Cyber Security & Risk Management for Lawyers

Thursday, April 17, 2024
Paul Cope & Mike Hoeflich

A CLE Seminar presented by

Joseph Hollander & Craft LLC
Lawyers and Counselors

Today's Presenters

Paul W. Cope, J.D.

Director, Master of Science in Homeland Security: Law and Policy Program

The University of Kansas
School of Law

Michael H. Hoeflich, Ph.D., J.D.

John H. & John M. Kane Distinguished Professor of Law

The University of Kansas
School of Law

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Overview

Part 1 – Paul Cope, J.D.

- Law Firms as Targets

- Types of Cyberattacks
  - How Cyberattacks Work

- Examples of Attacks in the Legal Field

- How to Protect Your Data

Part 2 – Dr. Mike Hoeflich

- Malware that Keeps on Giving: Volt Typhoon and the Coming Cyber Apocalypse

- Defending against Malware under the *Rules of Professional Responsibility*

- Costs of Data Breaches, Insurance, Active Monitoring

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Part 1
Overview of Cyber Security & Risks

PRESENTED BY: PAUL COPE, J.D.

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US health department, law firms latest hit in wide-ranging hack

By **Raphael Satter**

June 29, 2023 12:19 PM CDT · Updated 4 months ago

Law Firm Data Breaches Surge In 2023

Cybercriminals appear to be successfully hitting small and large firms alike.

It's Open Season on Law Firms for Ransomware & Cyberattacks

Law firms have an ethical responsibility to protect their clients' sensitive information, but a recent swell of cyberattacks does not seem to be enough to convince law firms to shore up cybersecurity.

Becky Bracken
Editor, Dark Reading

June 26, 2023

Massive cybersecurity breach hits biggest US law firms

By Isabel Vincent

Published July 8, 2023, 4:20 p.m. ET

Hackers Working for Lucrative Cyber Attack Industry See Law Firms as Rich Targets

By Paula L. Green

January 19, 2024

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THE HIGH COST OF DATA BREACHES

The cost of a data breach rose 2.6% in 2022 from 2021 and 12.7% overall from the 2020 report.[1]

AVERAGE COST OF A DATA BREACH[1]

$4.35
MILLION GLOBALLY

$9.44
MILLION IN THE UNITED STATES

(up from $9.05 million in 2021)

COST PER LOST RECORD

$164
GLOBALLY[1]

$242
IN THE UNITED STATES[2]
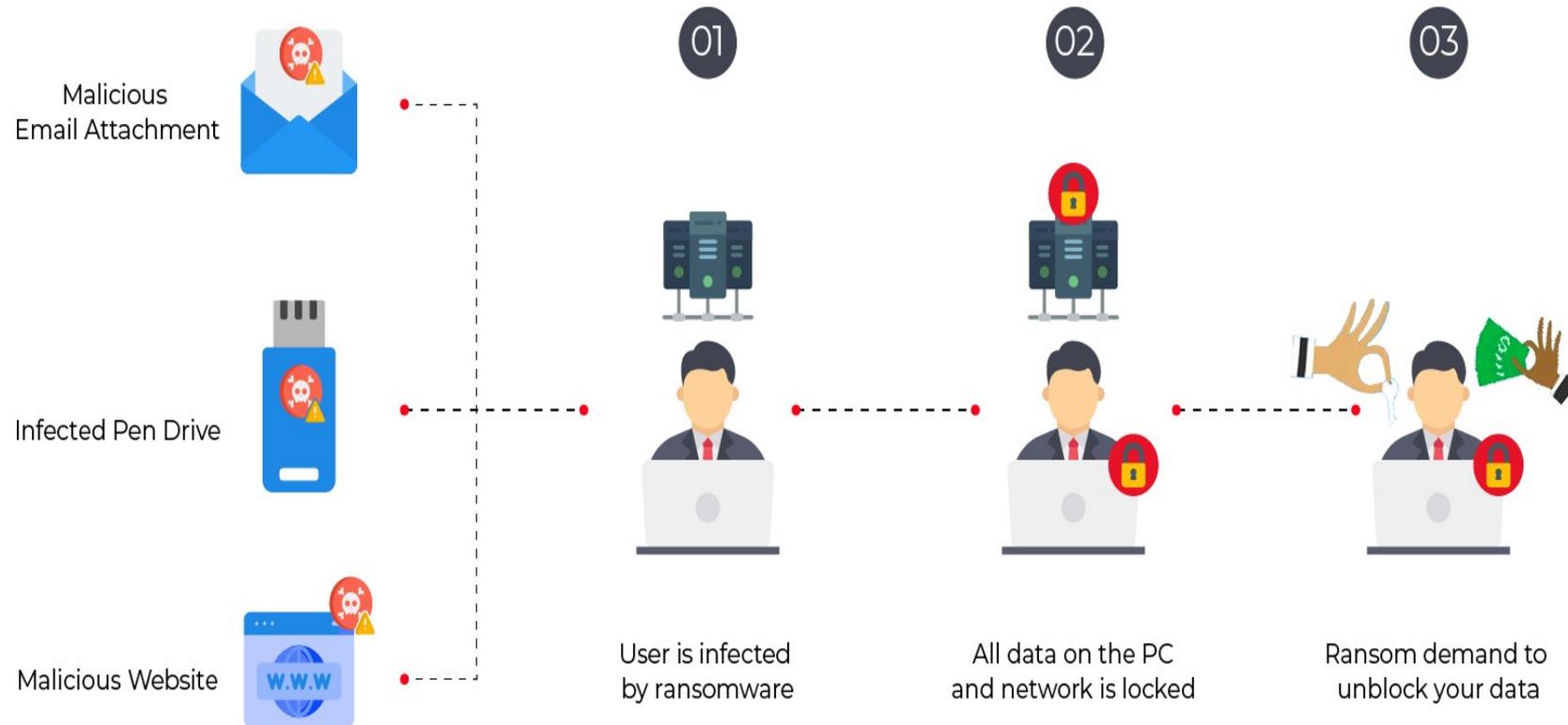
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TYPES OF CYBERATTACKS LEADING TO DATA BREACHES IN 2022[4]

26% ▶ Phishing/smishing/business email compromise

15% ▶ Ransomware

4% ▶ Malware

0.5% ▶ Non-secured cloud environment

1% ▶ Credential stuffing

0.4% ▶ Zero day attack

40% ▶ Not specified

1% ▶ Other

(Note: percentages are based on the total number of attacks for the year.)

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How Ransomware works?

01

02

03

Malicious
Email Attachment

Infected Pen Drive

Malicious Website

User is infected
by ransomware

All data on the PC
and network is locked

Ransom demand to
unblock your data

KRATIKAL
SECURE FOR SURE

Source: https://kratikal.com/blog/wp-content/uploads/2021/03/How-Ransomware-Works-1.jpg

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HOW PHISHING WORKS

Attackers send emails or other communications, **manipulating the receiver** into opening a malicious file or clicking a link

RESULT:

MALWARE IS AUTOMATICALLY DOWNLOADED to their device

Or, a **SPOOFED WEBSITE** collects login credentials resulting in compromised information

OVER HALF

of all phishing attacks **contain malware**

More than 2 in 3 phishing attempts used a malicious link

RESULT:
Fake Invoices paid, false bank transfers made

When someone clicks, the attacker gains prolonged access to the system —
On average less than 2 minutes after the email reaches the inbox

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Cyberattack on Wyandotte County under investigation by FBI, DHS: officials

BY BILL LUKITSCH

APRIL 18, 2022 7:35 PM

NEWS
Wyandotte County court system still impacted by cyber attack

by: Sean McDowell
Posted: May 12, 2022 / 05:35 PM CDT
Updated: May 12, 2022 / 06:46 PM CDT

Cybersecurity attack targets Unified Government of KCK

UG officials said they are working with the U.S. Department of Homeland Security and the FBI

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KMBC 9 abc NEWS   Updated: 5:33 PM CDT Apr 19, 2022

- District Attorney: Some services may be delayed. Please contact Jonathan Carter at 913-573-2849 for any updates.
- District Court: The District Court is currently not accepting e-filings. If you need to file something, please come to the Courthouse (710 N. 7th Street, KCK, 66101) or send your paperwork via fax:

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Orrick, Herrington & Sutcliffe - 2023

Orrick, Herrington & Sutcliffe breach exposes over 460K people

Updated on: 21 August 2023

Vilius Petkauskas, Deputy Editor

BIGLAW

Orrick Hit With Class Action Lawsuit Over Data Breach

The complaint alleges the Biglaw firm failed to keep data safe.

By KATHRYN RUBINO on August 14, 2023 at 4:15 PM

Proskauer Rose - 2023

Major Biglaw Firm Suffers Cyber Security Breach Of Mergers & Acquisitions Data

The data was reportedly left unsecured for six months.

By KATHRYN RUBINO on April 10, 2023 at 6:33 PM

Security

Legal powerhouse Proskauer exposed clients' confidential M&A data

Carly Page   @carlypage_   /   9:05 AM CDT • April 6, 2023   💬 Comment

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Allen and Overy- 2023

CYBER SECURITY   NEWS   · 3 MIN READ

Magic Circle Law Firm Allen & Overy Suffers a LockBit Cyber Attack After Shearman & Sterling Merger

ALICIA HOPE   ·   NOVEMBER 16, 2023

Allen & Overy Hit By Ransomware Cyber Attack

The hackers threatened to publish the Biglaw firm's data unless it negotiates a price by November 28.

By STACI ZARETSKY on November 13, 2023 at 1:13 PM

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Kansas Court System - 2023

TOPEKA—The Kansas Supreme Court says state courts will stay open and rely on paper filings while the Office of Judicial Administration works with experts to find the reason for and the extent of a security incident that disrupted the information systems on which state courts operate.

LOCAL NEWS

Security breach in Kansas court network system

by: Bobbie Pottorff
Posted: Oct 13, 2023 / 11:41 AM CDT
Updated: Oct 13, 2023 / 11:41 AM CDT

Kansas officials blame 5-week disruption of court system on 'sophisticated foreign cyberattack'

Foreign cyberattack stole residents' sensitive information from Kansas court system

BY **DANIEL DESROCHERS**

UPDATED NOVEMBER 21, 2023 1:29 PM

Kansas' chief justice blames Russian ransomware hackers for disabling court's electronic systems

Luckert tells legislators state didn't pay ransom demanded of cybercriminals

BY: **TIM CARPENTER** - JANUARY 10, 2024   3:59 PM

Kansas courts' computer systems are starting to come back online, 2 months after cyberattack

BY JOHN HANNA

Updated 5:11 PM CDT, December 14, 2023

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Protect Your Data!

1. Create and implement a data security policy. Train it and enforce it!

2. Implement a strong password policy.

3. ENCRYPTION!

4. Have a backup system.

5. Develop, implement, and exercise an incident response plan.

6. Conduct risk assessments

7. Trust, but verify.

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Part 2
Resident Evil

PRESENTED BY: DR. MIKE HOEFLICH

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Thanks for Attending!

QUESTIONS?

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