

Agenda

What we're going to cover today:

- ▶ Who We Are
- ▶ Recent Cybersecurity Threats to Law Firms
- ▶ California Consumer Privacy Act (CCPA)
- ▶ Enhancing Your Firm's Information Security
- ▶ Questions, Questions, Questions
 - ▶ Please add chat questions throughout!



Who Are We?

Innovative Computing Systems, Inc.

- ▶ Since 1989, Innovative Computing Systems, Inc. has been the first-choice partner of law firms, legal departments and professional services organizations looking to define or improve a comprehensive IT strategy; implement, integrate and support best-in-class legal and horizontal technologies; enhance cybersecurity and leverage the power of cloud computing.
- ▶ We are deeply committed to maintaining long-term strategic relationships with clients to ensure the highest levels of success with their IT initiatives.



Innovative Computing Systems

Trusted Legal Technology Partner

30+ YEARS
of Excellence



**Cybersecurity is a Journey
Not a Destination**

Cyberattacks Against Law Firms

Law firms have long been targets.

New York Ethics Opinion 1019 warned attorneys in May 2014 about this threat environment:

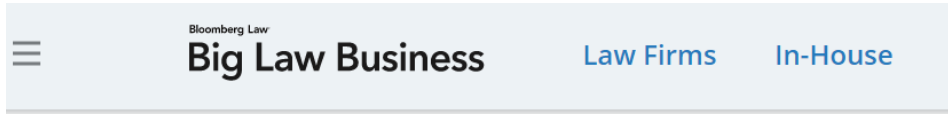
“Cyber-security issues have continued to be a major concern for lawyers, as cyber-criminals have begun to target lawyers to access client information, including trade secrets, business plans and personal data. Lawyers can no longer assume that their document systems are of no interest to cyber-crooks.”

Source: “[2018 Cybersecurity](#),” *TECHREPORT*, American Bar Association



Cyberattacks Against Law Firms

And it's only gotten worse.



Wake Up Call: 80 of 100 Big Law Firms Have Been Hacked Since 2011

Elizabeth Olson - Special Correspondent
Aug. 17, 2015

Source: [Big Law Business/Bloomberg BNA](#)

by [Jay Reeves](#) | February 22, 2018

One in 5 Law Firms Hacked Last Year



By Adrian Zmudzinski

FEB 03, 2020

Hackers Stole and Encrypted Data of 5 U.S. Law Firms, Demand 2 Crypto Ransoms

Source: [Cointelegraph](#)

More Than 100 Law Firms Have Reported Data Breaches. And the Problem Is Getting Worse

A Law.com investigation finds that law firms are falling victim to data breaches at an alarming rate, exposing sensitive client and attorney information. These incidents—most unpublicized before now—may just be the tip of the iceberg.

By Christine Simmons, Xiumei Dong and Ben Hancock | October 15, 2019 at 01:10 PM

Source: [ABA Journal](#)



Cyberattacks Against Law Firms

Increasingly, clients are seeking proof of data security.

Security Assessments and Client Requirements

Clients are increasingly focusing on the information security of law firms representing them and using approaches like required third-party security assessments, security requirements, and questionnaires.

The increased use of security assessments conducted by independent third parties has been a growing security practice for businesses and enterprises generally. Law firms have been slow to adopt this security tool, with only 28% of law firms overall reporting that they had a full assessment, but it increased from 27% last year and 18% in 2017. Affirmative responses generally increase by size of firm.

Source: "[2018 Cybersecurity](#)," *TECHREPORT*, American Bar Association



Cyberattacks Against Law Firms

Yet firms remain unprepared.



Despite Hacking Threats, Law Firms Lag Behind On IT Security

October 30, 2019



Recent Cyberthreats to Law Firms

Common Threats Faced by Law Firms



Phishing

Emails purporting to be from reputable companies seeking to personal information, such as passwords and credit card numbers.



Ransomware

Average ransom demand is increasing:
Q4 2018: \$6,700 → Q1 2019: \$13,000
Q3 2019: \$41,000 → Q4 2019: \$84,000

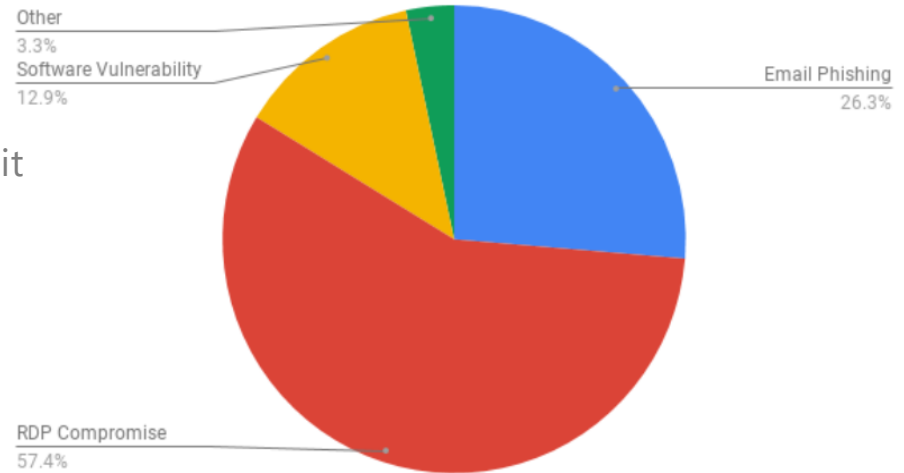
Source: [Coveware](#)



Whaling

Phishing targeting high-level individuals with finance authority

Most Common Ransomware Attack Vectors Q4 2019



California Consumer Privacy Act

CCPA in Brief

Applies To



For-profits conducting business in California that collect personal data of California residents



Earn annual gross revenues in excess of \$25 million



Possess the personal information of 50,000 or more consumers, households & devices



Earn more than half of their annual revenue from selling consumers' personal information.

- Effective January 1, 2020
- Enforcement Starts Mid-2020
- Audit Your Data
- Review Partners' Use of Data
- Consult Your Legal Professional



California Consumer Privacy Act

CCPA in Brief

Exceptions

Entities processing information already governed by the Health Insurance Portability and Accountability Act (HIPAA) or California Confidentiality of Medical Information Act (CMIA), Gramm-Leach-Bliley Act or California Financial Privacy Information Act or Driver's Privacy Protection Act of 1994.

OR

Companies taking part in a sale of personal information to or from a consumer reporting agency to be reported in or used to generate a consumer report.

OR

My company takes part in efforts to comply with federal, state, or local law; a civil, criminal, or regulatory investigation; or a subpoena or summons that are contrary to the CCPA regulation.

OR

My company cooperates with law enforcement agencies or exercises/defends legal claims that are contrary to the CCPA regulation.



California Consumer Privacy Act

CCPA in Brief Privacy Rights

ACCESS

Right to access: When you request it, the company has to inform you what categories and which specific pieces of personal information they have collected about you.

NOTICE

Right to notice: The company has to inform you before the point of collection about the categories of personal information they collect and the purposes for which the categories of personal information shall be used.

FORGET

Right to be forgotten: The company has to delete your data when you request it.



California Consumer Privacy Act

CCPA in Brief Privacy Rights

OPT-OUT

Right to opt-out: The company has to make sure you can opt-out from them selling your personal data to third parties when you request it.

OPT-IN

Right to opt-in: By default, the company should not sell your personal information when you are between 13 & 16 years of age. Nevertheless, the company needs to create a process to allow you to opt-in if you would like to.

EQUALITY

Right to equal services and prices: The company has to provide you the right to equal services and prices if you opt-out.

(1) The following opt-out button or logo may be used in addition to posting the notice of right to opt-out, but not in lieu of any posting of the notice of right to opt-out.



(2) When the opt-out button is used, it shall appear to the left of the "Do Not Sell My Personal Information" or "Do Not Sell My Info" link, as demonstrated below, and shall be approximately the same size as other buttons on the business's webpage. **BUTTON OR LOGO TO BE ADDED IN A MODIFIED VERSION OF THE REGULATIONS AND MADE AVAILABLE FOR PUBLIC COMMENT.**



(3) This opt-out button or logo shall link to a webpage or online location containing the information specified in section 999.306(c), or to the section of the business's privacy policy that contains the same information.

Source: [California Attorney General](#)



Law Firm Data Security Tips

Recommended Cybersecurity Enhancements

 **Annual or Quarterly Security Training**

Clients are asking about training frequency during audits. MCLE credits available depending on vendor.

 **CCPA Website Disclaimer**

Better safe than sorry. Consult your legal professional for advice.

 **2FA**

Essential for preventing phishing. Smart- or hard-token 2FA preferred. SMS, while convenient, is not most secure.

 **Vendor Risk Management**

Vet all vendors and understand the risks they pose to your data.

 **Patching**

Most hacks take advantage of unpatched systems. Security must take precedence over convenience.

 **31 Days of Law Firm Data Security**

Over 31 tips to secure your personal and law firm technology on our blog.





Questions?

A variety of privacy- and CCPA-related resources will accompany the recording of this webinar in a follow-up email. Watch your inbox!





Innovative Computing Systems



Your Full-Service Legal Technology Partner. Case Closed.

Solutions

- Cloud Computing
- Document and Email Management
- Virtualization and Infrastructure
- Email Messaging and Archiving
- Voice over IP (VoIP) and Advanced Networking
- Secure Remote Access and Authentication
- Disaster Recovery

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