Safeguarding Business Resilience: Ransomware and Cybersecurity Essentials for Board of Directors



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\$whoami

- Father and Husband
- CTO @ ProCircular
- CISSP, G|CIH, GWAPT, CCFP
- ❖ 18 years of IT experience; 10 in cybersecurity consulting
- I like to golf; my scorecard says otherwise
- * Bourbon with or without ice?



\$whoami

- Family-Centric
- CISO @ ProCircular
- ❖ MBA, CISSP, CISM, CISA
- 16 years IT/Software Dev experience, 8 in Cybersecurity
- Kids in Show Choir, Gymnastics, Soccer, Boy/Girl Scouts, etc.

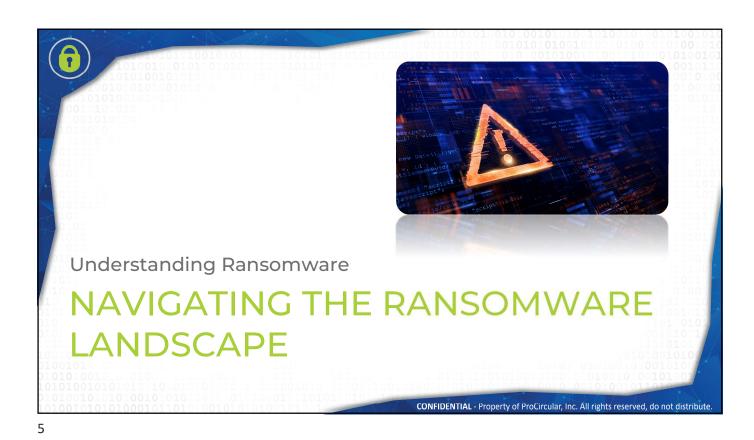
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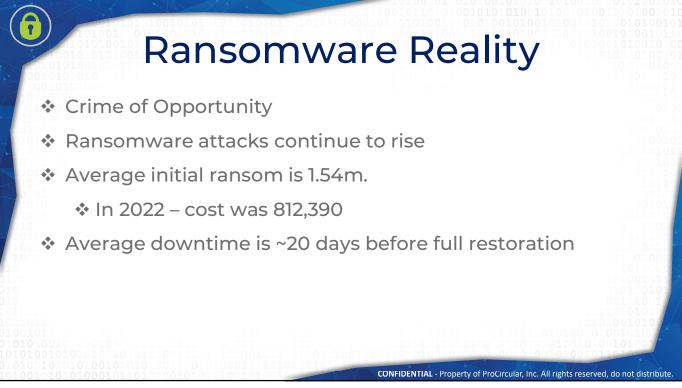
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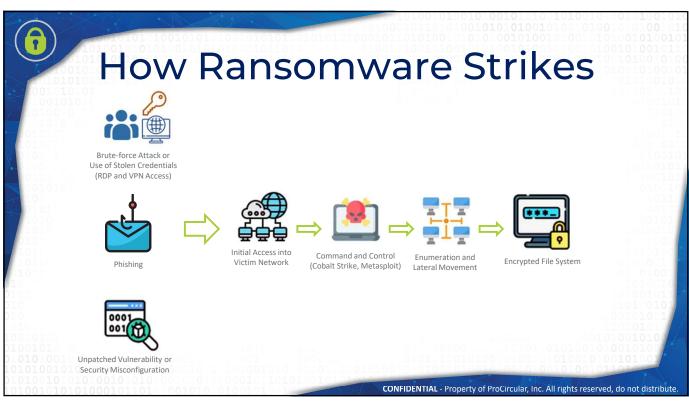
Today's Session

- 1. Navigating the Ransomware Landscape
- 2. Real-World Case Studies
- 3. Beyond the Technical Fallout
- 4. Essential Cybersecurity
- 5. Board Member Impact
- 6. Q&A





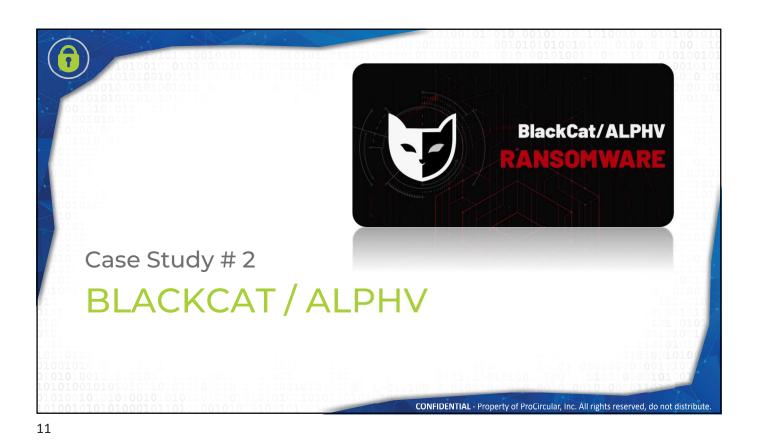






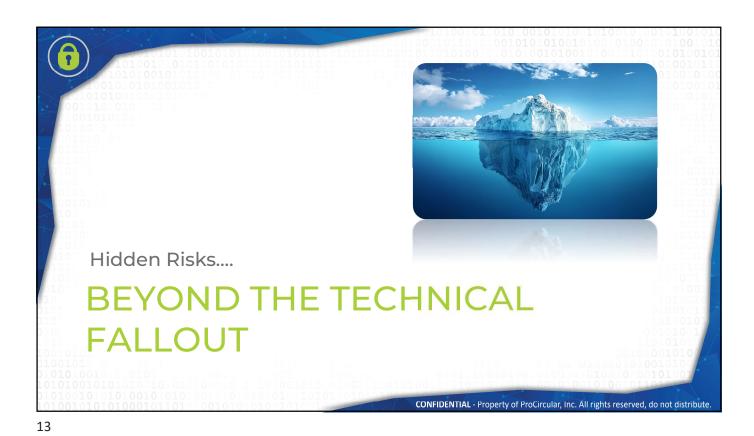
Case Overview

Target Organization Overview
Initial Access
Data Exfiltration
Encryption
Ransom Demand & Communication



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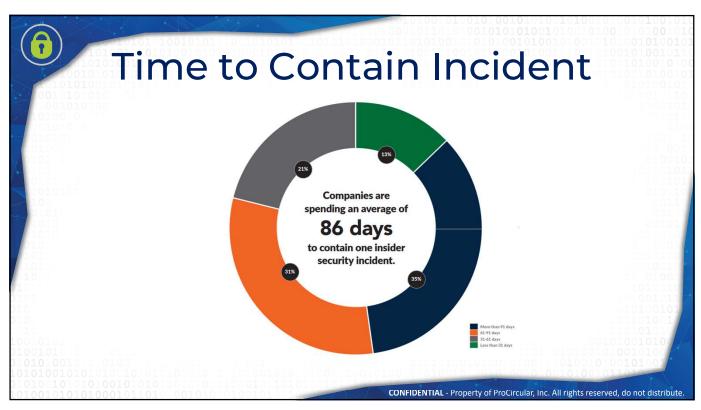


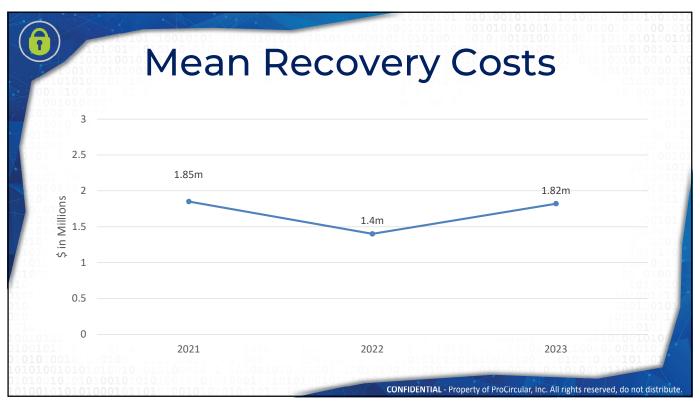
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Hidden Risks of Ransomware

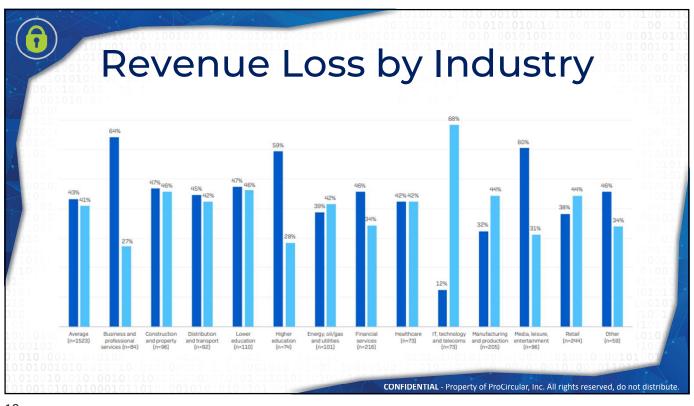
- Downtime Costs
- Data Exposure
- Lost business and reputation damage
- Legal and non-compliance penalties
- Customer trust (harder to gain than to lose)
- Additional Expenditures
 - New tech
 - New security spend
 - Increased Premiums

Cost Components Business Resiliency is King Costs are Long Lasting Disruption or downtime and direct and indirect labor represent the most significant costs when dealing with insider risks. (26% of total cost), direct and indirect labor (20% of includes the amortized value and the licensing for oftware and hardware that are deployed in respons CONFIDENTIAL - Property of ProCircular, Inc. All rights reserved, do not distribute 15











Cybersecurity Insurance

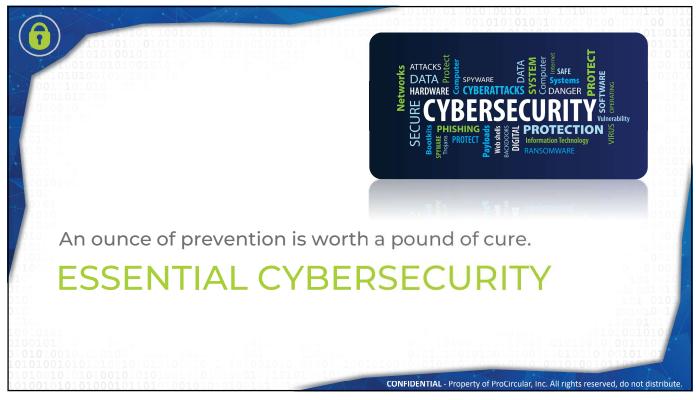
Pros

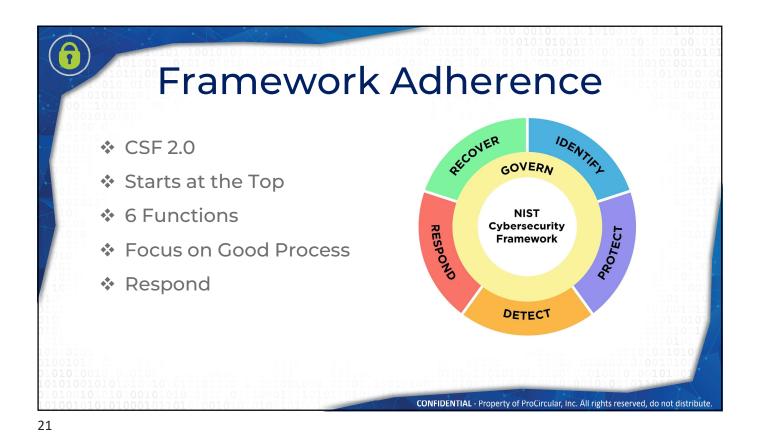
- Sometimes gain access to Incident Response Teams (IRT)
- Offset the cost of paying ransom / disclosure letters / credit monitoring

Cons

- Does not address downtime
- Does not address reputational cost
- Does not address stress/trauma

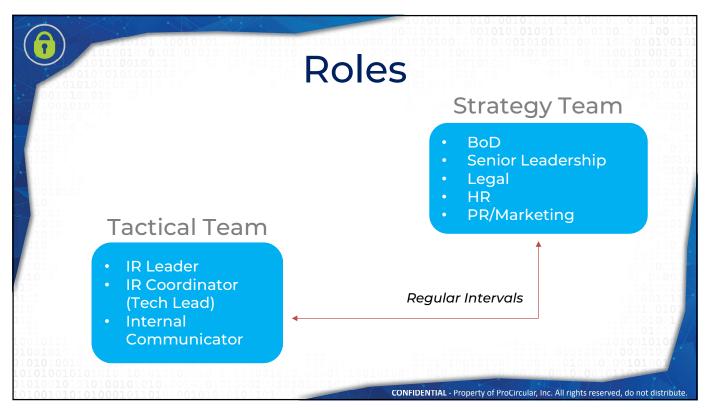
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Why IR Planning?
 Why is it important to have a realistic Incident Response (IR) plan vs a check the box plan?
 What is right for your organization?
 Respond more quickly and efficiently
 Tolerance for failure - Culture and Customers
 Rate of change is escalating
 Social Media
 Reduce cost of an incident
 Planning is cheaper than fixing
 Legal, Financial, Reputational
 Cyber Insurance Requirements







BCP & DR

- Business Continuity Planning (BCP) is done at the Organizational Level
- Disaster Recovery (DR) is done at the IT Level



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Cyber Awareness

- Employee Training is not a Silver Bullet
- A Carrot not a Stick
- Train employees to identify and report phishing
- Create a written process for Accounts Payable
 - Does the organization have policies and procedures for cybersecurity awareness education and training of employees to properly handle funds transfers?



Tech Tools of the Trade

- Multi-Factor Authentication (MFA)
- * Regular Backups. Seriously.
- Patch Management
- Advanced Endpoint Detection & Continuous Monitoring
- Scanning & Regular Assessment

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Why Cyber is a Board-Level Issue

- Cybersecurity is for everybody, not just technology companies.
- It's about empowering and supporting people and process.
 - Not just technology.
- Cybersecurity is for everybody, not just technology companies.

- Risk Appetite Statement What are we willing to accept?
- One Board Member with Cyber knowledge
- Board should have access to INDEPENDENT accessors

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Investments in Cyber

- Ask Board level questions
- Have a relationship with your Chief Information Security Officer
- ❖ 65% of board members think their org is at risk of cyber attack



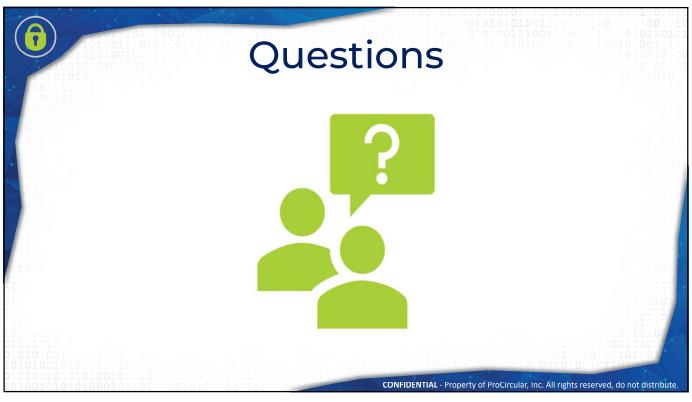
Sleeping Positions













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Thank you for the opportunity to earn your trust!

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