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CSI: CYBERSECURITY SCENE INVESTIGATION

SEASON 2

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TRUE CRIME INVESTIGATORS

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Operations TG Internal Security

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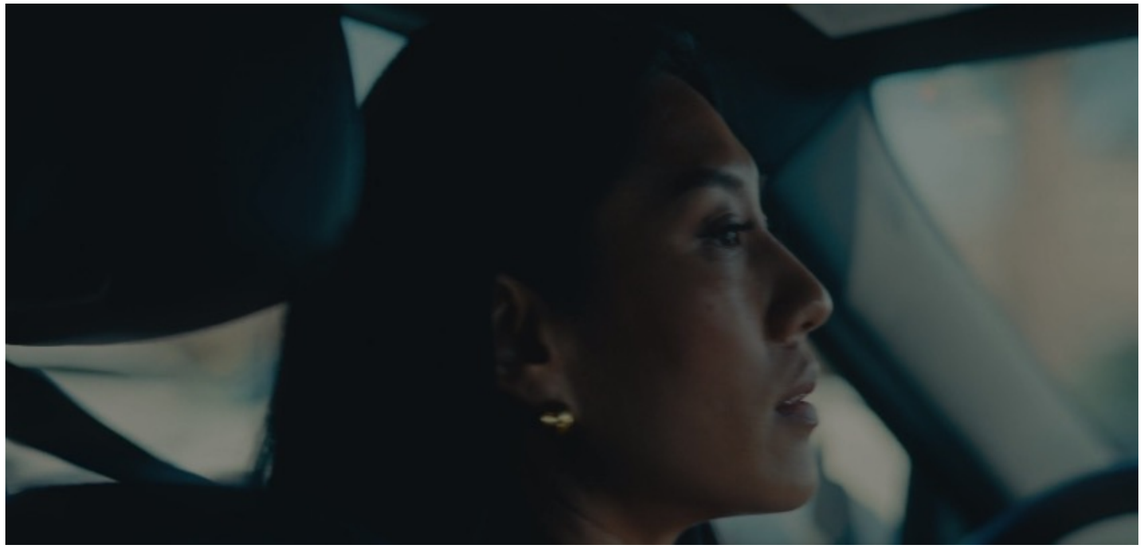
EPISODES

01 – Shadow IT

02 – Data Loss Prevention

03 – Ransomware Attack

Shadow IT



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WHAT IS SHADOW IT?

Shadow IT is the use of IT-related hardware or software by a department or individual without the knowledge of the IT or security group within the organization.

Gartner found that in the last decade, Shadow IT can be between 30% and 40% of IT spending in enterprise organizations.

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Insight

Hidden/Unpredictable Costs

Process, Procedure, Compliance

Expanded Attack Surface

- Unapproved Hardware/Software
- Unmanaged Use of Public Cloud

Detection & Mitigation

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Data Loss Prevention

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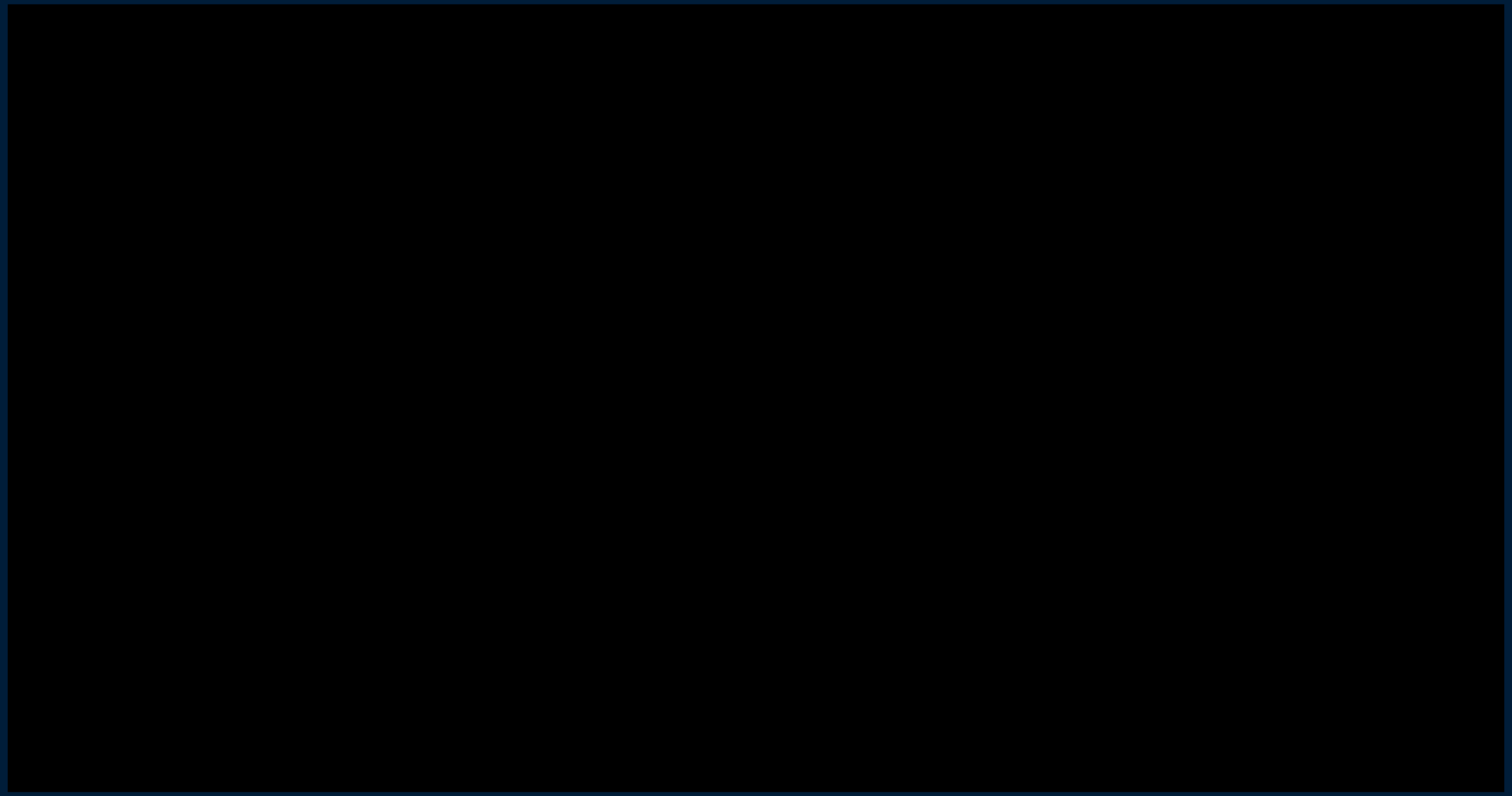

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WHAT IS DATA LOSS PREVENTION (DLP)?

A set of tools and processes used to ensure that sensitive/confidential data is not lost, misused or accessed by unauthorized users.

WHAT IS DLP SOFTWARE?

DLP software classifies regulated, confidential and business critical data and identifies violations of policies defined by organizations or within a predefined policy pack, typically driven by regulatory compliance requirements such as HIPAA, PCI-DSS or GDPR.

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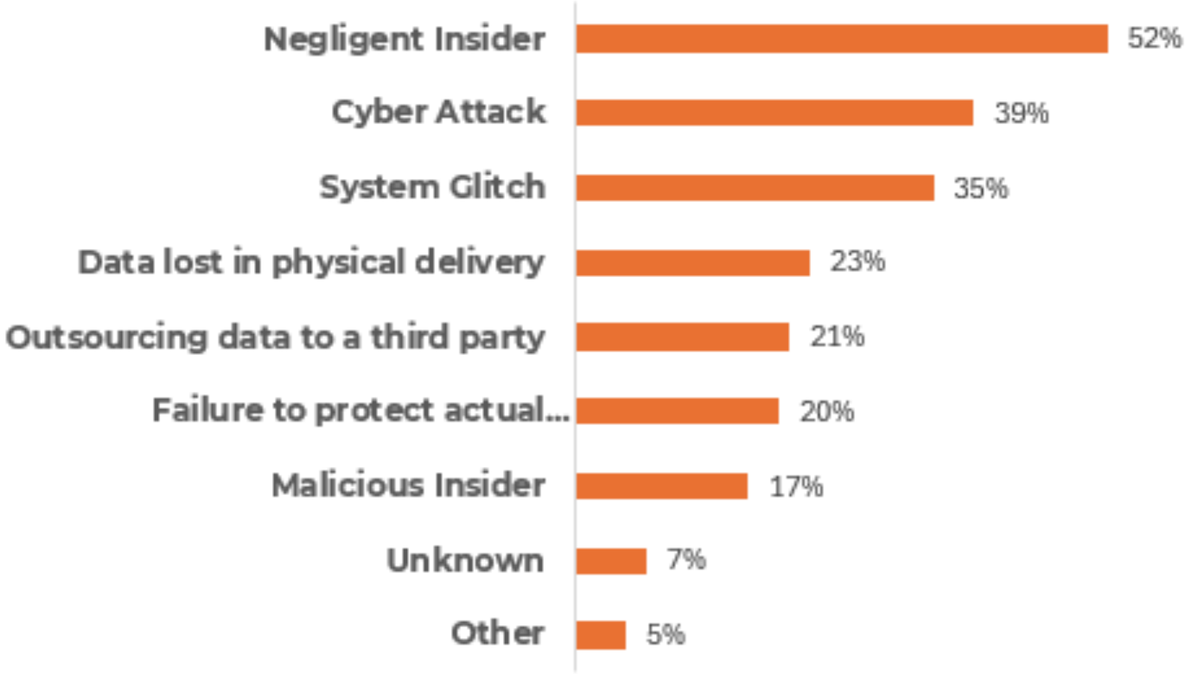
What are the causes of data breaches?



Source: Ponemon Institute

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Insight

Data Classification

Scope out Network Shares

DLP Protection Wherever Possible

- Endpoint
- SaaS
- Network

Executive Leadership Support

End User Training

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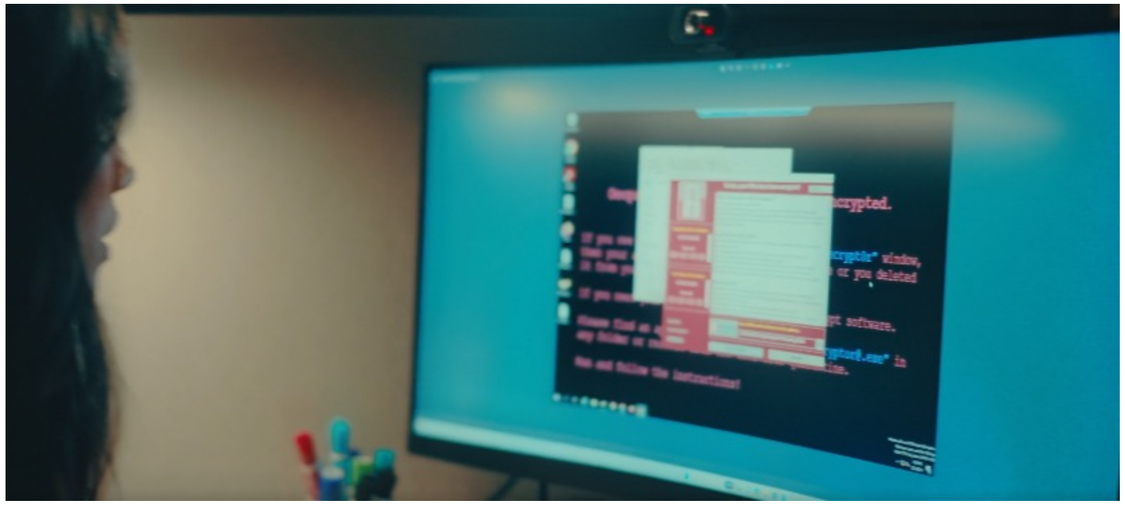
Ransomware



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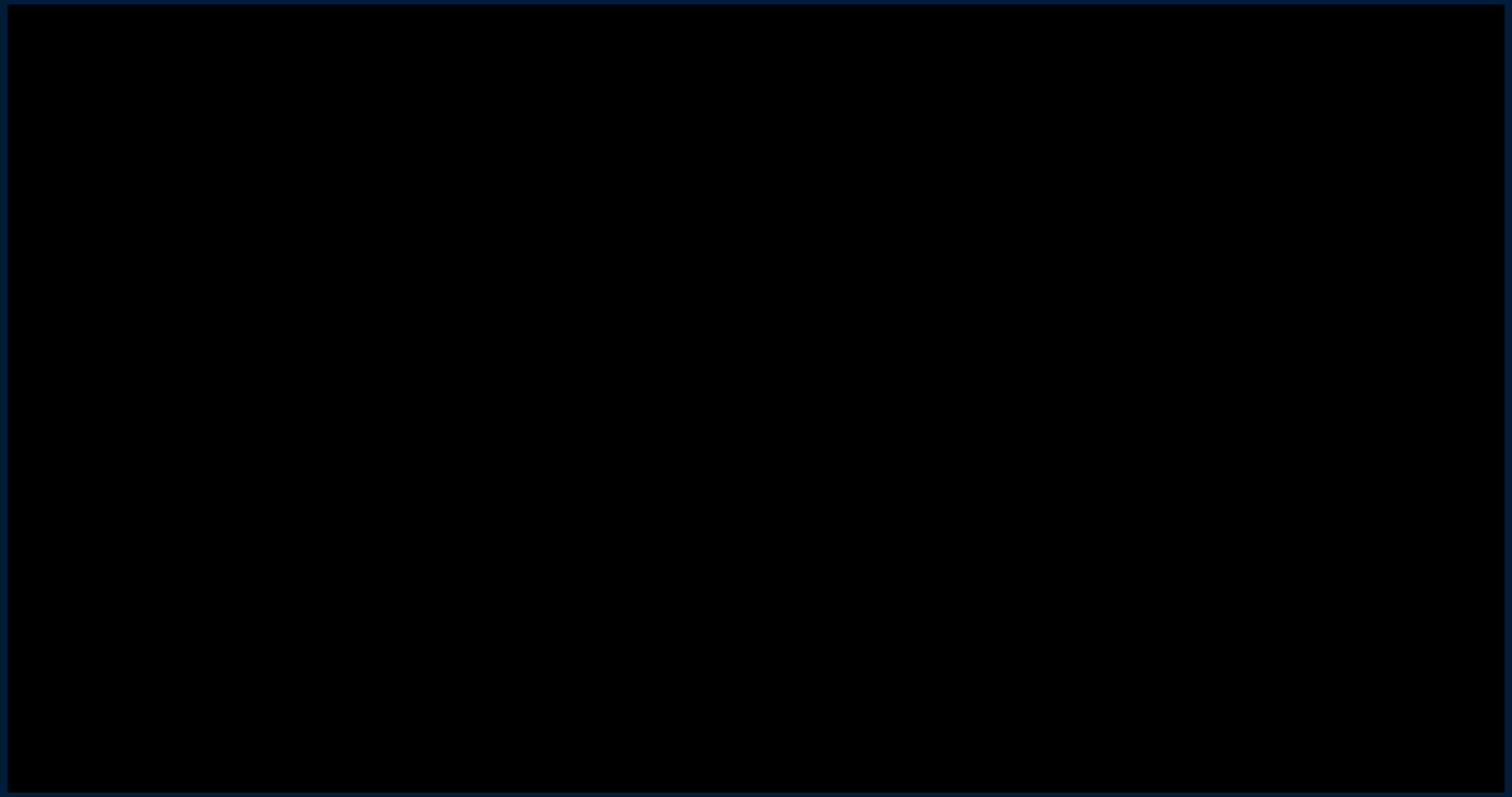

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WHAT IS RANSOMWARE?

A type of malware that locks and encrypts a victim's data, files, devices or systems, rendering them inaccessible and unusable until the attacker receives a ransom payment.

WHY IS IT SO EFFECTIVE?

When a business is hit with a ransomware attack, they are often not prepared.

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Notable Attacks from 2023

- Royal Mail – January
- Dish Ransomware Attack – February
- Fruit Giant, Dole – February
- Johnson Controls - September
- Las Vegas MGM - September

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Ransomware Statistics

- The average ransom payment is $812,360.
- The average total cost of a ransomware attack is $4.5M.
- On average, it takes 49 more days to identify and remediate ransomware breach than other types of attacks.
- More than 40% of those that paid ransom still had to rebuild their systems.
- 62% of successful ransomware attacks used phishing as their entry point in the victim's system.

Source: Spin.ai

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Insight

The Good

- UTA is working
- Improved Detection & Response Capabilities
- Infrastructure Disruption

The Bad & The Ugly

- The Human Factor
- Incidents still very costly
- Recovery time underestimated

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Q&A


THANK YOU!
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