

# Locking It Down: Preventing Costly Data Breaches & Ransomware Attacks

Elizabeth G. Litten, Partner, Chief Privacy & HIPAA Compliance Officer, Fox Rothschild LLP

Mark G. McCreary, Partner, Fox Rothschild LLP

David Forrestall, Founder & CEO, SecurIT360

Ken Vedaa, Principal Consultant, The Crypsis Group

Lauren Winchester, VP Smart Breach Response, Corvus Insurance



# Why Bigger Risk Now?

- Remote working
- Criminals more active
- Better exploits
- Ransomware and breaches have become more boring, so we are less outraged and demanding of advances in security



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# How Has Attack Vector Changed?

- Phishing
- Exploits – RDP, O365, unpatched systems, zero day exploits
- Taking advantage of workers not used to working remotely
- Methods to avoid current attack vectors



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# Describe the Typical Attack

- Encrypt single end point and then spread
- Many new variants exfiltrate data
- Leave behind payment instructions
- Communicate/negotiate with criminal
- Publication of data



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# What Are the Costs Involved With Ransomware?

- Restoring systems
- Rebuilding data
- Payment of ransom – discussion of what really happens if a payment is made
- Forensic investigation



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# What Are the Costs Involved With Ransomware?

- Legal/coaching costs
- Credit monitoring
- Regulatory investigations and fines
- Lawsuits and/or class action claims



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# How Are Consumers Protected Post-Incident?

- Notification
- Credit monitoring
- Dark web monitoring



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# Most Effective Methods to Avoid Data Incidents

- Training of users
- DLP, IPS, IDS
- Multi-factor
- Robust logging (not prevention, but helps with investigation)



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**Elizabeth Litten**

609.895.3320

[elitten@foxrothschild.com](mailto:elitten@foxrothschild.com)

**Mark McCreary**

215.299.2010

[mmccreary@foxrothschild.com](mailto:mmccreary@foxrothschild.com)



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