The webcast will start at 1:00 p.m. Eastern

- Visit <u>capincrouse.com/incident-management</u> to access these resources from today's webcast:
 - Handout
 - Recording
- To receive CPE credit, you must respond to the polling questions.
- If you qualify for CPE credit, a certificate will be emailed to you within the next few weeks.



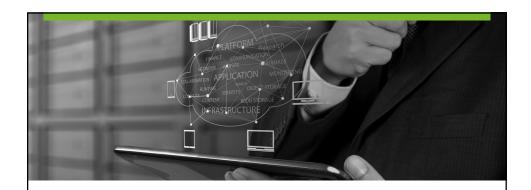
The content of this presentation, whether communicated in writing or verbally by partners, employees, or representatives of Capin Crouse LLP, is provided solely for educational purposes. This presentation is not intended to provide legal, accounting, tax, investment, or fiduciary advice. Please contact your attorney, accountant, or other professional advisor to discuss the application of this material to your particular facts and circumstances.

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Polling Question 1

Do you want CPE credit?

- Yes
- No



What are you up against?



You have a lot to plan for.



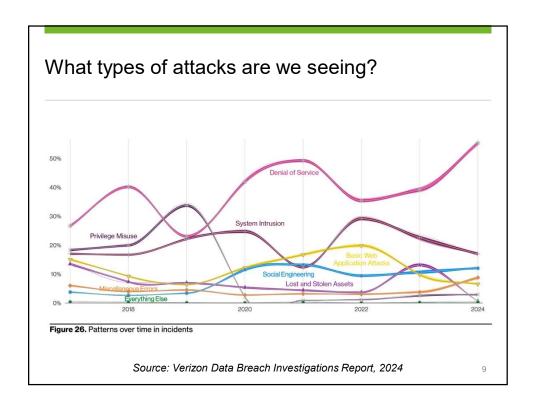
Who is being targeted?

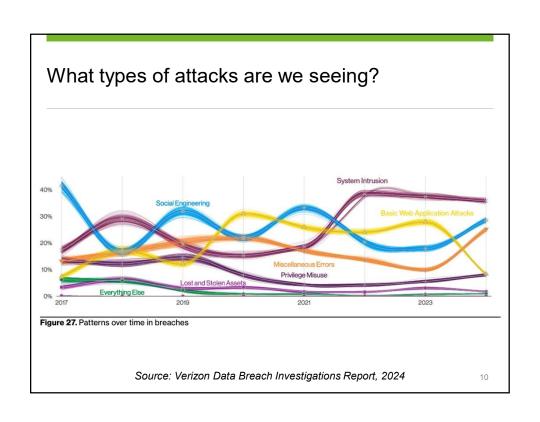


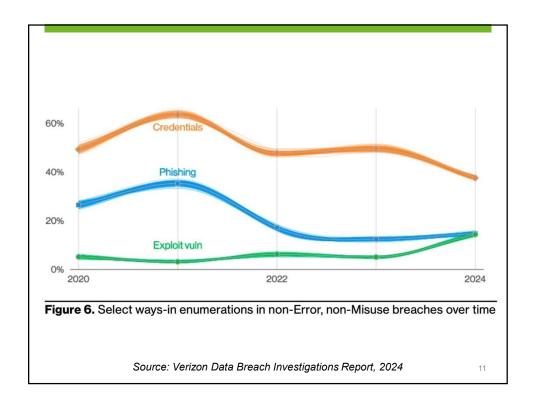
Polling Question 2

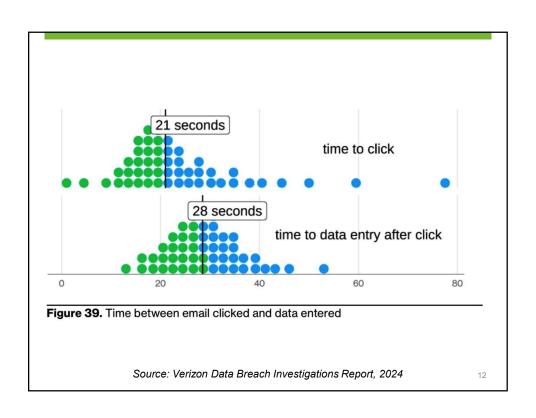
Has your organization experienced an incident?

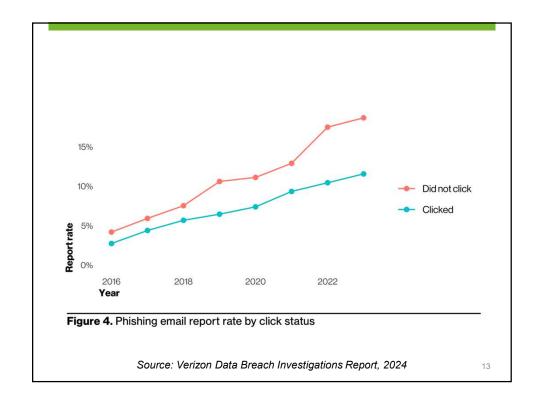
- Yes, but we were able to stop it.
- Yes, and unfortunately it resulted in a breach.
- No! Knock on wood.
- Unknown at this time.

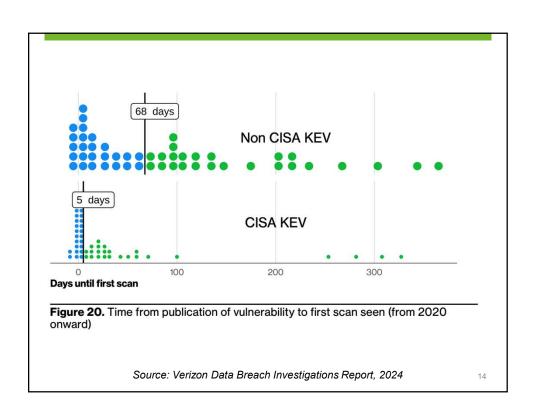


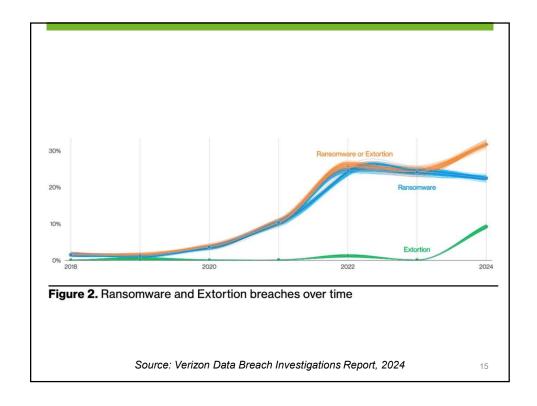


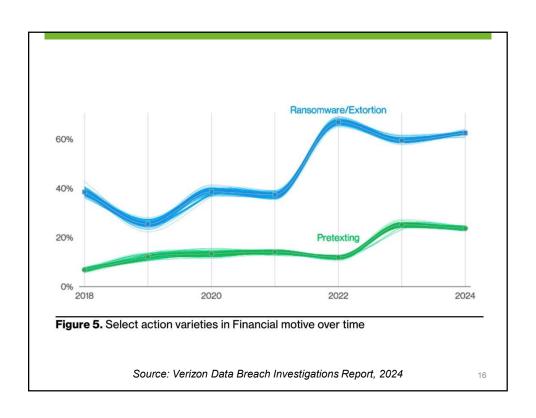








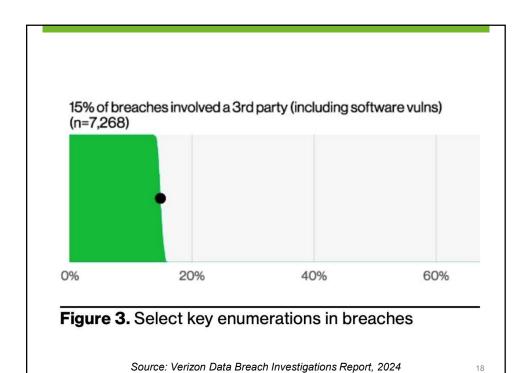


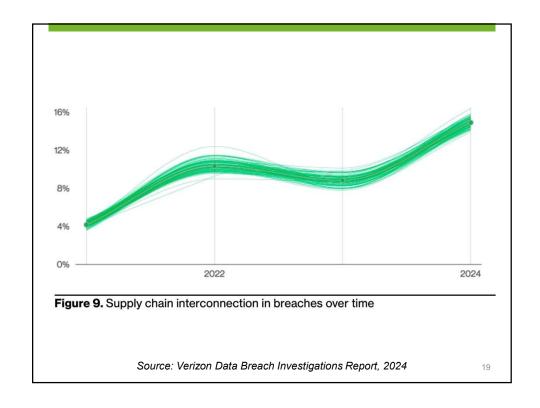


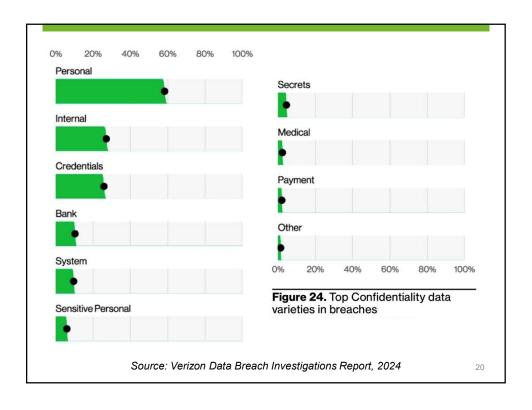
Supply Chain Disruptions

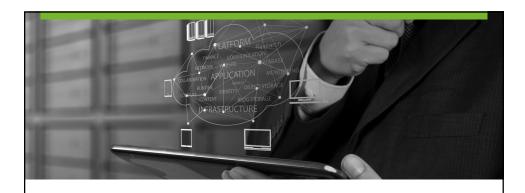
- How are you impacted?
- How are your service providers impacted?
- How are your service provider's service providers impacted?
- And on and on...







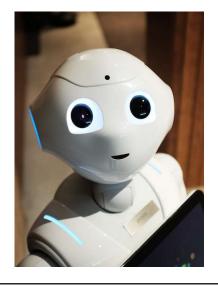




What are the challenges?



Growing Challenges



- Balancing regulatory requirements and usability
- Expanding technologies
- System integrations
- Mergers and acquisitions
- Vendor supply chain
- More to plan for

To address challenges, your plan must be...

- Fluid and adaptable
- Straightforward and useable
- Comprehensive enough to:
 - Support continuity of operations
 - Minimize impact
 - Enable timely recovery



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Where do you start?



Polling Question 3

Do you have an incident response plan?

- No, why do you think I'm here?
- Yes, but it's not formalized.
- Yes, signed, sealed, and delivered!
- Other (chat it)

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Conduct a business impact assessment (BIA).



Key Steps for the BIA

- Identify critical business functions
- · Identity interdependencies and single points of failure
- · Evaluate impact of a disruption
- · Identify likelihood of different types of threats
- Involve the right people

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Develop strategies to meet objectives.

- Risk-based strategies to address all foreseeable risks
- Allocate resources to meet resilience/recovery needs
- Not just about recovering a server
 - Consider personnel and processes
 - Consider technology, facilities, and data
 - · Ensure resilience

An effective response starts now.



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Planning: Who is your team?

- Define team member roles and responsibilities
- Include wide range of backgrounds and expertise from different areas within the organization
- Who is on your team?



Planning: What are your goals?

- How do you balance confidentiality, integrity, and availability?
 - Drives containment
 - Legal and liability considerations
- Are you focused on security of data or operations?
 - What can be disconnected?
 - What needs to remain online?

3

Planning: Would you pay the ransom?



Planning: Scope and Escalation

- What constitutes an incident?
- What warrants escalation of the plan?
- Who makes the call to enact the plan?
- Do front-line staff know how to identify an issue?



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Planning: Identification



- Do you have visibility?
 - Network perimeter
 - Internal traffic
 - Within applications
 - · Within endpoints
- Where are the gaps?
- What can't you see?

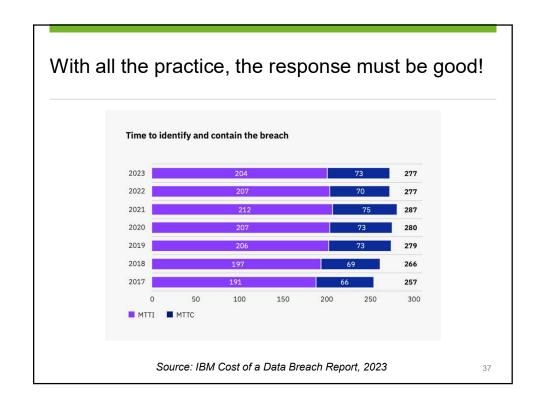
Is AI the future of incident response?

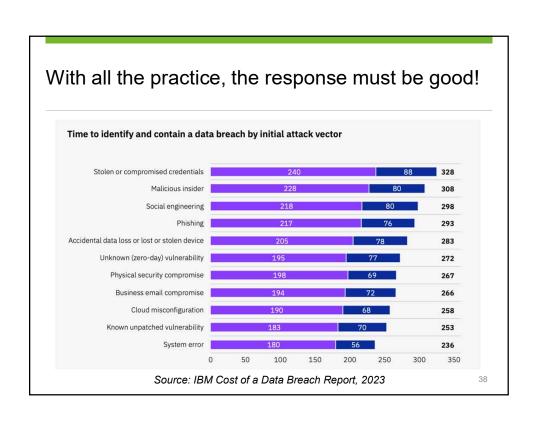


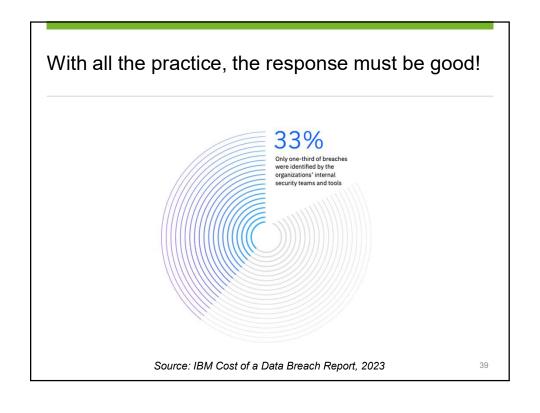
With all the practice, the response must be good!

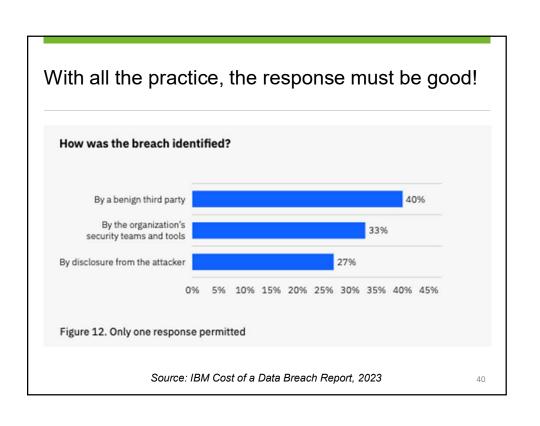
- More complex, "low-and-slow" attacks
- Goal of compromising as much of network as possible to get the largest possible payout
- 56% didn't detect a breach for 3 12 months

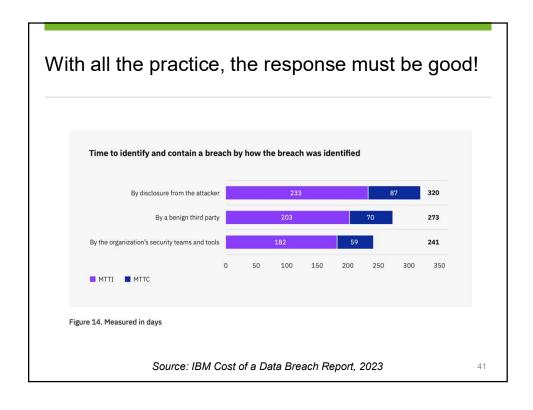
Source: Cybereason Ransomware: The True Cost to Business Report, 2024











Planning: Notification

- Who do you need to notify internally upon enacting the plan?
- How do you notify?
 - Unique considerations with cyber incidents.
 - Do you have alternate contact mechanisms?



Planning: Notification

- Who are you going to notify to aid in mitigations?
 - Insurance
 - · Law enforcement
 - Ransomware specialists
 - Forensics
 - Legal



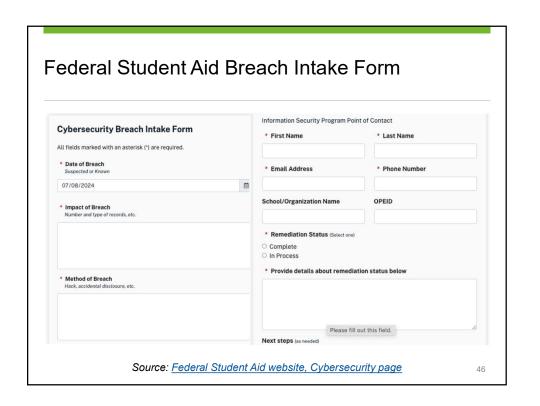
43

Planning: Notification

- What external parties do you need to notify? When?
 - Regulators
 - Information-sharing organizations
 - Key vendor relationships







Planning: Containment

- What "categories" do you plan for?
 - External attacks
 - Vendor-initiated events
 - Customer-initiated events
 - Employee-initiated issues (e.g., phishing)
- Any separate processes for specific events?

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Planning: Containment

- How do you contain?
 - · Isolation of compromised systems
 - · Additional monitoring of intruder activities
 - Searching for additional compromised systems

Planning: Get in the weeds.

- · Who is determining what was impacted?
 - Location vs. device type vs. user type
- Who is confirming backups are good?
- · How do you disconnect things on network?
- What passwords do you need to change?

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Planning: Get in the weeds.

- · How do you stop spread or data flow?
 - · Bluetooth connections
 - · Shared and mapped drives
 - Removable media storage
 - · Firewall rules
 - Data transfers
 - Vendor connections

Planning: Do you kill the Internet completely?



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Planning: Containment

- Identify critical processes for unique events
 - Comprised emails and creation of auto-forwarding rules
 - Ransomware vs. wiperware

Planning: Maintaining Evidence

- What activity logs do you have?
 - Sufficient storage time
 - Off-loaded from associated device
 - Backed up and retained
- Remember: many issues aren't identified right away
- Other concerns: custody, integrity, preservation, etc.

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Planning: Restoration

- Ties heavily to Disaster Recovery Plan but more than having backups to restore from
- Ensure backups cannot be impacted by ransomware
 - · Make immutable
 - · Create physical offline copies
 - Utilize logical air gapping
- · How do you ensure backups are "clean"?

Planning: Post-Incident Notification

- Who are you going to notify? And when and how?
 - Constituents
 - Donors
 - Vendors
 - Organizations in the industry
 - Public or media
- Do you have contact details readily available?

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What are you going to say?



Planning: Understanding Legal Requirements



Planning: Lessons Learned

- What worked in your plan?
- What didn't work?
- Where did you struggle?
- What wasn't documented?

Cyber insurance: where does it fit in?



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Check with your vendors.

- What are they doing to protect your hosted data?
- If your vendor has a ransomware incident, you could potentially lose your data.
 - It may be their fault, but it's still *your* problem.
 - What does that mean for you?

Practice makes perfect better.

- Conduct exercises
- Incorporate key stakeholders
- Evaluate effectiveness of your training program
- Identify gaps in plans before disaster or incident happens



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Takeaways from Tabletop Discussions

- Where are the maybes?
- Where do you not have visibility?
- Where do you need training?
- Where do you need authorization?
- What do you need to document?
- Is this attack plausible in your environment?
- What is the ONE thing you need to do?

Report to Management regularly.

- Results of your BIA and risk assessment
 - Advocate for your needs
- · Major changes to plans
- Results of training
- · Results of testing



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Polling Question 4

Do you feel more prepared?

- No! I'm making a motion to get rid of the Internet.
- A little, but it's overwhelming.
- Yes, I feel like we can do this!

