



**SPARTANS
SECURITY**
YOUR CYBERSECURITY PARTNER

MITIE Security Conference 2026 Presentation

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Opening Statement

Security Incidents and breaches don't just happen, they are a chain of failed controls.

Break any failure in the chain and data breach could have been avoided

Borrowed From Air Crash Investigation



Please Ask Any Questions

There is no Stupid Question

“Can the Chinese hack to my security cameras and steal my credit card details through the reflection in the eyes from the security footage?”



A large, stylized orange graphic on the left side of the slide, resembling a helmet or a shield with a white lightning bolt-like shape in the center. The graphic is composed of several curved segments.

Cybersecurity Market Overview

For Australian Companies

Cost of Data Breach- Australia*

Average cost

Average cost of a data breach

↑
\$4.1
Million Dollars

Average cost per record

\$150
Dollars

Average times



Average time to identify a breach
194 Days ↑

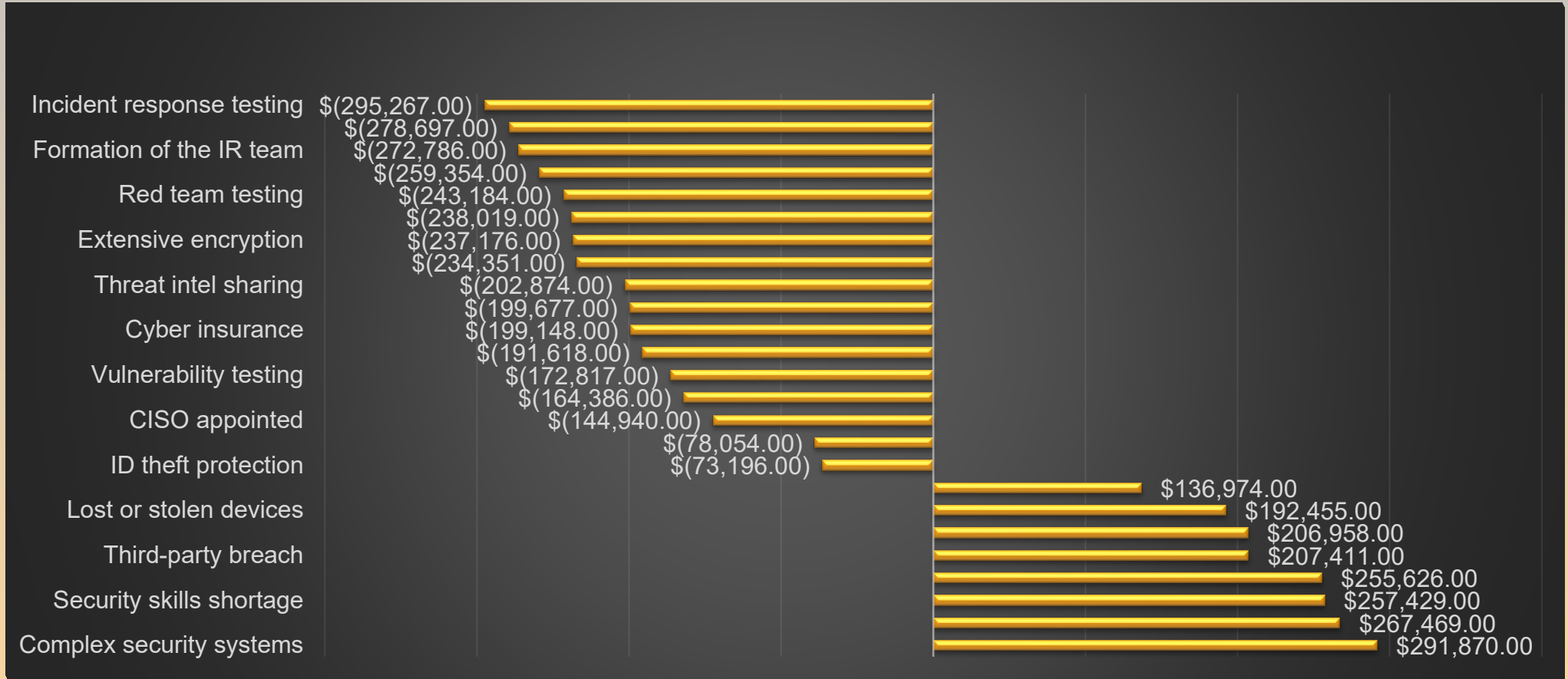


Average time to contain a breach
64 Days ↑



* Source: IBM Data Breach Calculator 2024

Cost of Data Breach- Australia*



* Source: IBM Data Breach Calculator 2024



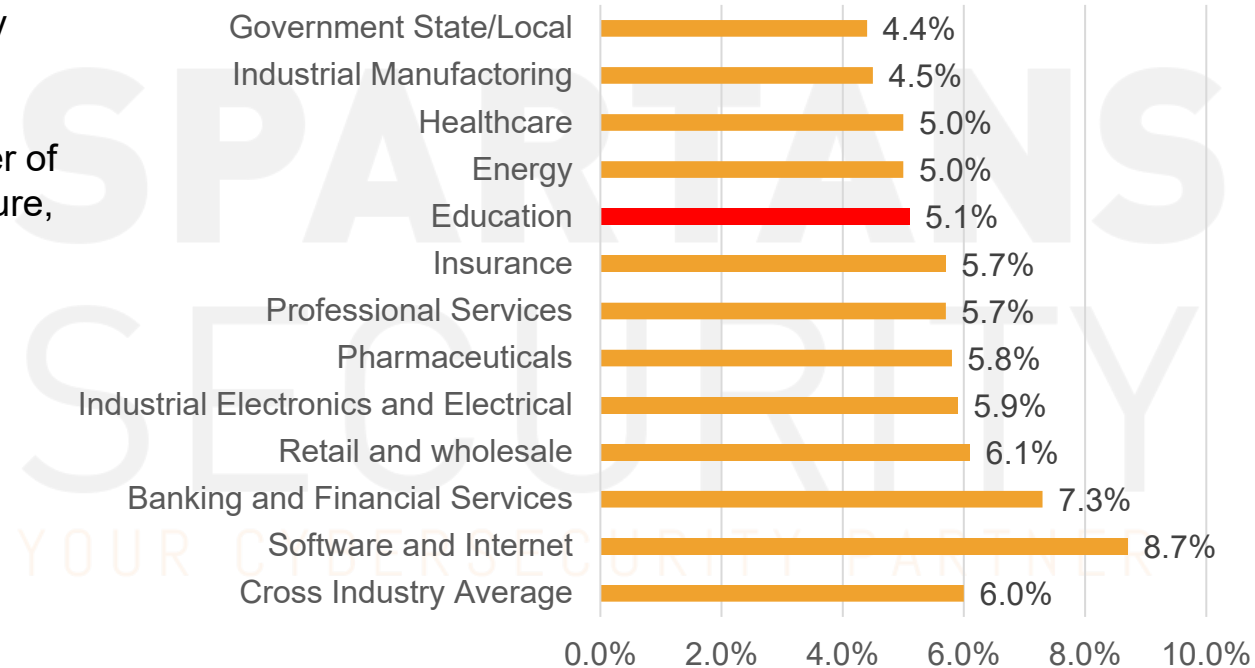


Security Spending Consideration

Security Spending as Percentage of IT Spending*

Things to consider

- Businesses without any previous security program will need to spend more at the beginning to establish.
- Spending varies greatly based on number of factors including: size, complexity, structure, location, technology and regulatory compliance.
- Spending includes the security cost of:
 - Headcounts (including contractors)
 - Tools and technology
 - Managed Service Providers
 - Professional services
 - Compliance (including PCI)
 - Privacy (including GDPR)



*Source: Gartner 2026

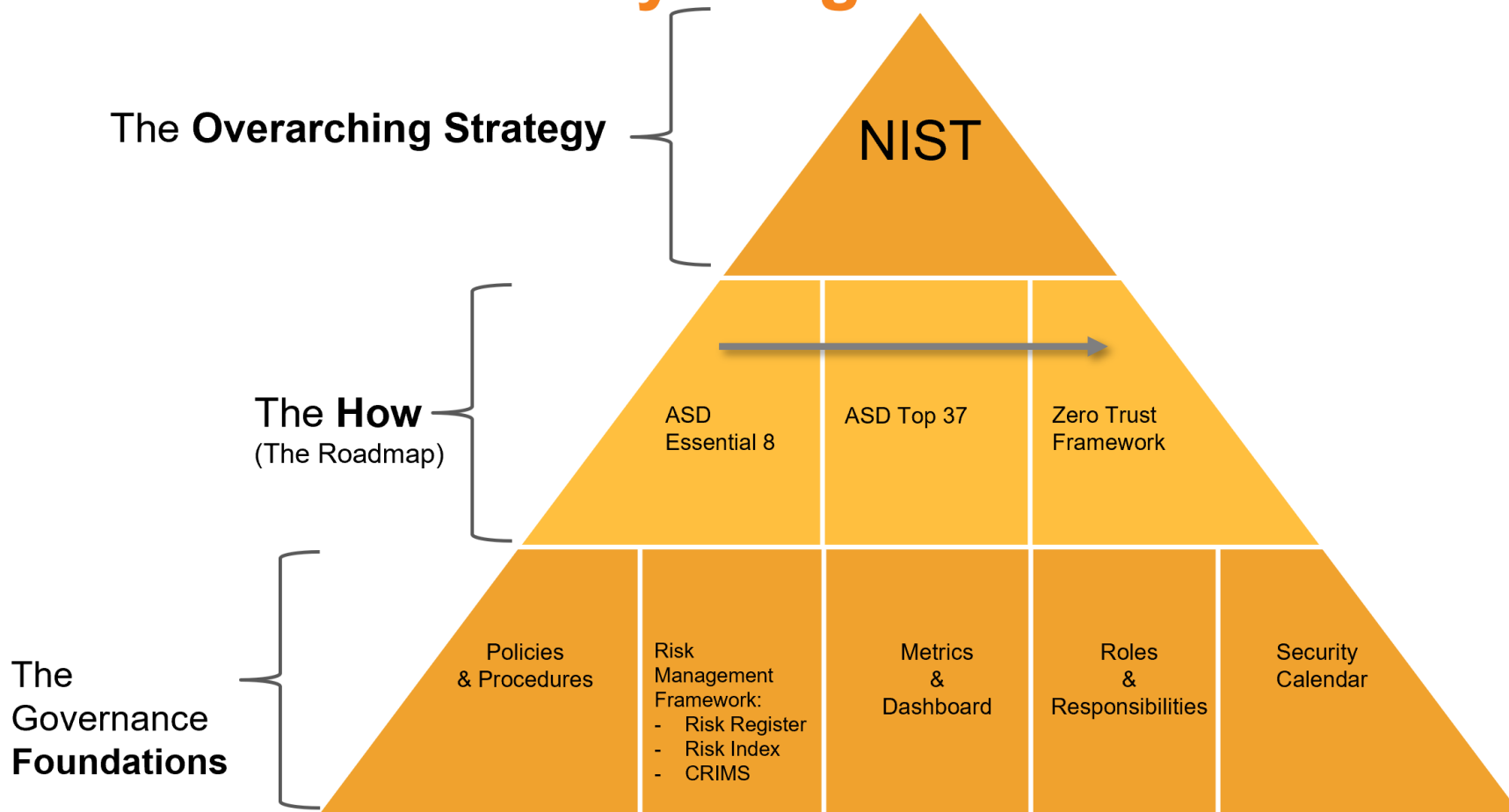




Security issues And priorities



Security Program Foundations



A stylized orange graphic of a helmet, possibly a Spartan helmet, is positioned on the left side of the slide. It features a prominent crest and a visor area, rendered in a flat, geometric style.

War Stories

What do you do during incidents



Case Study 1

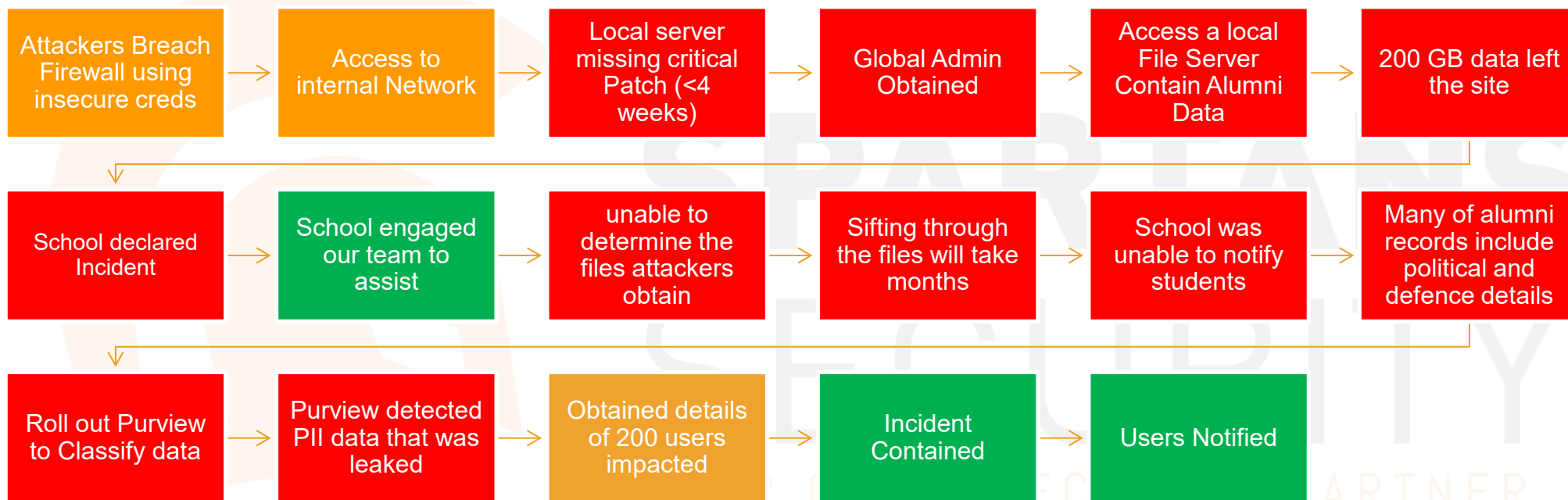
- Prominent Private Boys School
- 400 Staff with 2200 Student
- Many legacy Infrastructure and OnPrem Solution
- All past Alumni data stored on a File Server
- Don't have data classification and protection enabled
- Average security posture

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Breach Unfolding





Lesson's Learnt

Don't

- Delay Patching
- Delay Annual Pen Testing
- Just wing it without a tested Incident Response Plan
- Take your vendor that everything is without externally test it
- Delay retiring aging infrastructure.
- Delay Notification Process

Do

- Test your Incident Response
- Commence your Data Classification
- Engage 3rd party to complete External Pen Testing annually
- Complete a maturity Assessment
- Test your SOC Services
- Adopt Zero Trust Architecture

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Case Study 2

- Prominent Private Girls School
- 2500 student, and 400 Staff
- Good security company
- EDR implemented
- MDR with 24/7 monitoring and Incident Response
- Completed a major program to uplift their patch management
- Completed a large program to remove accounts with Admin Privileges
- Enforced a complex Password scheme

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Case Study 2

Google Council-Meeting: "01JMXA224VWV0JFB20V39SZ9HE6"

Notes Video

Council Meeting
 Feb 26 2025, 6:00 PM English (Global)

General Summary

Child safety VCE results

Overview

During the Council Meeting, the council reaffirmed its role in enhancing child safety, focusing on trends in population cohort characteristics and General Achievement Test results, and improving performance. At the meeting, discussions on its key pillars included compliance, leading into a training package development, follow-ups on sexual abuse policies, and updating governance documents for VRQA submission.

Notes

Council Meeting
 Wed, Feb 26, 06 PM

Share Embed

NEW Share with specific teams using user groups. Create Group →

Name, Email or User Group Invite

Teammates with access

Anyone with Link
 Anyone with link can access

Copy Link

Meetings notes and summary were available to all attendee

Fireflies deleted it after emailing and escalating





Lesson's Learnt

Don't

- Allow any unsanctioned App
- Use any SaaS Vendor without proper Australian Support
- Assume that SaaS will store your data locally
- Allow your external Board/AR member to use their own devices
- Allow application on Teams without Admin Consent

Do

- Validate any SaaS vendor
- Ensure that any SaaS Application is configured Securely
- Review any approved Apps regularly





Case Study 3

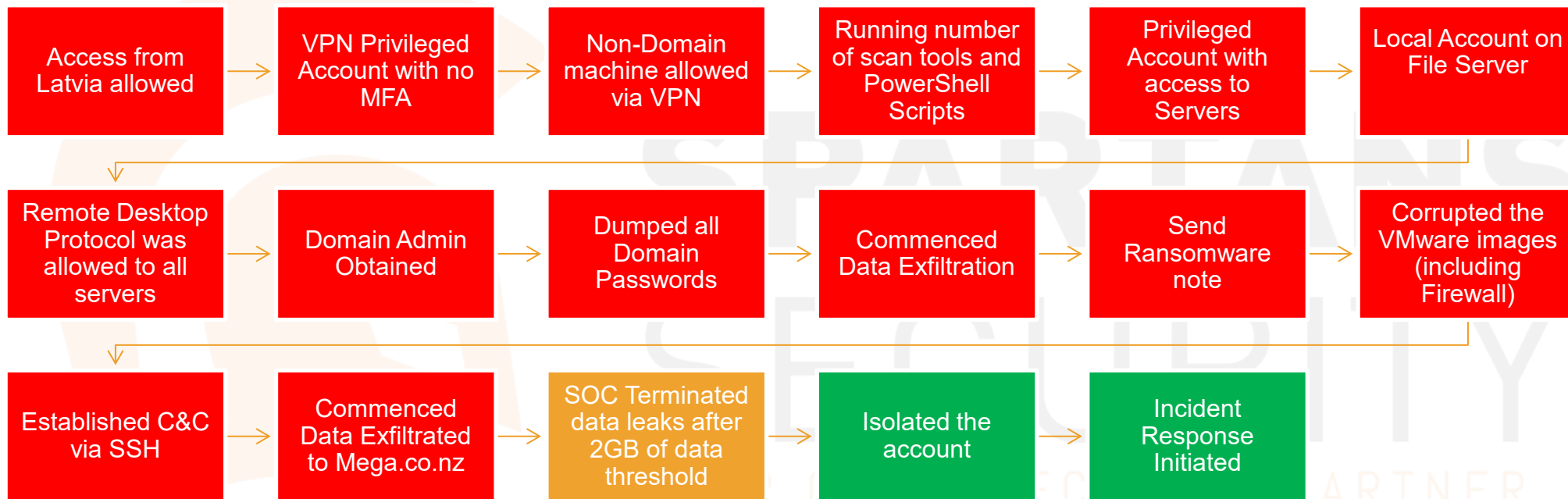
- 12 months after a breach
- Global EDR vendor installed on all Endpoint
- Running OnPrem + EntraID
- Security team running Vulnerability and Patch management Program
- **Third Party 24/7 SOC with Active Managed Detection and Response**
- Offsite Backup

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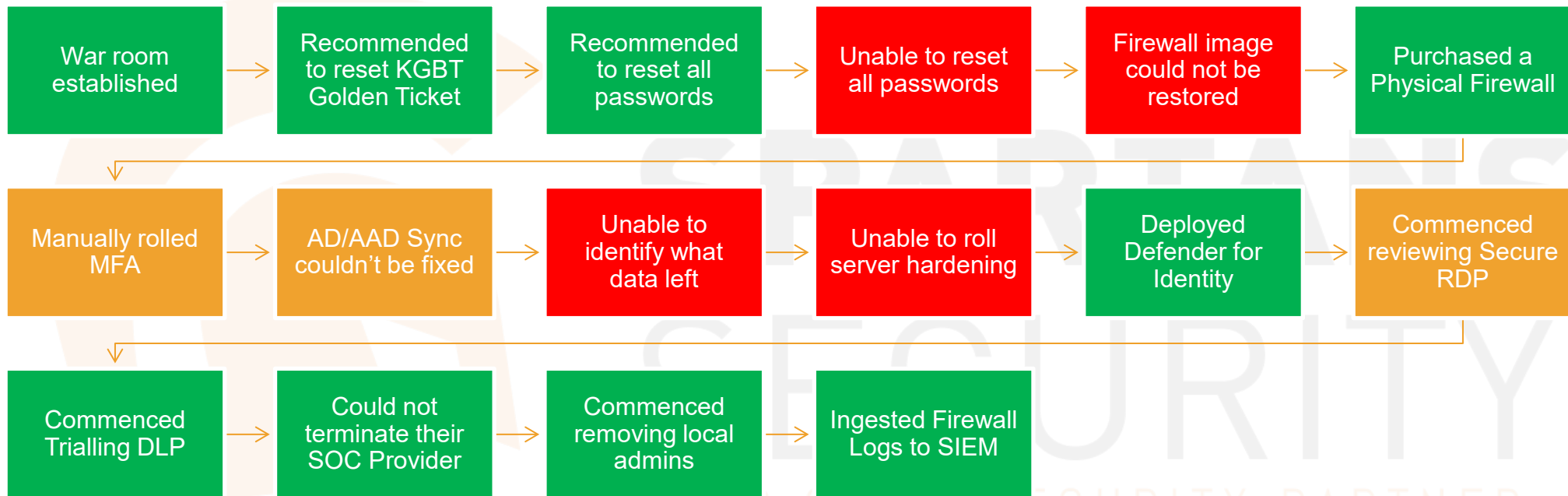


Breach Unfolding





During & After Incident Response





Lesson's Learnt

Don't

- Leave your VPN without MFA
- Trust your SOC vendor without testing
- Ignore data classification
- Ignore testing your Incident Response

Do

- Replace your VPN Access with more modern access
- Block any overseas access
- Audit your conditional Access Policy
- Update your incidents response

PREVIEW





Case Study 4

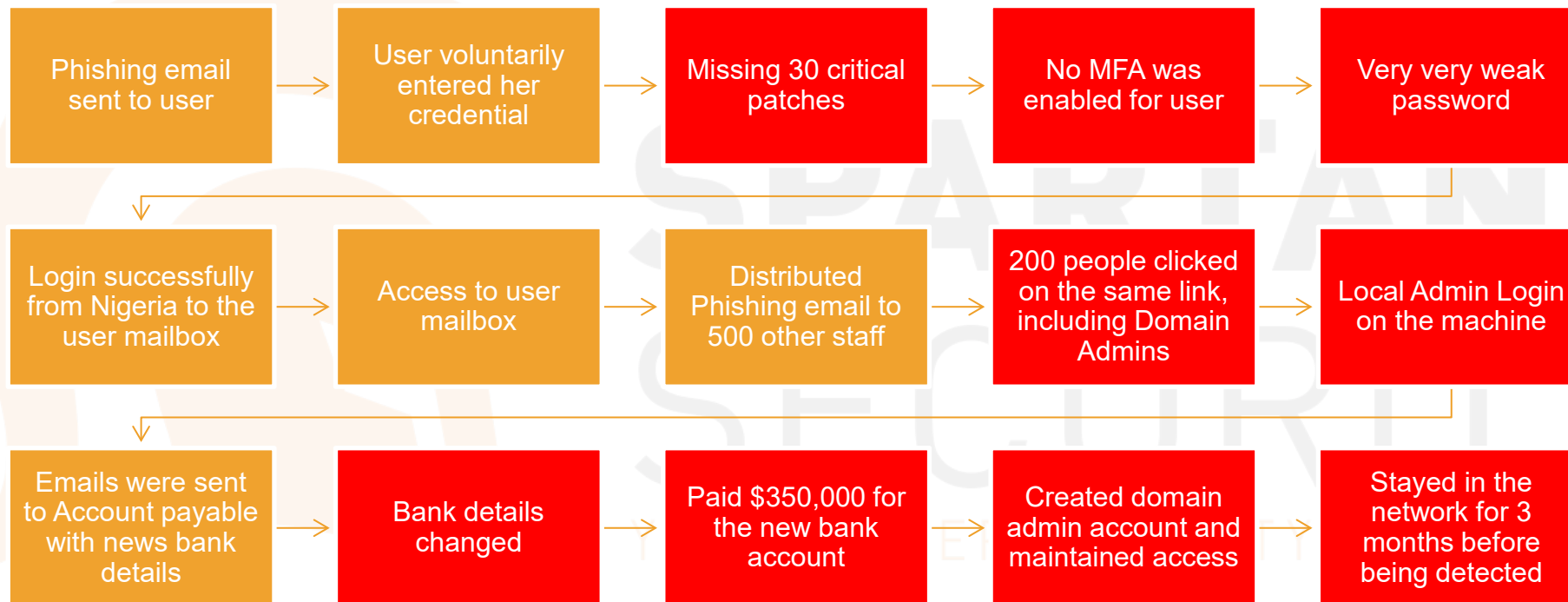
- Very Large Education Authority
- Massive IT Budget (\$15M)
- 1000 workstations + 100 Servers
- Security Team of 1 ISO
- Mixed on Prem + Azure Cloud
- EDR (MS Defender) with No Monitoring
- MFA has been enabled for Local and Global Admins
- Bought a Large Vulnerability Scanning Platform
- Bought User Awareness platform

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Case Study 4





Case Study 5

- Large Australian business
- 200 Brick and Mortar shops
- Ecommerce with ~\$3B turnover
- Good security posture
- EDR/MDR with 24/7 monitoring and Incident Response
- Completed a major program to uplift their patch management
- Ecommerce Site PaaS managed by Adobe

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Case Study 6

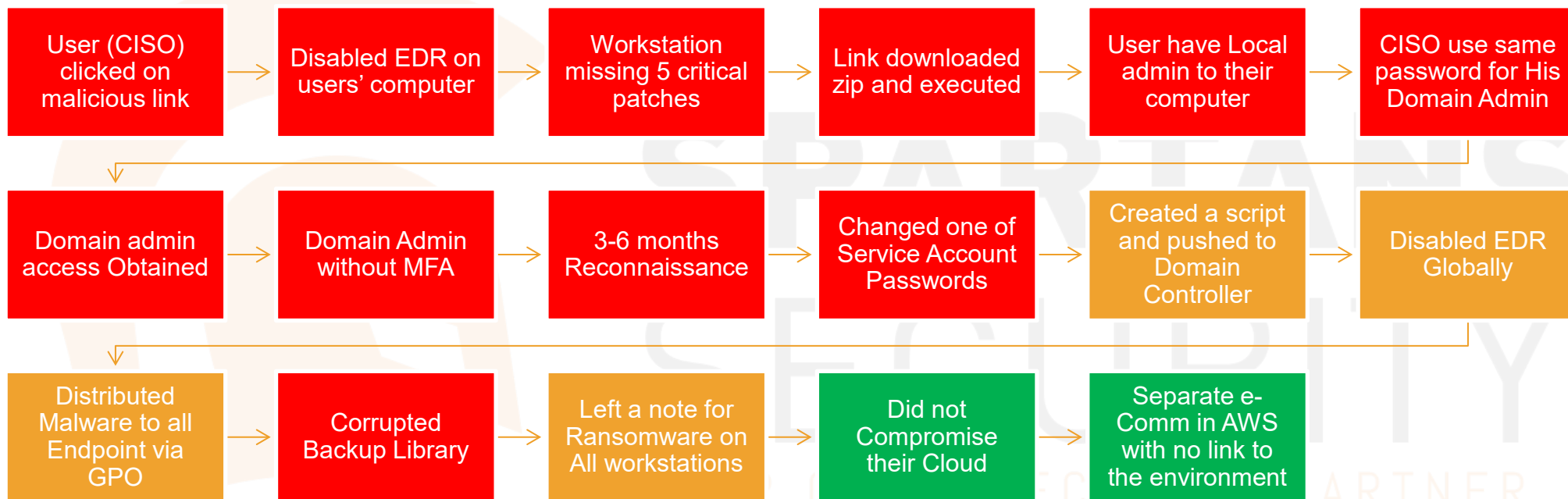
- A global Retail brick and mortar and e-commerce
- 22,000 workstations + 1500 Servers + Global Azure Presence
- Big Security team in US, with CISO, Operations and number of security managers.
- Global EDR vendor installed on all Workstations
- Global AV vendor installed on all Servers.
- Local Team running Vulnerability and Patch management
- Third Party 24/7 Managed Detection and Response
- Offsite Backup Managed by a third party
- In-house 24/7 SOC monitoring, reporting to CISO
- Express routes to their Azure environment

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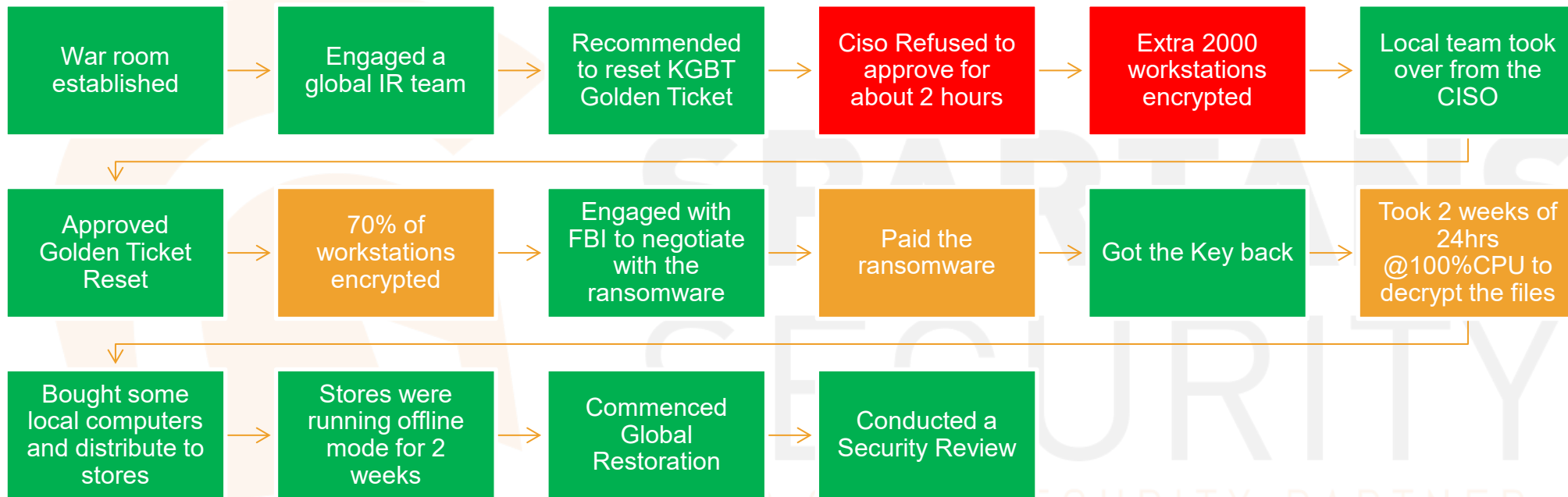


Case Study 6





Case Study 6





cfdd55c1361470b0517f3bbfd75825a3147a20607b533652



54 security vendors and 1 sandbox flagged this file as malicious

cfdd55c1361470b0517f3bbfd75825a3147a20607b533652

959.50 KB
Size

2022-05-24 09:58:20 UTC
12 minutes ago



- checks-network-adapters
- direct-cpu-clock-access
- long-sleeps
- peexe
- persistence
- runtime-modules
- spreader

Community Score

X [down arrow] [up arrow]

- DETECTION**
- DETAILS
- RELATIONS
- BEHAVIOR
- COMMUNITY

Security Vendors' Analysis

Ad-Aware	Gen:Variant.Ransom.Lockbit2.9	AhnLab-V3	Ransomware/Win.LockBit.R487041
ALYac	Gen:Variant.Ransom.Lockbit2.9	Arcabit	Trojan.Ransom.Lockbit2.9
Avast	Win32.LockBit-A [Ransom]	AVG	Win32.LockBit-A [Ransom]
Avira (no cloud)	TR/Crypt.XPACK.Gen	BitDefender	Gen:Variant.Ransom.Lockbit2.9
BitDefenderTheta	Gen:NN.ZexaF.34682.7mW@aqwWnog	Bkav Pro	W32.AIDetect.malware1
ClamAV	Win.Trojan.Obfus-43	CrowdStrike Falcon	Win/malicious_confidence_70% (D)
Cylance	Unsafe	Cynet	Malicious (score: 100)
Cyren	W32/Ransom.PM.gen!Eldorado	DrWeb	Trojan.Encoder.34248

```
tasklist | findstr /i hbi > \\MSADRC20153\google\2\%COMPUTERNAME%.txt
timeout 120
for /F "tokens=*" %1 in ('wevtutil.exe el') DO wevtutil.exe cl "%1"
```





Case Study 7

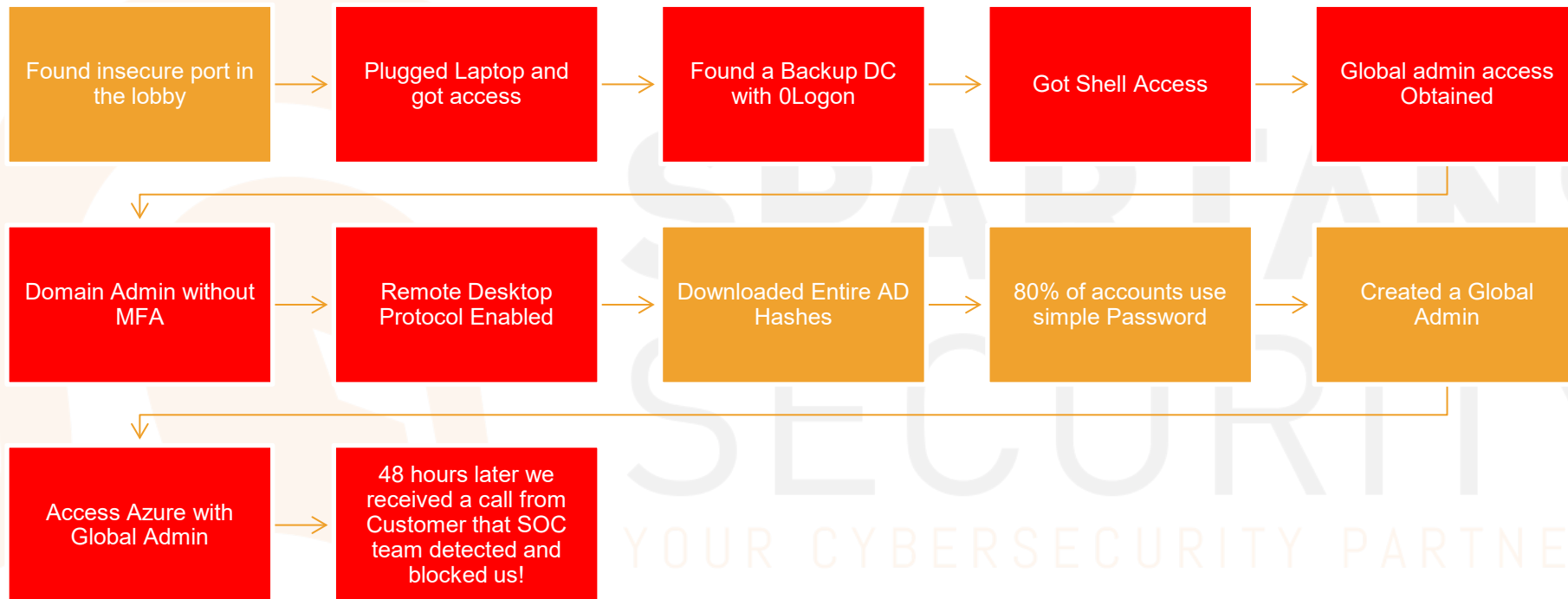
- 9 months after the breach
- We been told they have addressed all issues in the review
- Installed additional Controls to delay Global Admin creation
- Improved their password standards
- Rolled out MFA everywhere
- Reviewed All Service Accounts
- New CISO has just been appointed
- Conducted a Global review of all their Security Program
- Their SOC and Security team were aware of our Review

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Case Study 7





Microsoft Office Home x Microsoft 365 admin center - H x Users - Microsoft Azure x

https://portal.azure.com/#blade/Microsoft_AAD_IAM/UsersManagementMenuBlade/MsGraphUsers

Microsoft Azure Search resources, services, and docs (G+/)

Home > [Hamstead Inc.](#) >

Users | All users (Preview)

Hamstead Inc. - Azure Active Directory

+ New user + New guest user Bulk operations Refresh Reset password Per-user MFA Delete user Columns

This page includes previews available for your evaluation. View previews →

Search users Add filters

49,129 users found

	Name	User principal name	User type	Directory synced	Account enabled	Identity issuer	Company name
<input type="checkbox"/>	#A # Admin # Mi...	o_admin...@hamstead.com	Member	Yes	Yes	https://microsoft.com	
<input type="checkbox"/>	#B # BPC SQL Ad...	bpcsqladm...@hamstead.com	Member	Yes	Yes	https://microsoft.com	
<input type="checkbox"/>	#C # CE # Visitor	visitor@hamstead.com	Member	Yes	Yes	https://microsoft.com	
<input type="checkbox"/>	#F # FTP # Tresor...	ftptresor@hamstead.com	Member	Yes	No	https://microsoft.com	
<input type="checkbox"/>	#F # FTP service	svc_ftp@hamstead.com	Member	Yes	No	https://microsoft.com	
<input type="checkbox"/>	#G # Guest # Vee...	svc_veear...@hamstead.com	Member	Yes	Yes	https://microsoft.com	
<input type="checkbox"/>	#L # LDAP # vCe...	ldapvc@hamstead.com	Member	Yes	No	https://microsoft.com	
<input type="checkbox"/>	#L # Licensing #...	licensing.s...@hamstead.com	Member	Yes	Yes	https://microsoft.com	

Show all





Spartans Observations

- Adopt Zero Trust Framework
- Don't ignore risk of AI (I will show you)
- Data Classification and protection now and involve your business stakeholders
- Consolidate your vendors and move to single pane of glass where possible
- Always test your SOC/MSSP. **ALWAYS**
- inside your network is your biggest threat
- Essential 8 as complicated as it sound, it is just the start.
- Review your Service Accounts
- Vendors aren't always forthcoming with details, before or during incidents
- Patching, Network segmentation and Removing admin privileges will mitigate 95% of incidents
- Move from obsolete VPN remote access to more robust solution (e.g. W365)
- Attackers are shifting their techniques to more genius and simple ones (I will show you)
- Simulate not just test your Incident Response
- Critical decision during incidents should be built in your plan
- Decide now on Ransomware Payment position and validate with your insurance provider





Microsoft Zero Trust Capability Mapping



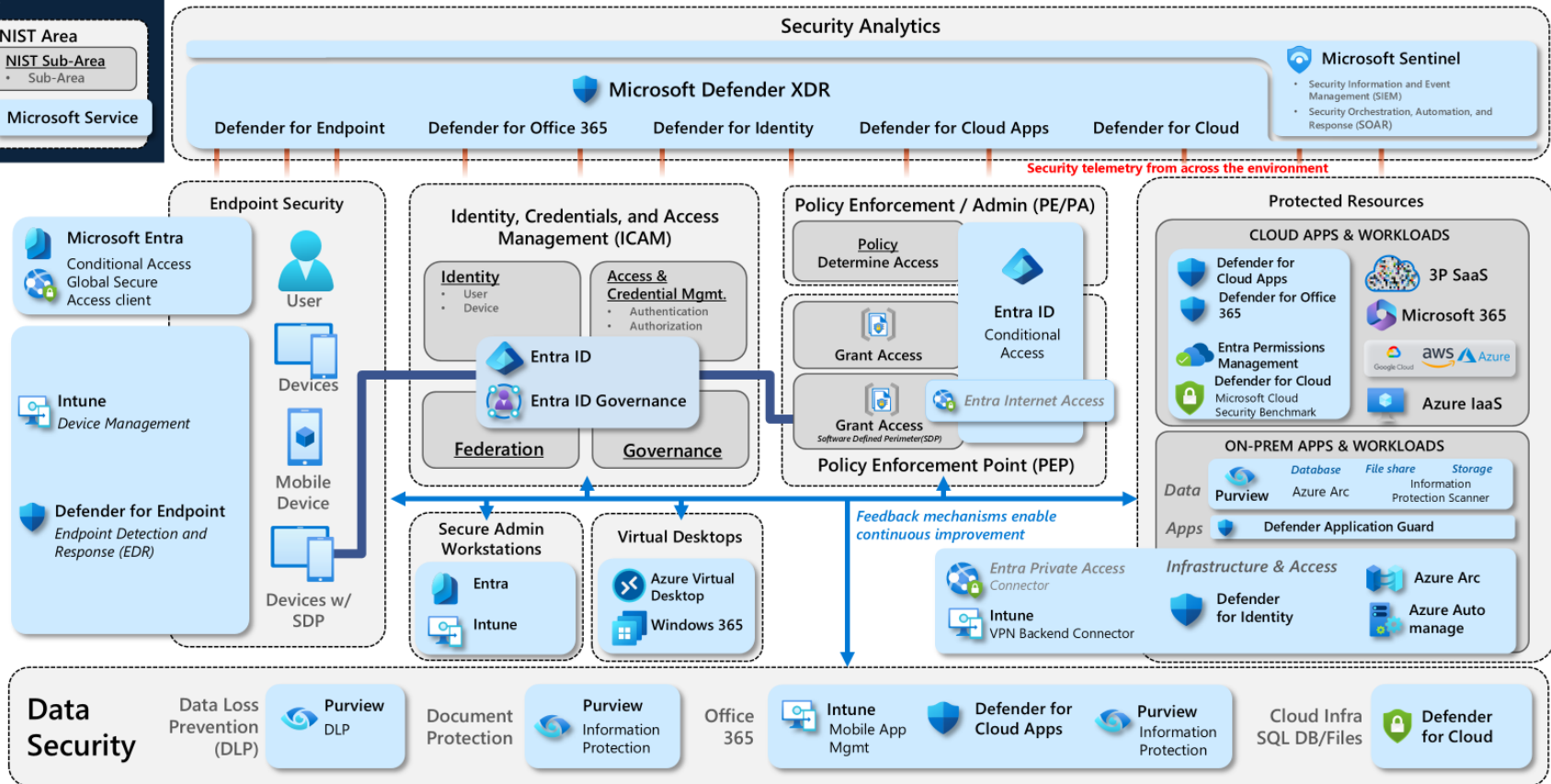
Key

NIST Area

NIST Sub-Area

- Sub-Area

Microsoft Service





**Download Your
Copy**

A stylized orange logo is positioned on the left side of the slide. It consists of several curved, overlapping shapes that form a partial circular or fan-like structure. The top part is a thin, curved orange band. Below it is a larger, solid orange shape that curves downwards and to the right. At the bottom, there is a white, angular shape that resembles a stylized letter 'L' or a similar geometric form, set against the orange background.

Thank you