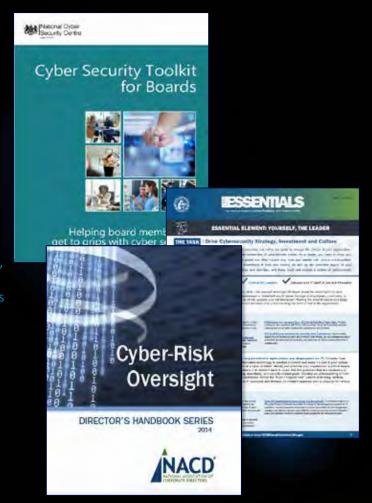
Annual planning, quarterly reporting, dashboards and peer/industry comparisons of performance

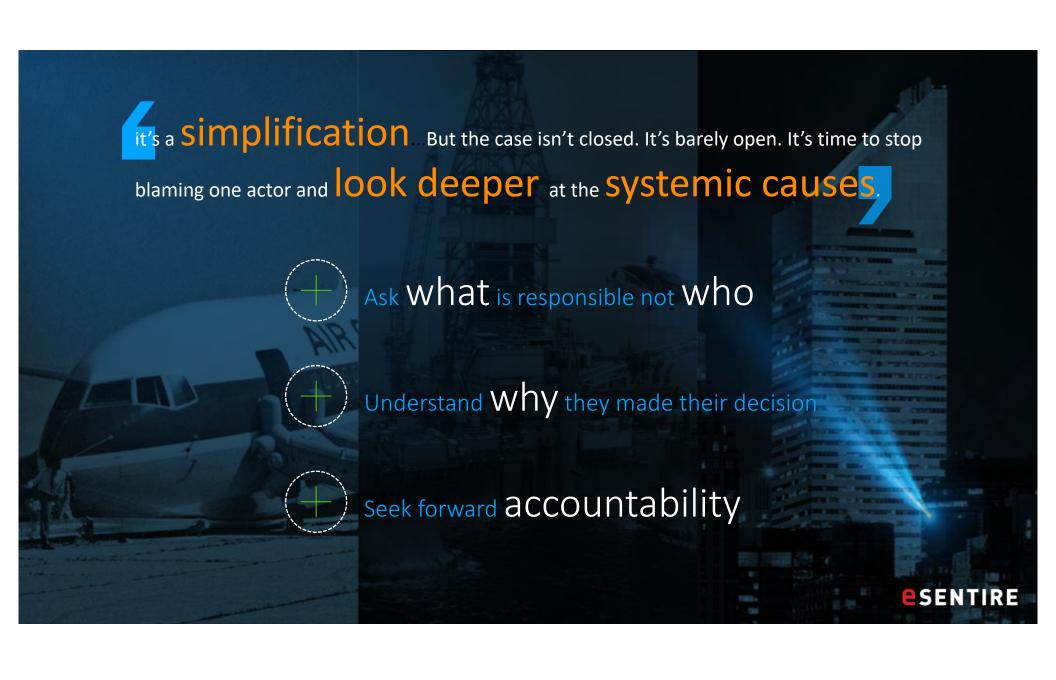
RISK
Identifying non-public assets,
protected data, and documenting
regulatory and contractual
obligations

INCIDENTS
Understanding incident response, board roles, critical business decisions, reporting to authorities and crisis communications

PROGRAM

Establishing budget, staffing and programs that align to overall business risk priorities





# NO SAFE HARBOR

THE INSIDE TRUTH
ABOUT CYBERCRIME—
AND HOW TO PROTECT
YOUR BUSINESS

MARK SANGSTER

I can't think of anyone better qualified to tell cybersecurity war stories than Mark. This book is a riveting read, filled with details that people don't normally get to hear about.

Danny Bradbury,
Dark Reading

Mark's book gets to the root causes of why there is no safe harbor for any of us. Each chapter lists practical cyber security steps we should all take – starting today!

Mike StJohn-Green, Independent Cybersecurity Consultant

Mark's advice could not have arrived at a more propitious moment. The book reads like a collection of short stories, all revolving around a central theme: Cybersecurity is a business risk. This book should be essential reading for senior management and corporate directors.

Kenneth Rashbaum, Partner, Barton LLP











