



### CYBER SUMMIT

# ITC CYBER SUMMIT 2025

#### Addressing the biggest trends in cyber security

### **Redefining the basics**







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# Welcome

Mark Weait Chief Revenue Officer ITC Secure

#### **TODAY'S AGENDA**

13:00 Welcome

#### 13:10 CEO address

13:25 Understanding the global threat landscape What should unsettle you more: the emerging cyber threat or the emerging global uncertainty? Lt. Gen. Sir Graeme Lamb KBE, CMG, DSO

#### 13:50 Back to basics

Securing your business today, starting with effective threat profiling. ITC Secure

14:15 Networking break

14:35 Data security: Stopping the data bleed Protecting your data without increasing complexity and costs. ITC Secure

**15:00 Strategic insights for 2025 Navigating your digital defence strategy.** Sarah Armstrong-Smith - Microsoft

#### **15:25 Exclusive keynote**

Rik Ferguson, Special Advisor to Europol's European Cyber Crime Centre (EC3) and an advisor to the European Union.

**15:50 Closing remarks** 

16:00 Networking drinks





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# **CEO address**

**Arno Robbertse** 

Chief Executive ITC Secure







2025

# Understanding the global threat landscape

### Lt. Gen. Sir Graeme Lamb KBE, CMG, DSO







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## **Back to basics**

### **Peter Weller**

Senior Pre-Sales Consultant ITC Secure

#### **PROBLEM STATEMENT**

**Back to basics** 

### **Buyers and sellers.**

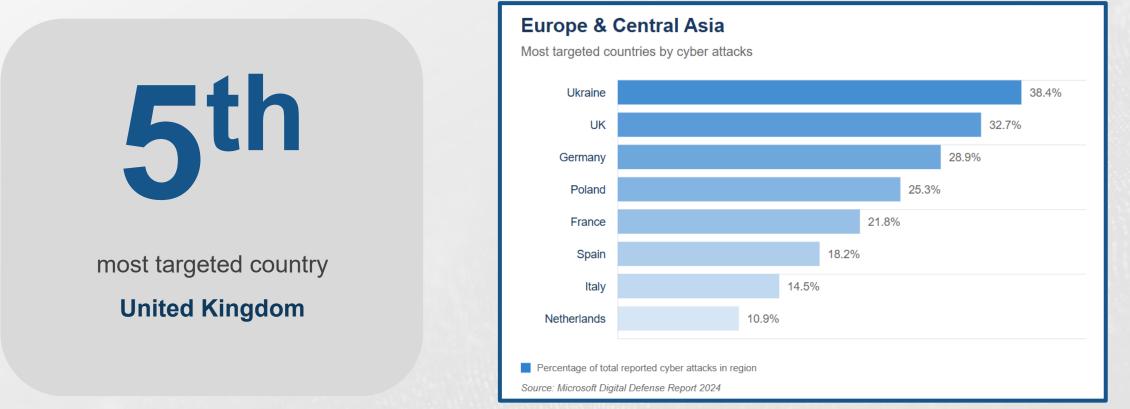
As an industry, have we been getting cyber security wrong?

# 2 0 2



#### **CYBER LANDSCAPE 2024**

Complex, challenging, and increasingly dangerous



All of us can, and must, do better, hardening our digital domains to protect our networks, data, and people at all levels.

- Tom Burt, Microsoft Digital Defense Report 2024

8

#### **PROOF POINT: THE GOOD**

8% increase

2023, spending in cyber security reached around \$80 billion, forecasts suggest the market will eclipse \$87 billion by 2024. Global spending on cyber security has been increasing since 2021. Statista: Spending on cybersecurity worldwide from 2017 to 2024

#### Whilst the majority of threats remain unsophisticated, cyber hygiene is improving.

Percentage of organisations that have made improvements to their cyber hygiene 2023 vs. 2024.

Using up-to-date malware protection

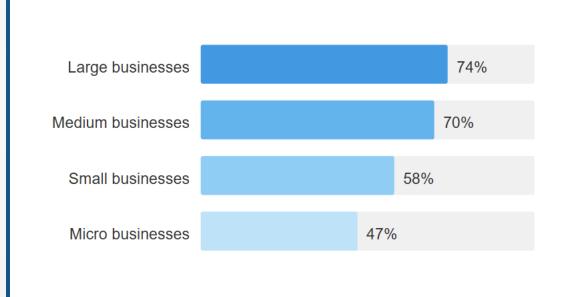


Gov.uk Cyber Security Breaches Survey 2024

Looking closer to home, the UK ranks well against the 75 peers it was measured against. Comparitech: Cybersecurity rankings by country

> UK ranked 8th

#### IF WE ARE DOING THE RIGHT THINGS, WHY ARE COMPANIES STILL GETTING HACKED?



#### **Breaches by industry**

Business overall **50%** Information / communication **72%** Utilities / production

**62%** 

Charities overall **32%** 

Source: Gov.uk Cyber Security Breaches Survey 2024

Breaches by company size

#### There is no data indicating that all these companies failed to invest in cyber security.

#### **PROOF POINT: THE BAD**

### Lack of skilled resource

30% increase

## Increased volumes and complexity

Cyber-attacks are increasing world-wide, with a 30% increase in weekly attacks on corporate networks in in Q2 2024 compared to Q2 2023.

CheckPoint Research: Q2 2024 cyber attack trends

# 26% increase

#### KPMG Global Tech Report 2023

KPMG Global Tech Report 2023

#### **Reduced barrier to entry and increased sophistication of attack**

The professionalisation of cyber-crime continues to make steady progress and will reach a new level of maturity by 2024.

SoSafe: Cyber Crimes Trends 2024

1 in 4 people have experienced
a voice cloning attack or know
someone who has.
McAfee: Artificial Imposters—
Cybercriminals Turn to AI Voice Cloning
for a New Breed of Scam.

More than half of breached organisations are facing high levels of security staffing shortages....a situation that corresponded to an average USD1.76 million more in breach costs.

IBM: Cost of Data Breach Report 2024

#### **THE VIEW FROM THE SOC**

- Too much noise impossible load that only compounds.
- Wasted investment, ingesting un-investigated and irrelevant data.
- Risks of true threat not being identified.
- Volume of tools increasing the problem, not solving it.

### SOC practitioners say their security tools are more hindrance than help when spotting real attacks.

Takeaway

Talented SOC teams with confidence in their ability as defenders feel **limited by the tools** and **Lack of threat signals** to help them identify real threats. There's an increased sense that they **can't keep pace with attacks** while threats remain buried in a **flood of noise and pointless alerts**, leaving them frustrated with the approach from vendors.



#### **SO, WHAT IS THE PROBLEM?**



There are over 400 vendors in the endpoint protection market. Expert Insights: The Top 11 Endpoint Security Solutions For Business We are deploying 'solutions' before we understand the **problem.** 

We must invest more time in developing **knowledge** in our field of play.



Cyber security continues to be top of mind for organisations. Research from the Enterprise Strategy Group indicates that 65% of organisations plan to increase cyber security spending this year.

#### WHY WE ARE GETTING IT WRONG

Rushing to the SOLUTION before truly understanding the PROBLEM

#### Minding the GAP – Personas External attacker / Malicious Insider – Exploits the GAP **Business User Persona and Process Departments** Understanding of specialized business processes and risks Has tech cyber knowledge, visibility and tools External attacker Lacks business process/app domain expertise Malicious Insider Concerned by the risk/impact Lacks capacity ✓ Exploits the gap ✓ Attacks business processes Lack the tech cyber knowledge, visibility and tools to Resorts to broad, generic cyber detections at IT with technical cyber means mitigate infra level Resort to basic, often manual, ineffective process controls 'US and Them' relationship, rather than a 'TEAM'.

SoC Persona and Security Team Understanding of cyber technical attack vectors

#### **HOW DO WE GET IT RIGHT?**

#### Start with the **PROBLEM**, that leads to the right **ANSWER**

#### 1. Can I map out my field of play?

Service locations, user types, data paths, authentication techniques, access controls, defences tooling and controls.

## 2. How could an attacker hurt my business, and why?

Monetary, ethical, political.

#### **3.** How could they achieve their goal?

BEC, malware, exfiltration, encryption, fraudulent impersonation.

#### 4. What do I have in place to mitigate the risk?

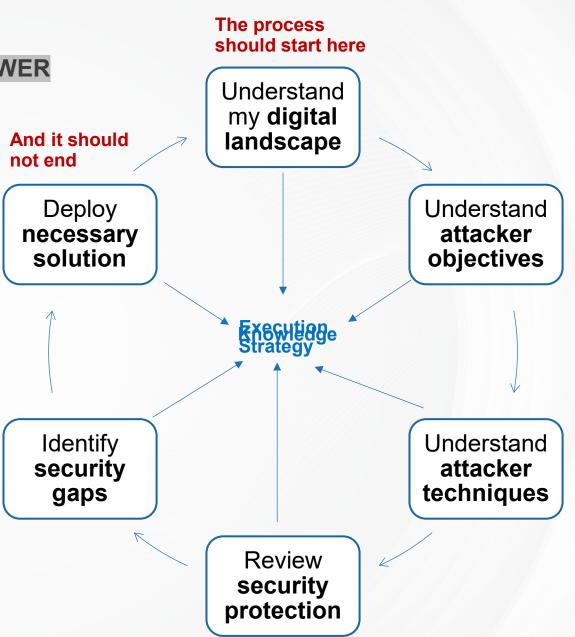
Posture controls, security tools, business process, user awareness, backup protection.

#### **5.** Where are the gaps in my defence?

What you don't have.

#### **6.** What is the right solution to address the gaps?

What delivers a tangible solution, based on qualified value?



15

#### **THREAT PROFILING: STARTING FROM A POSITION OF KNOWLEDGE**

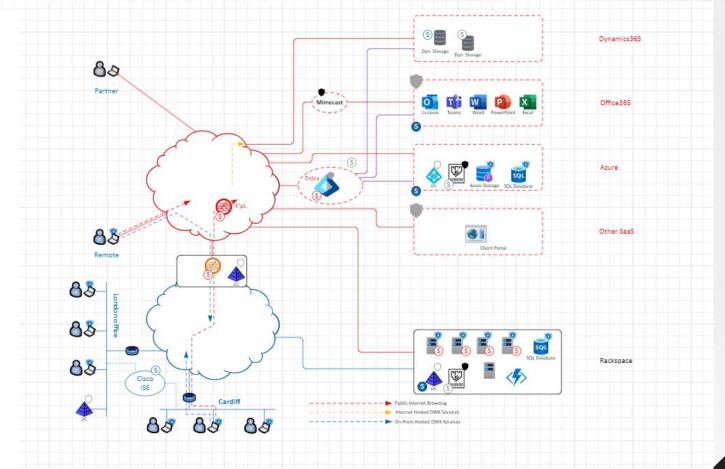
ITC's approach to address the gap

Understand the environment and apply real-world threat scenarios against the environment.

Review with the customer the effectiveness of the tools deployed against the threat scenarios.

- **Highlight** where **critical gaps** exist within the landscape.
- Identify potential solutions to remove risks.

Repeat periodically, as environments and threat landscape are highly dynamic.



16

#### **A CLEAR MESSAGE**

National Cyber Security Centre

ABOUT NCSC CISP REPORT AN INCIDENT

Q)

CONTACTUS

Home Information for... Advice & guidance Education & skills Products & services Respond & recover News & blogs

#### GUIDANCE

#### **Risk management**

This guidance is intended to help you better understand and manage the cyber security risks affecting your organisation.



The first step in any cyber security risk management process is to understand the business context within which cyber security risks will be managed.

Establishing the organisational and business context will help you discover and understand;

- What your organisation really does
- What it values
- What its concerns might be

#### **STARTING FROM A POSITION OF KNOWLEDGE**

Protect first what matters for your business and be ready to react properly to pertinent threats.



#### **Be led by your requirements**

Tools should be justified against quantified risk, with a clear value rationale for your business.

#### Where are your crown jewels?



#### Simplify and balance

Multiple tools will generate costs, as well as service complexity – **avoid artisan security.** 

Focus on mastering a single technology suite.



#### **Review**

Continually review the ecosystem and threat landscape – both are dynamic.

Ensure the tools and the data ingested remain fit for purpose.



#### Manage what is monitored

Do not miss the business systems e.g. CRM / ERP on Dynamics365.

Where does your data sit?

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# **Networking break**





# Data security: Stopping the data bleed





### **Julien Seld**

Senior Cloud Security Architect

### **Mark Weait**

Chief Revenue Officer

#### **DATA SECURITY – A RISING CONCERN**

Why is data security at the top of the agenda for most business leaders today?

Cyber crime expected to increase 15% annually to £13.82 trillion by 2028.

Cybersecurity Ventures report

Approx. **90% of the world's data** has been **generated over the past two years**, doubling approximately every four years.

IDC

47% of US businesses have suffered significant revenue loss due to a data security incident.

Arcserve

Last year 66.2% of the world's population was online – 77% of the UK worried about privacy.

#### Norton

Fear of IP theft and impact to business operations or reputational risk.



Global average cost of a data breach in 2024 – **10% increase over 2023.\*** \*IBM Cost of a Data Breach Report 2024



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#### **DATA SECURITY – A RISING CONCERN**

Why is it challenging for businesses to address?

#### **Digital Transformation:**

- Cloud transformation with advancing edge technology.
- 40% of breaches involved data stored across multiple environments – taking the longest to identify (283 days).

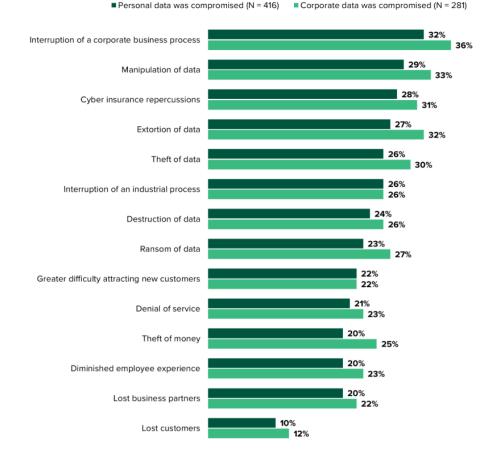
#### Hybrid and remote working patterns:

• 21% of enterprise breaches were due to an external attack targeting an employee's home/remote work environment (Forrester Security Survey 2023).

#### Data privacy regulation:

- 75% of the world's population expected to have their personal data covered by privacy laws (Gartner).
- Increasing regulation GDPR, DORA, NIS2, CCPA with heavier fines.

"What were the effects of the breach(es) occurring in the past 12 months?" (Multiple responses accepted)



Base: global enterprise security decision-makers with network, data center, app security, or security ops responsibilities who have experienced a breach in the past 12 months

Source: Forrester's Security Survey, 2023

#### DATA SECURITY – A RISING CONCERN

Why is it challenging for businesses to address?

#### **Generative AI – a major accelerant!**

- Al has become critical to the future of our country...driving the fastest technical and scientific revolution in our history"
- S&P Global Market Intelligence report 49% of businesses intend to invest in AI, conversely Gartner called out 40% of businesses already have privacy breaches related to AI – with 25% malicious.
- IBM cited 47% of businesses were concerned with new attacks targeting AI.

#### Third-party supply chain:

- Third-party data breaches have emerged as one of the biggest threats to cyber security for organisations in the EU (Security Scorecard).
- Stating 98% of organisations have a relationship with a third party that has been breached.

#### Staff shortages:

• More than half of the organisations studied had severe or high-level staffing shortages last year and experienced significantly higher breach costs as a result.

26% spike in severe security staffing shortages



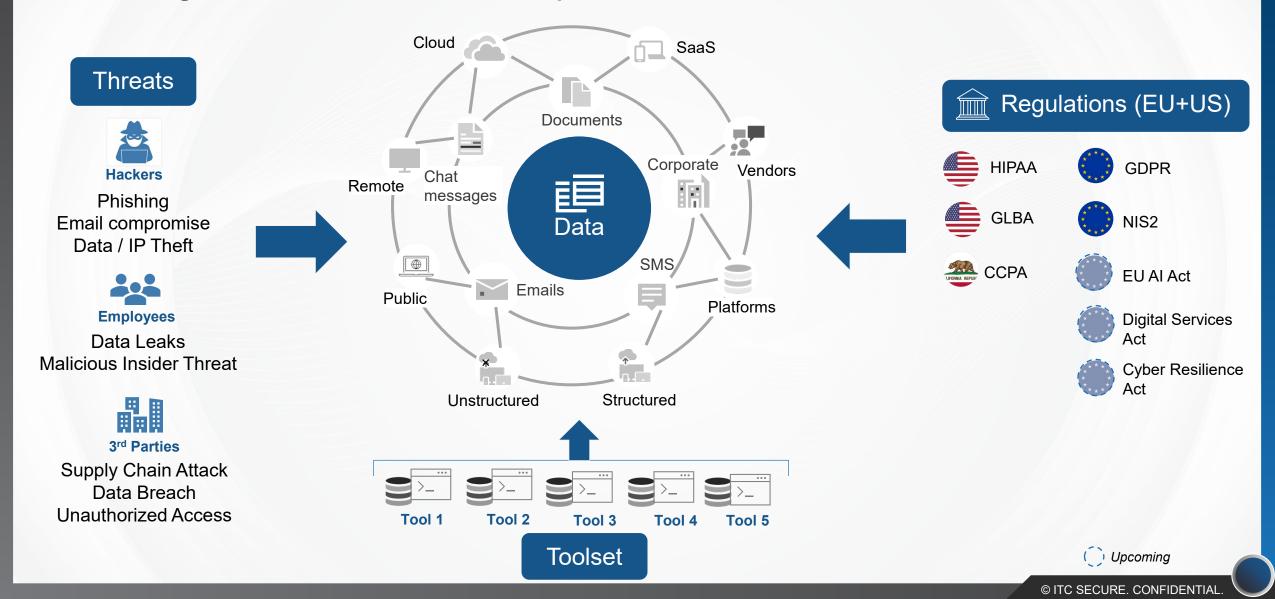




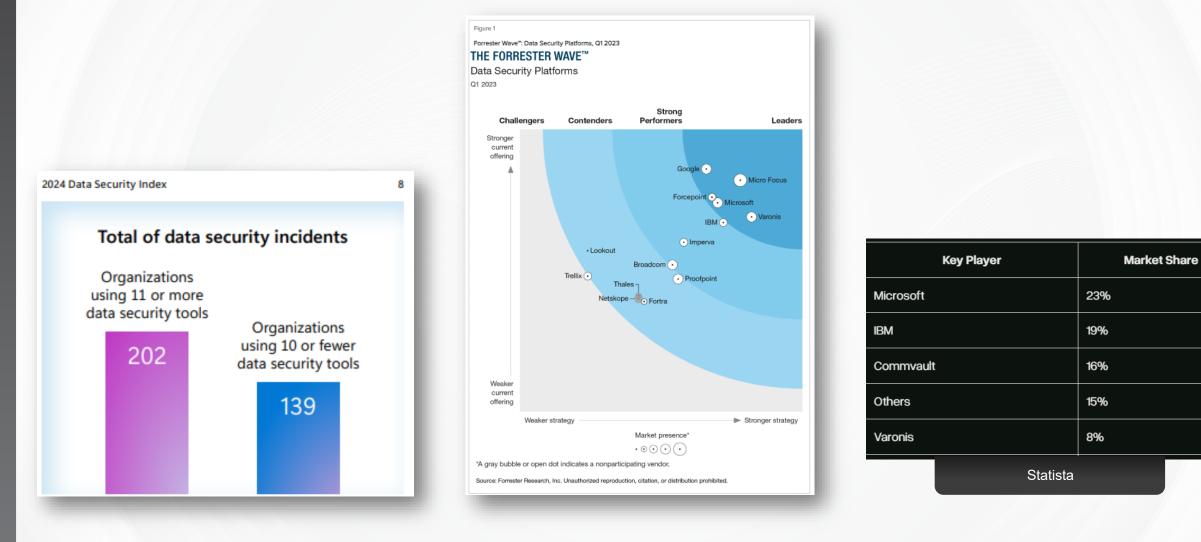
# What can businesses do to get ahead of the curve?

# WHAT ARE THE MOST PERSISTENT THREATS TO DATA SECURITY?

The challenge: Secure data and achieve compliance



#### **Data Security Journey: A Unified Approach**



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**Data Security Journey Unified approach** to automatic data classification, policy management, analytics and APIs. **Microsoft Purview** Understand your data Detect risky behaviour and **KNOW** landscape and identify PREVENT prevent accidental **YOUR DATA** important data across oversharing of sensitive **DATA LOSS** your hybrid environment. information. Apply flexible protection Automatically retain, actions including encryption, GOVERN PROTECT delete, and store access restrictions and **YOUR DATA YOUR DATA** data and records in a visual markings. compliance manner.

Crawl - Walk - Run

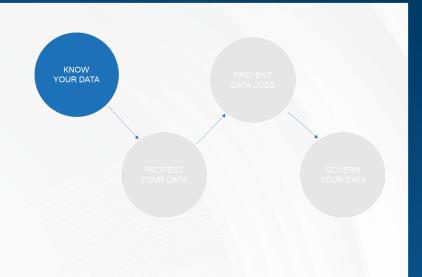
Step #1

Learning to Crawl - Laying the foundation with data visibility



Microsoft Purview helps your organisation **gain visibility into your data estate.** By understanding where data exists, where it resides, and its sensitivity, you build the groundwork for security.

- Classify and identify sensitive data across your environment, even with third-party tools.
- Leverage insights from Purview to understand how your data lives and how to implement policies that are compliant with regulations.
- Gain visibility into sensitive data types, such as PII, financial data or intellectual property.



Crawl - Walk - Run

Step #2

Learning to Walk - Monitoring your environment

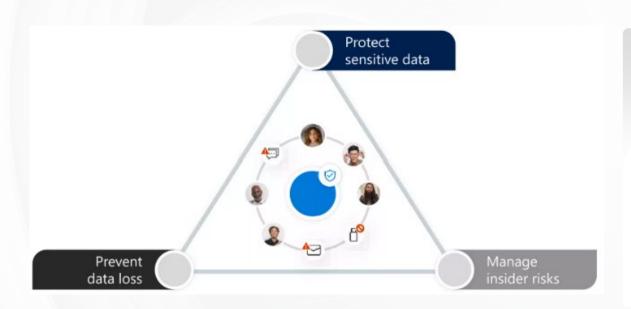




Microsoft Purview helps **protect data** by providing unified data governance, classification, and risk management to ensure secure and compliant data handling across an organisation.

- Use sensitivity labels to make sensitivity level of items visible to all users.
- Apply protection actions that include encryption, access restrictions and visual markings.
- Adoption is key onboard users with corporate data protection policies.





Microsoft Purview will help you prevent the inappropriate sharing, transfer, or use of sensitive data across apps and services.

- Implement consistent policies to detect risky user behaviour and prevent accidental oversharing of sensitive information.
- Leverage real-time insights to detect and respond to security risks effectively.

PREVENT DATA LOSS

Crawl - Walk - Run

Step #4

Go Beyond – Extend compliance and governance.



- Enable XDR to tie in all cyber security monitoring and cyber risk management.
- Define consistent data governance rules in Purview that can span across all your environment (incl. outside M365 and Azure).
- Leverage Purview reporting to manage risks and compliance issues.
- Extend protection to generative AI.





Crawl – Walk – Run

#### **Build a plan**

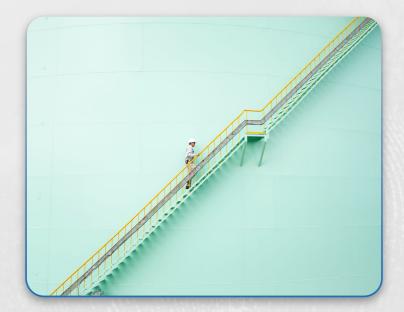


#### Don't run before you can walk



#### Deploy with refinement cycles











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# **Strategic insights for 2025**

### **Sarah Armstrong-Smith**

Chief Security Advisor Microsoft



**Strategic insights 2025** Navigating your digital defense strategy

Sarah Armstrong-Smith Chief Security Advisor

Highlights from Microsoft Digital Defense

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2024 10 essential insights

1: Threat actors more complex, better resourced, with sophisticated tactics 2: Blurred lines between state-affiliated actors, and proxy groups 3: Microsoft encountering 600 million cyberattacks a day 4. Identity has overtaken endpoints as the primary attack vector 5: Business Email Compromise (BEC) mailbox manipulation & hijacking 6. Ransomware encounters up 2.75x, whilst success rate is 3x down 7: Dramatic increase in AI-enabled cyberattacks and human targeting 8: Nation state actors combine influence operations with cyber attacks 9: Critical infrastructure increasingly becoming the core battleground **10**: The future requires an 'all hands-on deck' commitment

# Nation State Activity

State-affiliated threat actors played a persistent supporting role in broader geopolitical conflicts.

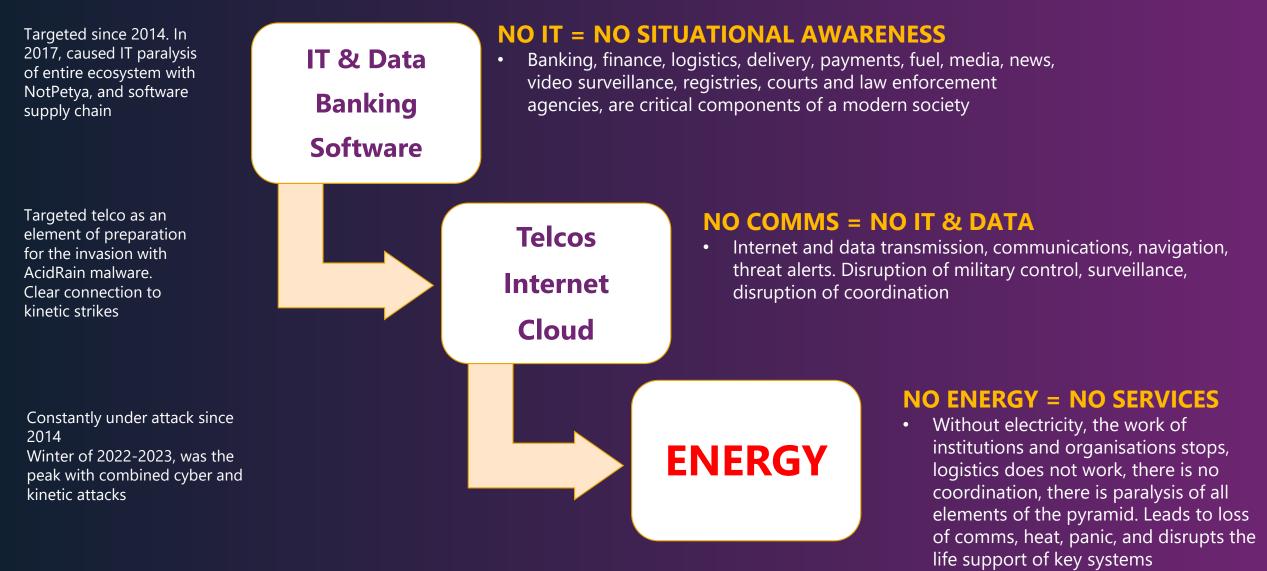
- Russia: July 2023 June 2024, 75% of targets were in Ukraine or NATO member states, as Moscow seeks to collect intelligence on the West's policies on the war. Increased to 90% over recent months, due to Ukraine putting troops on Russian soil
- China: Remains consistent in terms of geographies targeted and intensity of targeting – mainly focused on USA & Taiwan, with expansion into Hong Kong, Philippines and India
- Iran: Nearly 50% operations targeted Israeli companies. Also targets media, think tanks or NGOs, to gain insights into dissidents, activists, and people who can impact policymaking.
- North Korea: USA remains the most targeted country, with UK second. Moonstone Sleet, developed custom ransomware called FakePenny which it deployed against aerospace and defense after exfiltrating data

Top 10 targeted sectors worldwide										
	1	2	3	4	5	6	7	8	9	10
Sect	or							Ρ	erc	centage
1	IT									24%
2	Education and Research 21%							21%		
3	Government								12%	
4	Think tanks and NGOs 5%							5%		
5	Transpo	ortation								5%
6	Consumer Retail							5%		
7	Finance								5%	
8	Manufacturing								4%	
9	Communications								4%	
10	All othe	ers								16%

Threat actors from Russia, China, Iran, and North Korea pursued access to IT products and services, in part to conduct supply chain attacks against government and other sensitive organizations.

Source: Microsoft Threat Intelligence, nation-state notification data

## Russian targeting of Ukraine





## **Seashell Blizzard** ramping up cyber operations in Ukraine

Also known as: IRIDIUM, BE2, UAC-0113, Blue Echidna, **Sandworm**, PHANTOM, BlackEnergy Lite, APT44 GRU specialises in cyber strategic and special ops, to help with war effort

## Activity overview

- > Since August 2024, we have observed an increase in cyber operations against Ukrainian targets
- Resumed the use of destructive and wiper custom malware, amended with weaponized Zip files, and screen grabbers
- > This is the first time since late 2023 that Microsoft has observed Seashell Blizzard conducting destructive attacks in Ukraine replicating previous targeting of Agriculture, Pharmaceuticals and Retail.

- In October 2024, Seashell Blizzard conducted a multi-pronged spear-phishing campaign against the European energy sector using the Gas Infrastructure Europe Annual Conference as the lure.
- The goal of the campaign is likely to collect credentials and achieve persistence on energy sector verticals using malware

## **Secret Blizzard** compromising the tools of others

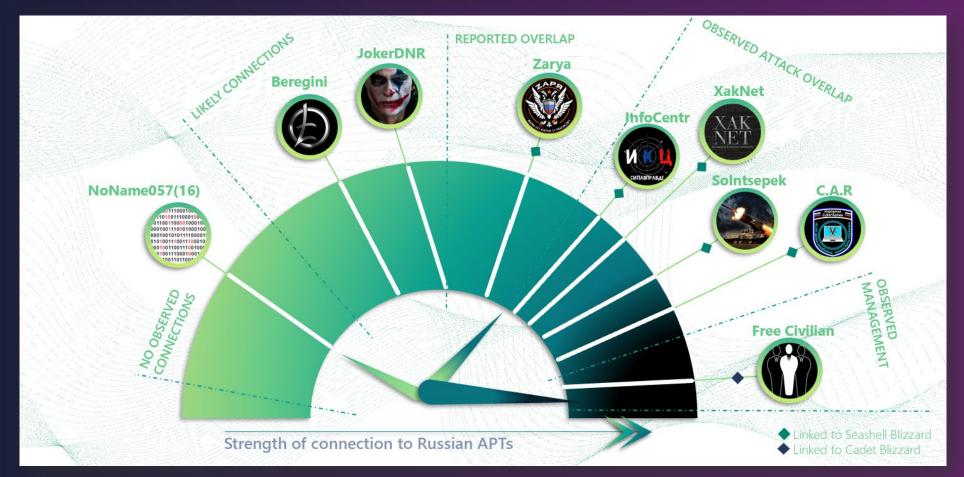
Also known as: KRYPTON, VENOMOUS BEAR, Uroburos, Snake, Blue Python, Turla, WRAITH, ATG26 FSB Signals intelligence focused on long term access for espionage and research

#### Activity overview

- Secret Blizzard has used the tools and infrastructure of at least six other threat actors, either by purchasing, or stealing access
- This includes targeting infrastructure where other threat actors have exfiltrated data, for espionage
- Taking advantage of other threat actors, allows Secret Blizzard to establish footholds on networks of lower priority interests with minimal effort.

- Compromised the command-and-control infrastructure of Pakistan threat cluster Storm0156
   — to install their own backdoors and collect intelligence on targets in Afghanistan and India.
- > Used the Amadey bot malware related to Storm1919 to download backdoors to target devices associated with Ukraine military.
- > Used the backdoor of Storm1837, a Russian-based threat actor that targets Ukrainian military drone pilots, to download the Tavdig and KazuarV2 backdoors on a target device in Ukraine

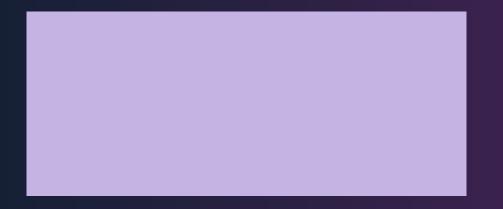
## **Dialing up Russian hacktivism**



Hacktivist groups with suspected connections to the GRU are working to amplify Moscow's displeasure and exaggerate the number of pro Russia cyber forces. Observed personas on Telegram spread messages that attempt to justify military assaults on civilian infrastructure in Ukraine and focused DDoS attacks against Ukraine's allies abroad.



## Al's impact on cybersecurity





Al is dramatically altering the cyber threat landscape, enabling threat actors to operate with greater sophistication and at an unprecedented scale. Public-private partnerships are critical to counter AI-enabled cybercrime and build resilient defense mechanisms for the evolving threat landscape.

# Al and Security

What to know

Security of Al

Net new security challenges of AIAdversarial machine learning

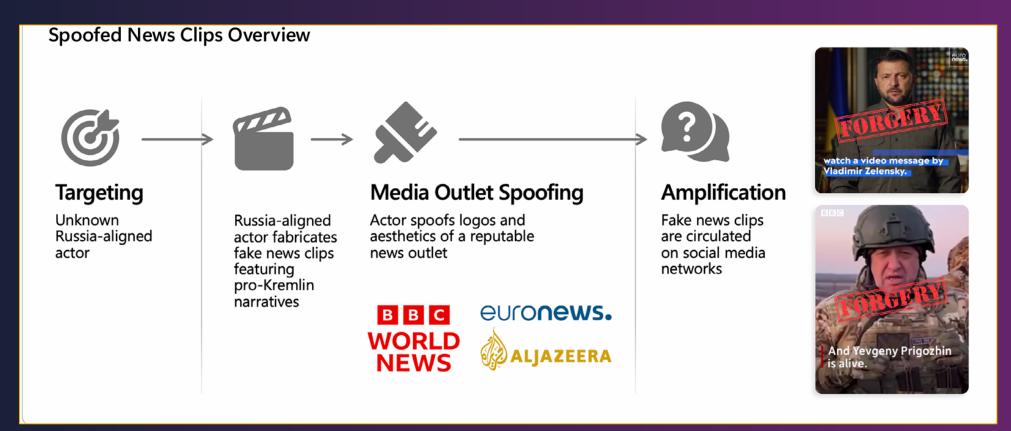
Al-enabled - Shifting balance of powerCyberattacks - Next-generation defense needed

Al for Security Al applied to cybersecurityOffense and defensive capabilities

## **Al-enabled cyber attacks**



## Spoofing mainstream media



Russia-affiliated influence networks have focused on using video to spread messages coupled with spoofing authoritative mainstream news and entertainment. This activity focuses on painting Ukrainian President Volodymyr Zelensky as a corrupt drug addict and Western support for Kyiv as detrimental to those countries' domestic populations.

## Use of traditional and deep fakes ahead of US elections

R U Z A F L O O D aka Doppelganger	S T O R M - 1 5 1 6	<b>VOLGA FLOOD</b> aka Rybar	S T O R M - 1 6 7 9			
<ul> <li>Deepfake of Harris mocking Trump and assassination attempt</li> </ul>	<ul> <li>Fake video of Harris supporters assaulting a Trump rally attendee</li> <li>Fake hit-and-run</li> </ul>	• Content mocking Harris on covert US- focused channels	<ul> <li>Fake news spoof videos on Harris's policies</li> </ul>			
<text><text><text><text><text></text></text></text></text></text>	A LICE BROWN MICHAEL CALL CALL CALL CALL MICHAEL CALL CALL CALL CALL CALL CALL CALL C	<image/>	Kamala Harris's   spouse's family   has ties to the   largest manufacturer   Oto 112 20 2 2 2			

## **Lessons learned from AI-enabled attacks**

- Al-enabled human targeting. These threats will be more difficult to detect and defend against, so tech needs to act as safety net
- Al for evasion and challenge-solving poses significant challenges for traditional security measures. Organizations must adapt by incorporating advanced Al-driven detection and mitigation techniques to stay ahead
- Highlights the critical need for ongoing innovation to counteract the tactics employed by attackers. As groups continue to evolve, so too must the defenses designed to protect against them



## Al for Security Key Use Cases

Triaging alerts on potential attacks

Identifying multiple attempts at compromise that are part of a larger attack campaign

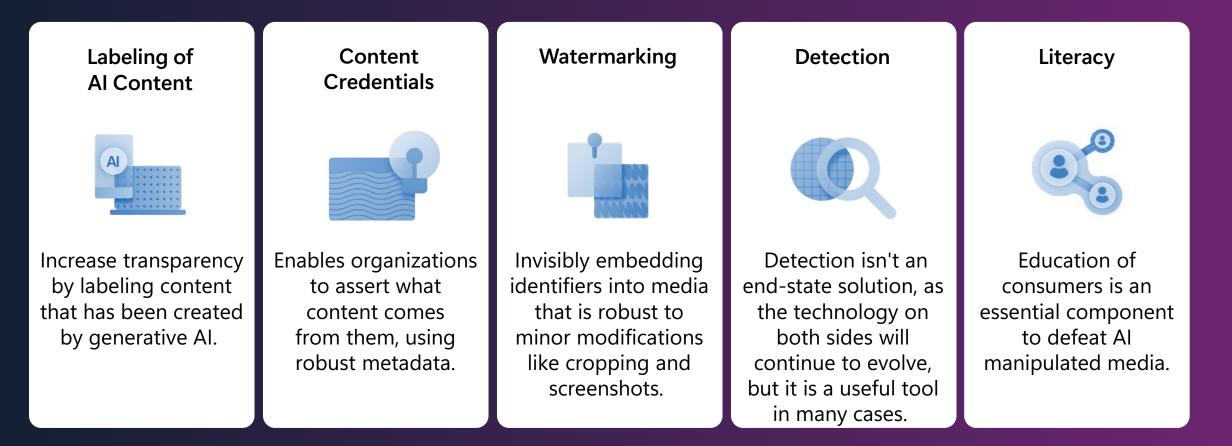
Detecting the 'fingerprints' of malware within a computer or on a network

Integrated behavioral and linguistic detections, to identify advanced social engineering

Build of complex workflows, for attack surface disruption

# Layered defense-in-depth approach

Actionable steps to protect from AI-generated malicious content



## Centering our organizations on security

What is the path forward to improve resilience?

#### Hierarchy of security needs

50

#### Secure Future Initiative

## **Hierarchy of cybersecurity needs**

Drawing inspiration from Maslow's hierarchy of needs, this graphic illustrates a prioritization of cybersecurity, starting with the most basic need: protecting identities. All has a role at each tier, underscoring its potential to enhance security measures.

Cultivating a robust security culture within the organization, helps ensure the technological defenses and human practices evolve in concert to mitigate threats effectively.

AUTOMATE SECURITY OPERATIONS Automating security operations is the holistic approach to building on perspectives and insights across all layers in the pyramid.

#### $\rightarrow$ IMPACT...

Automating processes at scale creates new opportunities for insights as well as relief for stressed defenders.

#### DETECT AND REMEDIATE THREATS

Monitoring your ecosystem to identify anomalous activity and contain threats.

#### IMPACT... $\rightarrow$

The ability to identify and respond quickly can limit lateral movement, contain damage to assets and deny persistence.

#### SECURE DIGITAL ASSETS

Digital assets, whether code, traditional data stores, and now generative AI models are all key components of modern workloads.

#### PROTECT ENDPOINTS $\rightarrow$

Protected endpoints include the multiple dimensions of devices in use today - from PCs and mobile devices, to network and operational technology (OT), and servers in datacenters.

 $\rightarrow$ 

IMPACT...

Modern workloads deliver the value-add to end users who increasingly rely on their integrity and availability.

#### $\rightarrow$ IMPACT...

Effective endpoint protection can limit the repercussions of unauthorized access.

#### **PROTECT IDENTITIES**

"Attackers don't break in, they log in." Credentials for both individuals and machines are the perimeter of the modern attack surface.

#### IMPACT... $\rightarrow$

Strong identity security can greatly reduce risk exposure—particularly for ransomware attacks.

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Healthy security culture



effort, and are not optional

will continuously be improved to meet current and future threats

# What can we expect 2025?

- From disruption to destruction, as global threats ripple through supply chains
- > Attackers commoditise the power of AI, to amplify attacks at scale
- > As technology evolves, attackers will utilise advanced social engineering
- > Cyber influence operations converge as a core tactic



# What does this mean for **Defenders?**

- Scale and deploy 'code & configs' faster, by design & default
- Protecting identity whether people or machines - is the core objective
- > Building transparency through stronger collaboration, and harnessing intelligence 'at the speed of relevance'.
- Protecting and governing data and intellectual property, no matter where it resides remains consistent





# Thank you





CYBER SUMMIT

# **Exclusive** keynote

## **Rik Ferguson**

#### **SIGNIFICANT EVENTS IN 2024**

Attacks, Accidents, and Nasty Surprises™





## CROWDSTRIKE



# CHANGE Healthcare



# **Osisense** snowflake



#### **MOST NOTABLE RANSOMWARE GROUPS OF 2024**

RansomHub Play Akira Hunters Int. Medusa Qilin BlackBasta BianLian INC Ransom BlackSuit 593 claimed victims in 2024
362 claimed victims in 2024
291 claimed victims in 2024
227 claimed victims in 2024
212 claimed victims in 2024
179 claimed victims in 2024
176 claimed victims in 2024
166 claimed victims in 2024
162 claimed victims in 2024
156 claimed victims in 2024

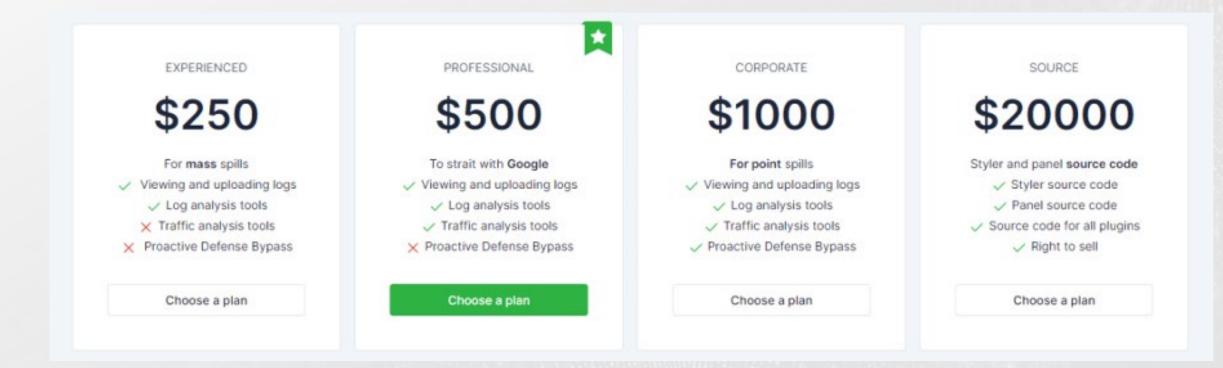
First detected 2024 First detected 2022 First detected 2023 First detected 2023 First detected 2022 First detected 2022 First detected 2022 First detected 2022 First detected 2023 First detected 2023 First detected 2023

#### **A BIG NUMBER**

# 1 374 671 706

#### **RETURN OF THE INFOSTEALER**

...now available as a service!



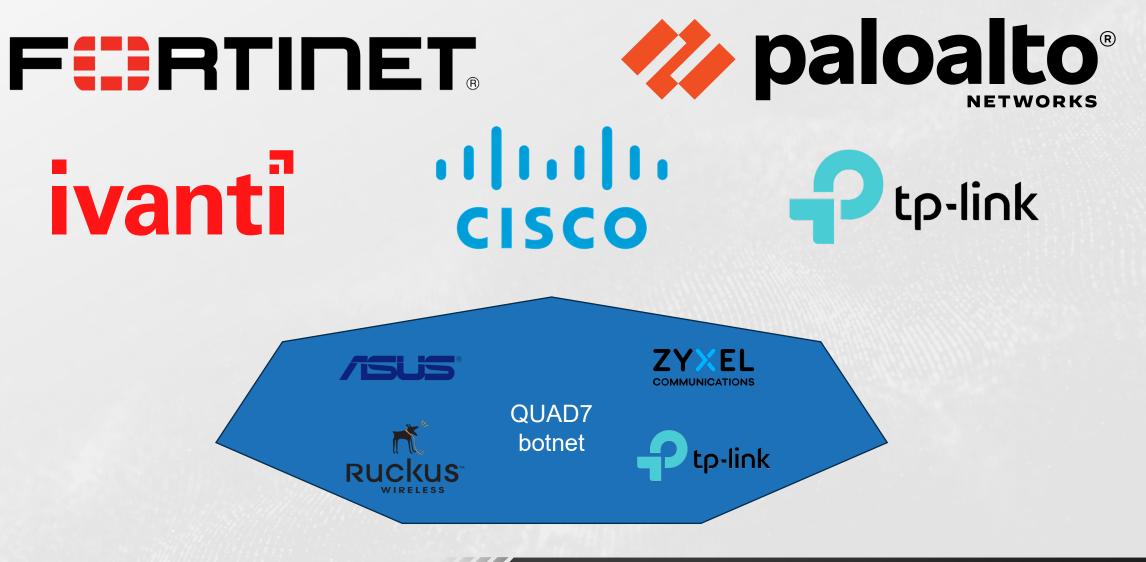
Most prevalent include Lumma, Formbook/XLoader and Vidar

#### **ZERO-DAY VULNERABILITIES IN 2024**

00010101001011000 1 1  $\mathbf{O}$  $\mathbf{O}$ 1 1  $\cap$ 0 1  $\mathbf{O}$ ()()()1  $\mathbf{O}$ ()()0 0  $\bigcap$ 0  $\mathbf{O}$ ()()1 ()() $\cap$ - $\mathbf{O}$ ()9 5 9 -0 -

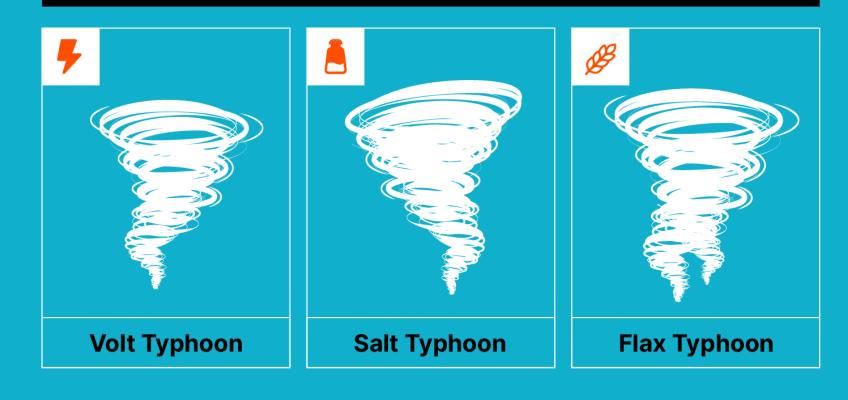
#### **EDGE DEVICE ATTACKS RUN RAMPANT**

Access, Exfiltration and Abuse



#### **TYPHOON SEASON**

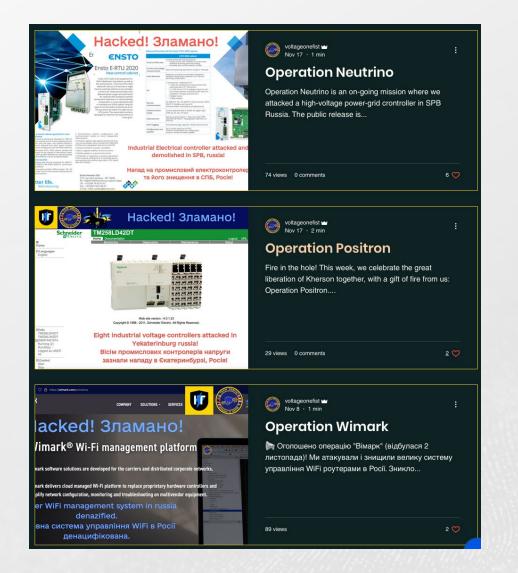
## Typhoon Classification\_

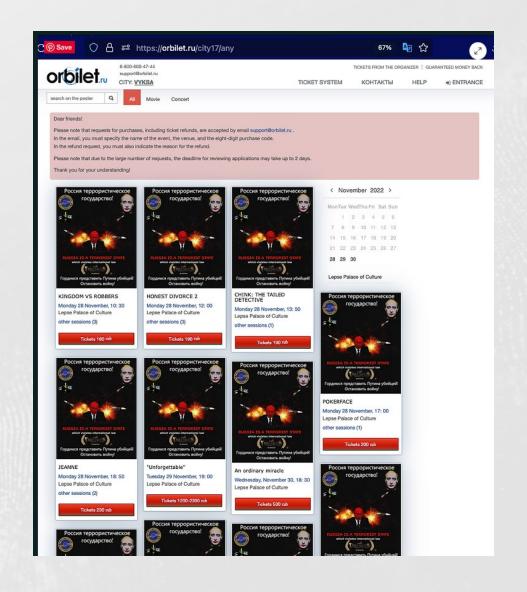


### **CONSEQUENCES OF WAR**



### **CONSEQUENCES OF WAR**





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## **CONSEQUENCES OF WAR**

GhostSec @ghost\_s3c

@ghost\_s3curity

We, **#GhostSec** declare that we were infact responsible for the "mysterious" emergency shutdown.

We now state that the ICS attack was successfully executed with 0 casualties in the actual explosion due to our proper timing while preforming our attacks.

#### mirror.co.uk/news/world-new...



Thraxman 🧟 🐵 @ThraxmanOneFist

Nov 13

We attacked their **#SCADA/#ICS**, demolishing 8 expensive Schneider M258s **#PLC**, w/2400 channels & 16 DOF each for complex machines. This led to a fire that erased an entire workshop building, and took 13 trucks to extinguish! According to locals the first 3 arrived without water 😂 2/





#### **CHALLENGES IN SECURING OPERATIONAL TECHNOLOGY**

#### **ICS/OT vulnerabilities**

- 2,010 ICS/OT vulnerability advisories in 2023.
- 27% of advisories had no patch, of those 18% had no mitigation either!



#### **Operational technology**

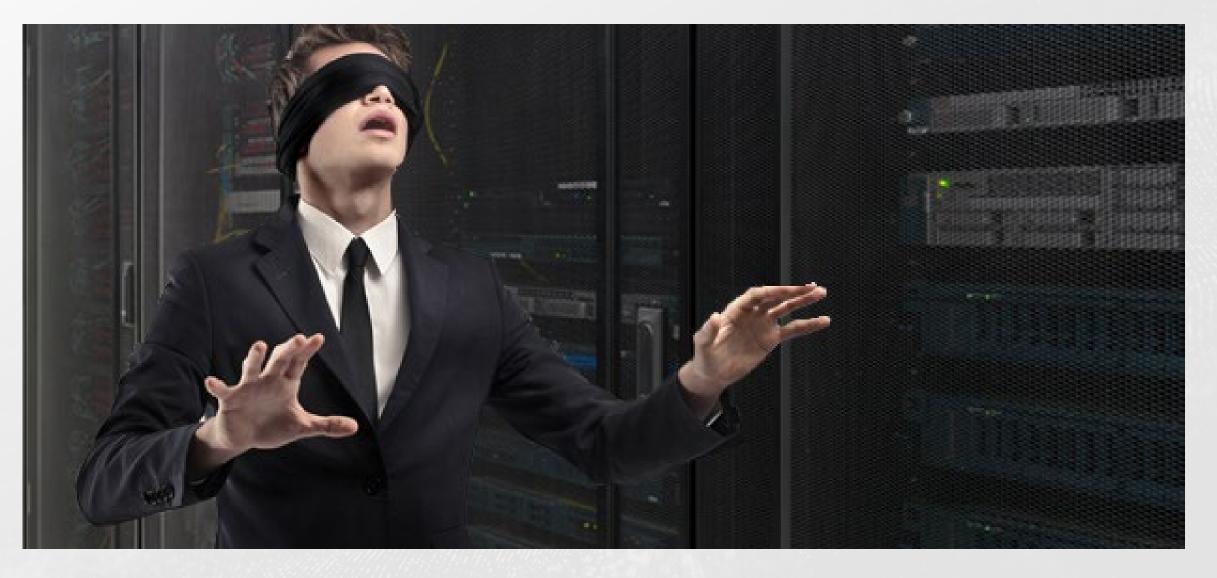
- Rarely managed by integrated security teams.
- Limited to zero visibility of assets.

#### Industrial Control Systems

- Not designed for connectivity.
- Insecure by design.
- Supply chain weakness.



## **TODAY'S REALITY**



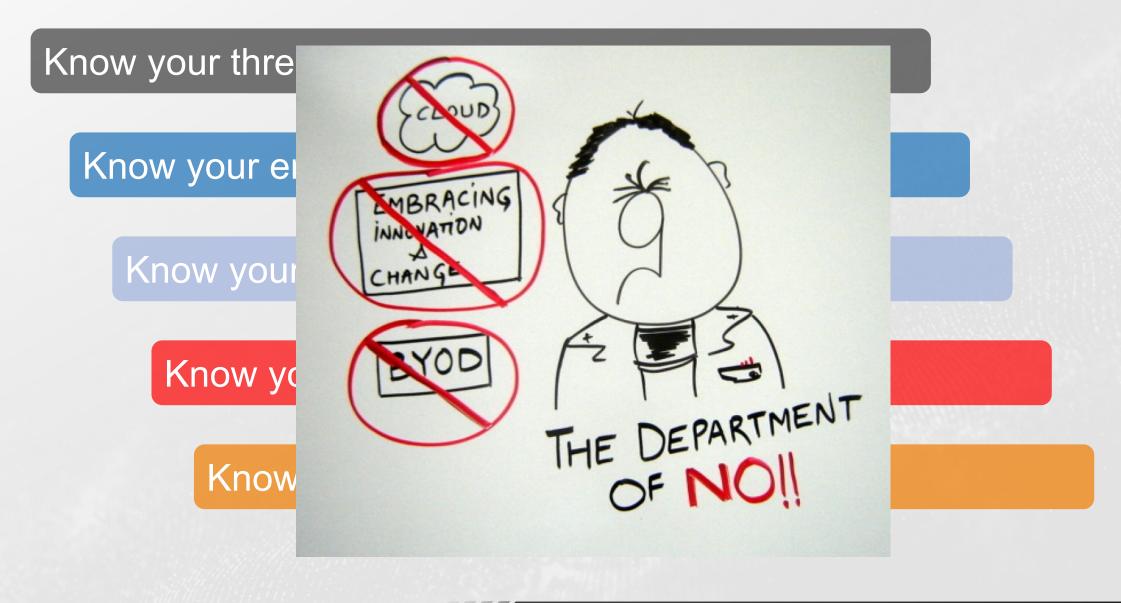
### **THE SCALE OF THE PROBLEM**



### IF DATA IS THE NEW OIL



## **CYBER SECURITY, THE DEPARTMENT OF NO?**



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# **Closing remarks**





# **Networking drinks**





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