

WELCOME TO

Integrity360
your security in mind

SECURITY FIRST

CYBER SECURITY CONFERENCE 2026

DARKTRACE

CROWDSTRIKE | **aws**

SentinelOne **VECTRA**

FORTINET

RESILIENCE REDEFINED:

SECURING THE HUMAN-AI ERA

Welcome by regional team



Shabeer Ramsingh

Global Head - Strategic
Business Development,
Integrity360



Candice Burke

Business Development
Manager,
Integrity360



Jessica Magalhaes

Business Development
Executive,
Integrity360

09:30 Welcome & opening
Intergrity360

09:40 Resilience redefined: Securing the human-AI era
Integrity360

10:35 Client panel: Building a security culture that thrives with AI
Integrity360 | Ramps Logistics | First Citizens

11:00 Comfort break

11:20 How to Succeed When Every Day is Zero-DAI
Darktrace

11:45 Panel: Keeping the Lights On: Defending CPS and Critical Infrastructure in the AI Era
Integrity360 | Fortinet | Water & Sewerage Authority T&T

12:15 Lunch

13:15 Panel: AI in the SOC: Turning intelligence into resilience
Integrity360 | SentinelOne | Vectra | Infolink Service Limited

13:45 AI-Accelerated Threat Landscape: The Year of the Evasive Adversary
Crowdstrike

14:10 Panel: Networks without borders: Trust nothing, verify everything
Integrity360 | Government of the Republic of T&T | CARPHA

14:30 Refreshment break

14:50 Fireside Chat: Q-day & beyond – Building resilience for the Quantum age
Integrity360 | City of Bridgetown Credit Union

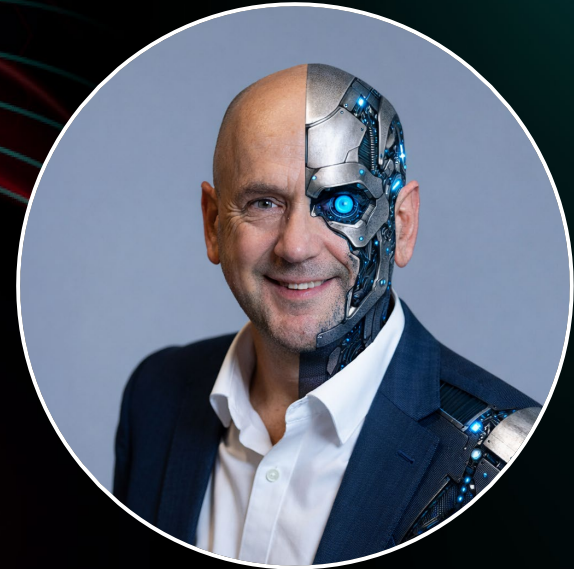
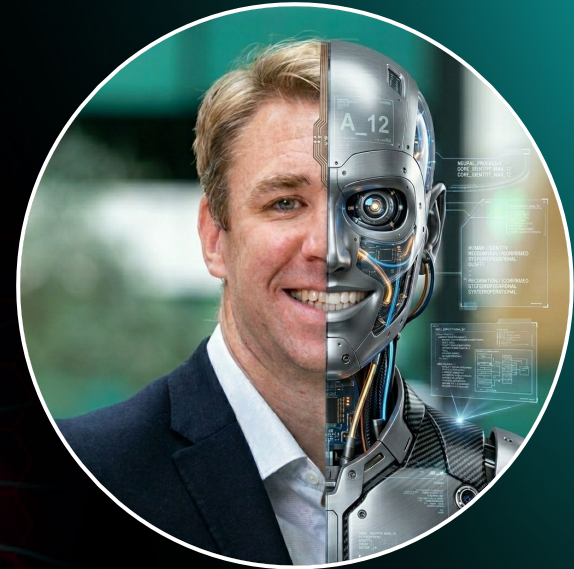
15:15 Guest speaker: Resilience & decision making under pressure with Dalton Grant

16:00 Wrap up& drinks reception

Resilience Redefined: Securing the Human-AI Era

Richard Ford
CTO

Brian Martin
Director of Product Management



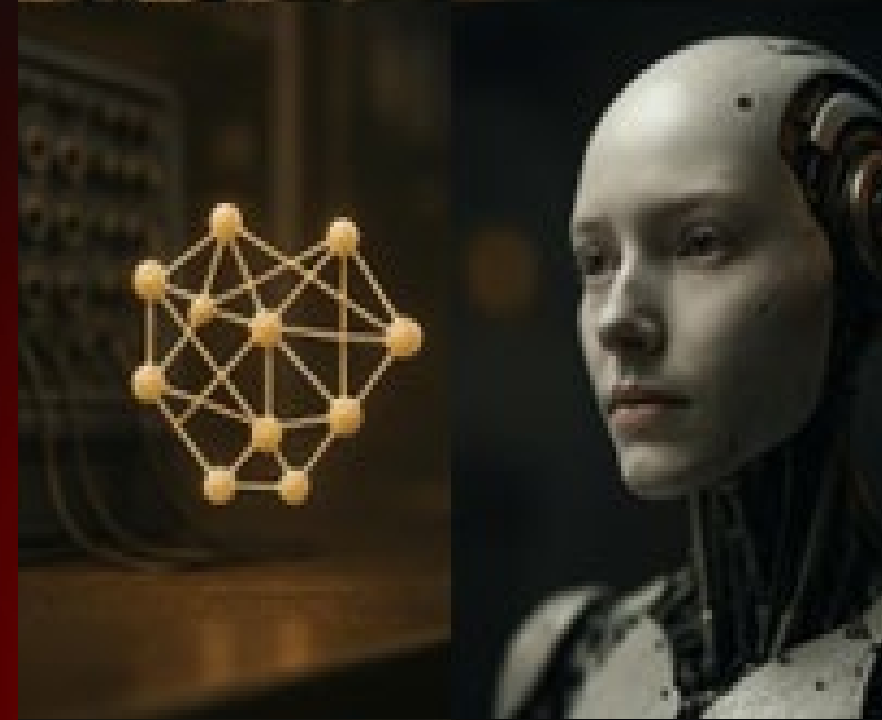
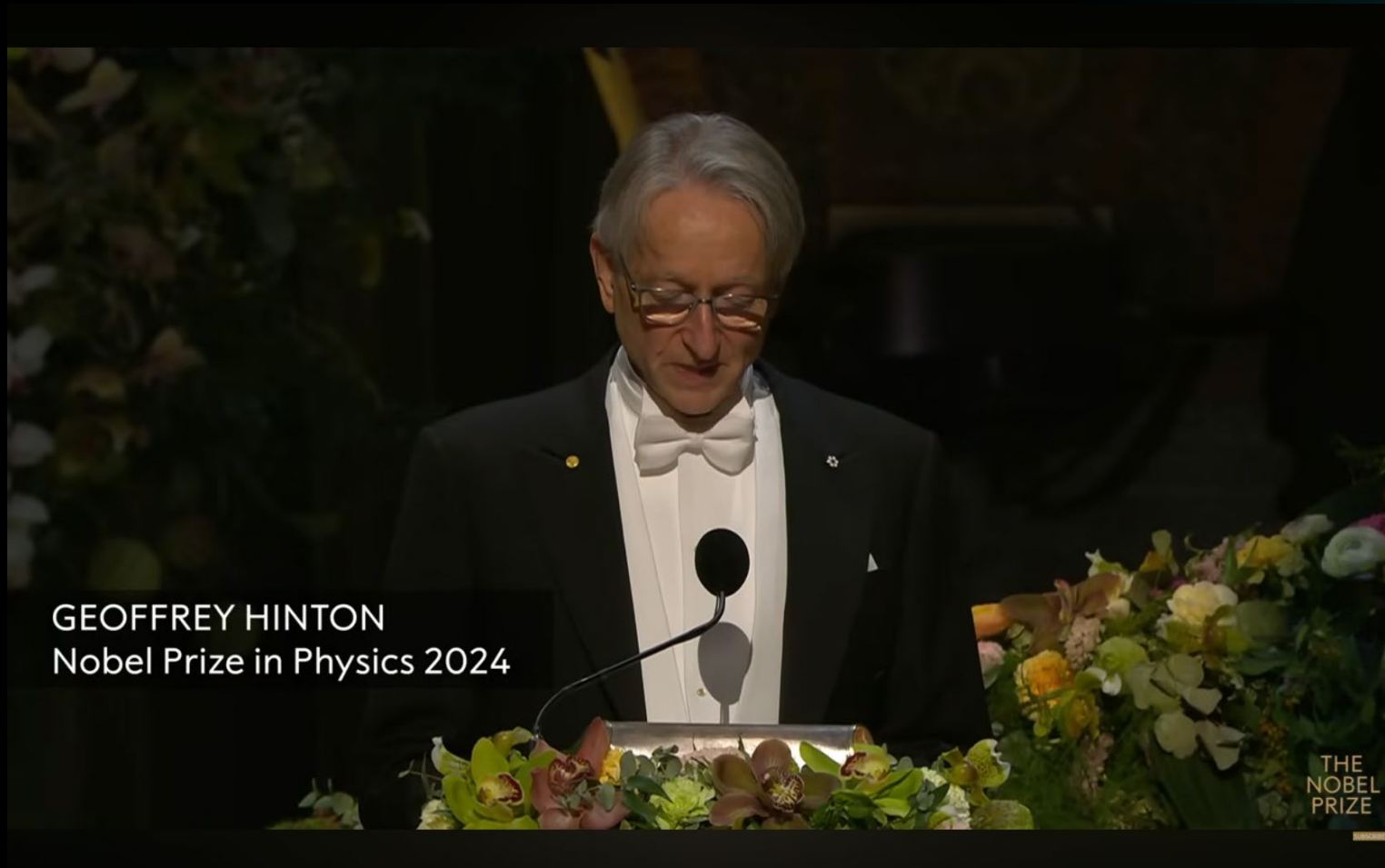
**Resilience & Human-AI
Era...**

...What's the relevance?

**We are at a pivotal
moment for security...**

**...not just security. For the
human race.**

Sound crazy?





AI-pocalypse Now?



SUCCESS!

UNSTOPPABLE!

AI RESEARCH

GENIUS CEO!

SAFETY

SECURITY

CONCERNS

168

SOICK
17.3.86

YOU'RE

9.000.000
1K. SRS

vision

Avail



AI
STATIST



88.0%
99.0%

56th y

16.788

5000 10000



Rapid AI Adoption



AI Tripping Hazards

“AI is amazing but far from perfect. Our over-belief in it’s capability is going to trip us up”



Accuracy



Control



Knowledge

SAAAPOCALYPSE

FEBRUARY 2026



Is it all about AI?

600,000

= 43% of UK businesses reported experiencing cyber security breach or attack.



2025

NCSC managed **204** significant or highly significant cyber incidents up to September.



Cyber Resilience - Defined

“The ability to

Anticipate

Withstand

Recover from

Adapt to



“.....cyberattacks to minimise business disruption from cyber incidents.”

5 Key Factors redefining resilience in the Human-AI era

Anticipate

Human-AI
Collaboration

Withstand

AI Risk
Visibility

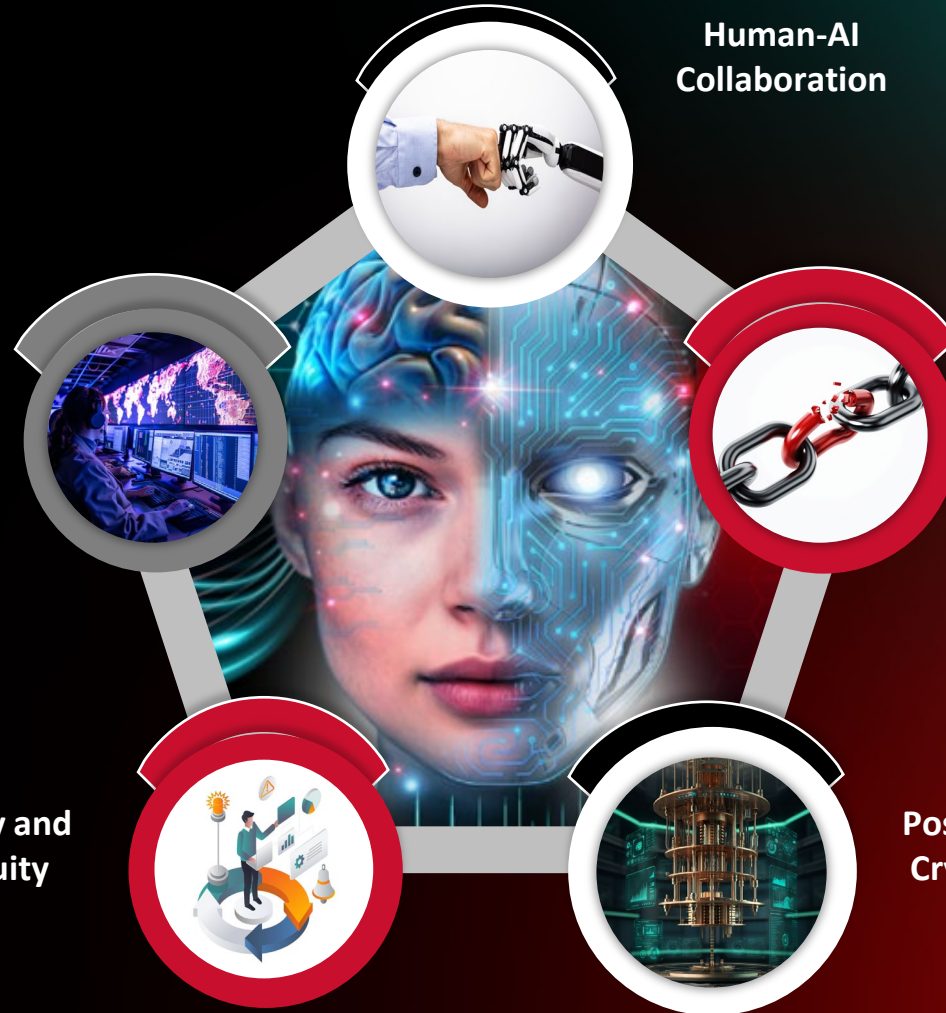
Third Party
Risk

Recover from

Recovery and
Continuity

Post-Quantum
Cryptography

Adapt to





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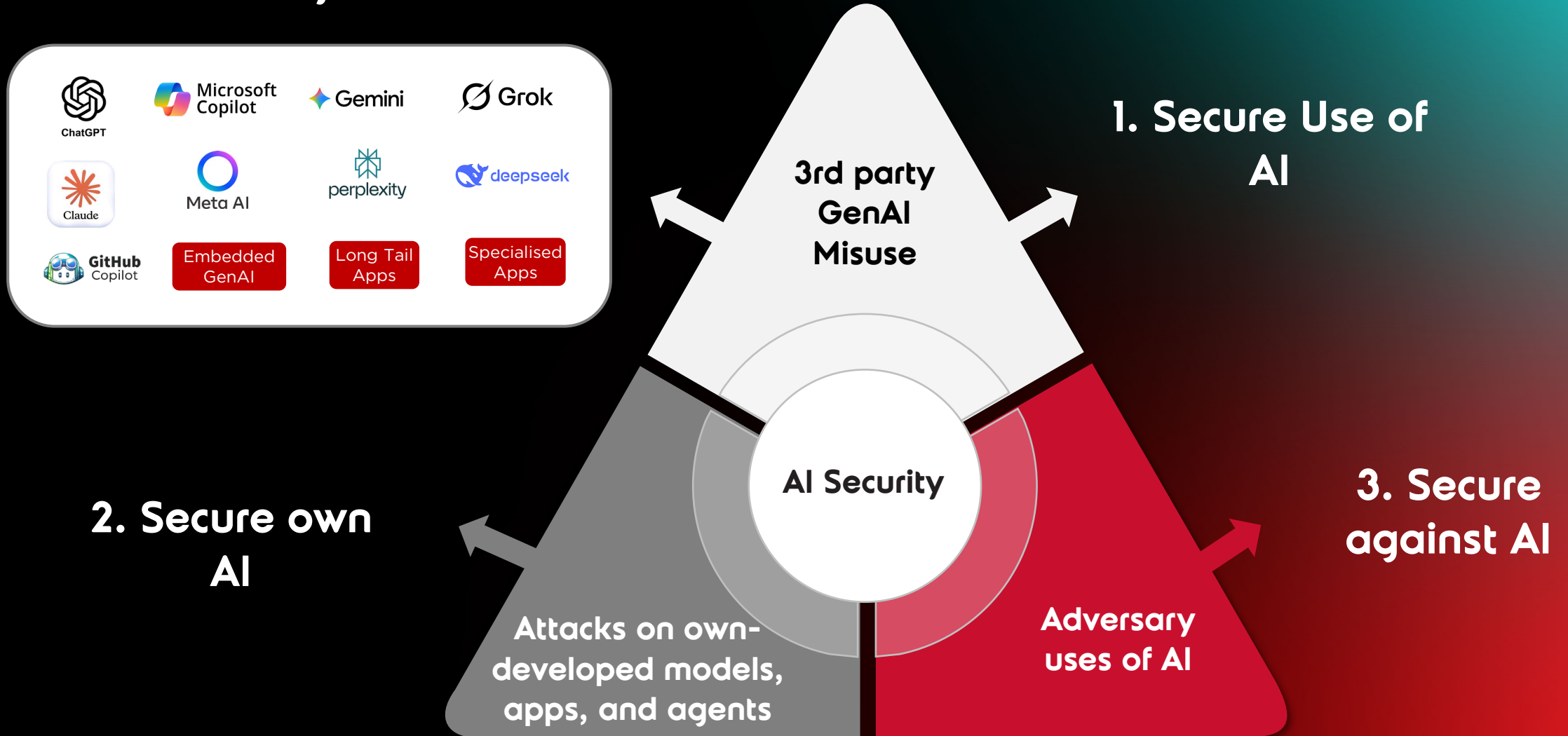
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1. AI Risk Visibility

AGENTIC AI-RMAGEDDON



AI Security - New Threats and Risks



ARTIFICIAL INTELLIGENCE

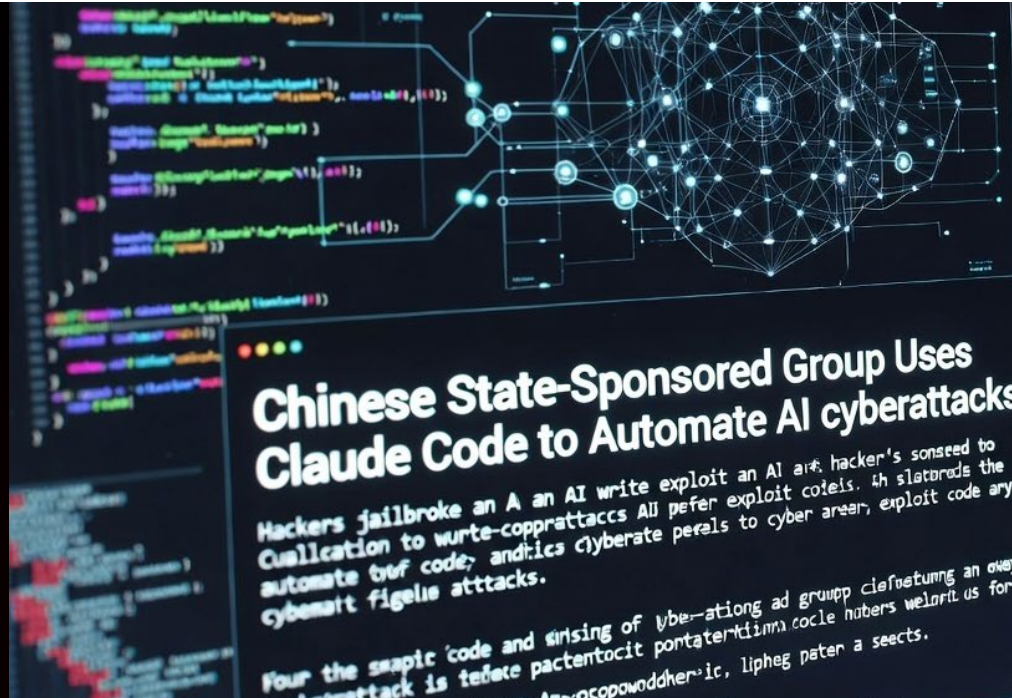
Cyberattacks by AI agents are coming

Agents could make it easier and cheaper for criminals to hack systems at scale. We need to be ready.

AI Agents Drive First Large-Scale Autonomous Cyberattack

By Georgia Collins

January 17, 2026 - 3 mins



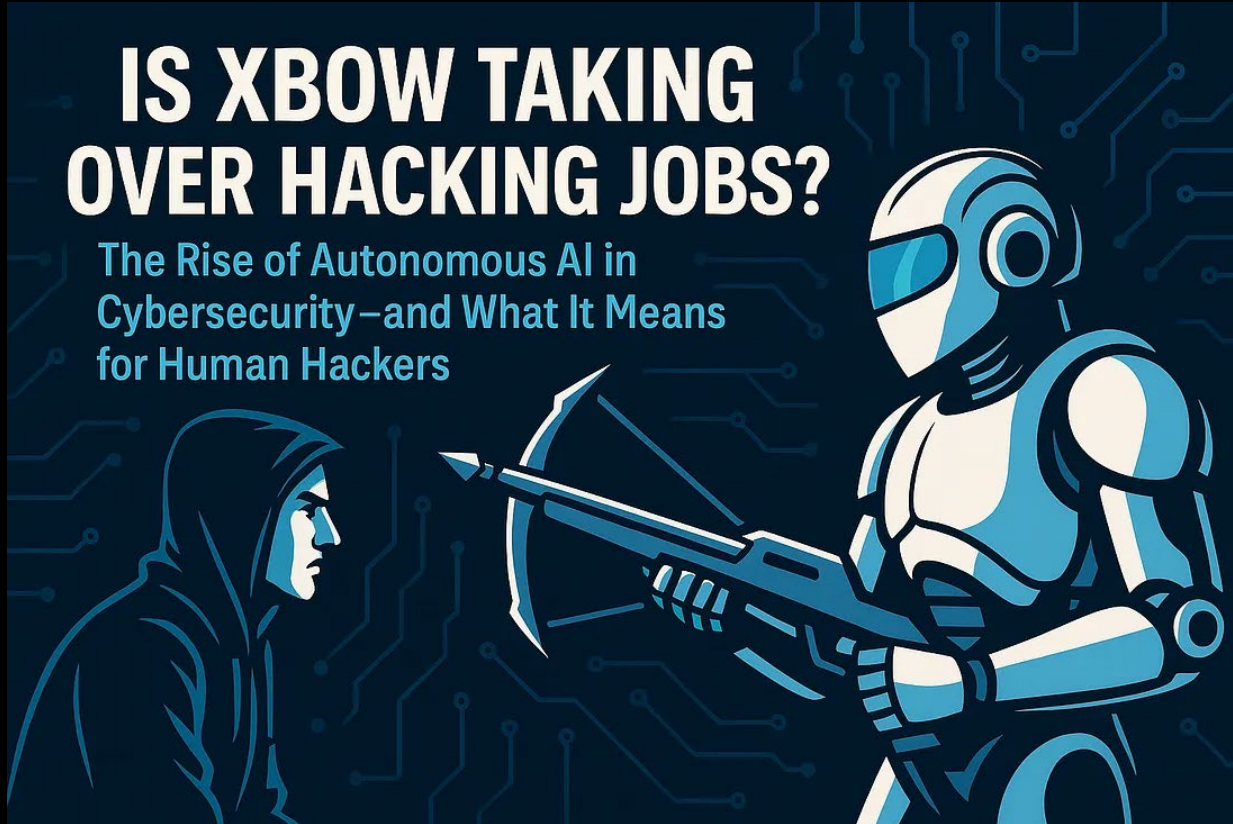
Chinese State-Sponsored Group Uses Claude Code to Automate AI cyberattacks

Hackers jailbroke an AI write exploit an AI hacker's sonseed to Quallication to wurt-coprattaccs All prefer exploit codeis. 4h slatords the automate twf code; andtics cyberate perals to cyber arear, exploit code ary cyberart figelle attacks.

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AI Scales Exposure Discovery



An autonomous AI-driven penetration testing platform



- As of February 2026, XBOW ranked as the #1 hacker on the HackerOne US leaderboard
- In a 90-day surge, XBOW submitted over 1,060 vulnerabilities, surpassing the output of thousands of human researchers
- In head-to-head trials, XBOW completed tasks in 28 minutes that took a seasoned human pen-tester 40 hours

AI Scales Exposure Discovery - AN UPDATE

Fail Safe: Why major AI player Anthropic won't release its new model

Updated / Sunday, 12

Mythos Preview has already found thousands of high-severity vulnerabilities, including some in *every major operating system and web browser*. Given the rate of AI progress, it will not be long before such capabilities proliferate, potentially beyond actors who are committed to deploying them safely. The fallout—for

US summons bank bosses over cyber risks from Anthropic's latest AI model

Fed chair Jerome Powell reportedly attends meeting in Washington following release of Claude Mythos



Anthropic's Mythos Will Force a Cybersecurity Reckoning—Just Not the One You Think

The new AI model is being heralded—and feared—as a hacker's superweapon. Experts say its arrival is a wake-up call for developers who have long made security an afterthought.

Anthropic keeps latest AI tool out of public's hands for fear of enabling widespread hacking

AI company says purpose of its Claude Mythos model is to bolster defenses against hacking in common applications



Project Glasswing

Securing critical software for the AI era



Human vs Agentic attackers

Traditional (Human-led)



Vs

Autonomous AI Agents



SPEED

Minutes/hours per step

Milliseconds per step

SCALE

One target at a time

100's of targets simultaneously

PERSISTENCE

Humans need sleep/breaks

24/7 continuous operations

ADAPTABILITY

Strategic, but slow to pivot

Tactical & instantaneous pivoting

AI Reduces barrier to entry - "vibe-coded" Copycat Cybercrime

```

CLINE (⌘+)
+ ☰ ↻ 🗑️ ⌂ ⚙️

Task $0.0000 ✕
I need to build test code that mimics this actor https://www.trendmicro.com/en_us/research/25/c/the-espionage-toolkit-of-earth-alux.html can you help me?
Tokens: ↑ 1.1m ↓ 26.7k 🔍 724.1k
58.2k 128.0k

=====
[2025-08-08 11:43:36,358] [INFO] [run_full_simulation] Simulating initial access via web shell exploitation
  → Scanning for vulnerable web services...
  → Found vulnerable service on port 8080
  → Exploiting vulnerability...
  → Deploying GODZILLA web shell...
  → Web shell successfully deployed

✓ Initial access established

[Phase 2] First Stage Backdoor Deployment
=====
[2025-08-08 11:43:36,978] [INFO] [run_full_simulation] Deploying first stage VARGEIT backdoor
  → Uploading fontdrvhost.exe (renamed cdb.exe)...
  → Creating config.ini with loader shellcode...
  → Executing debugger script...
  → VARGEIT backdoor loaded in memory
  → Establishing C2 communication...
[2025-08-08 11:43:37,500] [INFO] [vargeit_simulator] Enabled channel: Outlook (ID: 5)
[2025-08-08 11:43:37,500] [INFO] [vargeit_simulator] VARGEIT simulator initialized with ID: 0cb07589-a67c-4aca-8874
[2025-08-08 11:43:37,500] [INFO] [vargeit_simulator] Simulating Outlook channel communication
[2025-08-08 11:43:37,512] [INFO] [vargeit_simulator] Created draft message: p_17595803760857882363
[2025-08-08 11:43:37,513] [INFO] [vargeit_simulator] Simulated command received: r_17595803760857882363
[2025-08-08 11:43:37,513] [INFO] [vargeit_simulator] Processing command: collect_system_info
  → Outlook channel active (Message ID: 17595803760857882363)

✓ First stage backdoor active

[Phase 3] Persistence Installation
=====
[2025-08-08 11:43:37,618] [INFO] [run_full_simulation] Installing persistence mechanisms

[3.1] Deploying RAILLOAD
[2025-08-08 11:43:37,625] [INFO] [railload_simulator] RAILLOAD simulator initialized
    
```

AI & open-source tools aid criminals in turning security blogs into partial malware, complicating attack attribution & fueling copycats



AI Expands the Attack Surface

MCP: The USB-C for AI



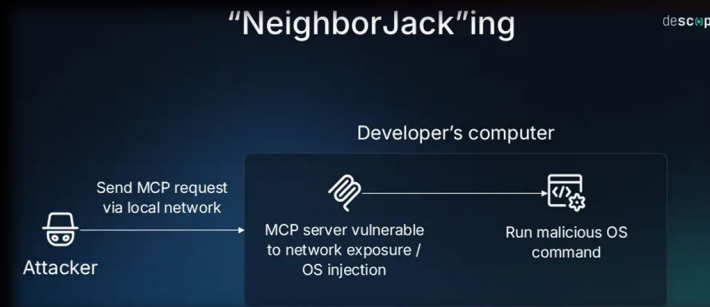
MCP Real-world exploits

The GitHub "Prompt Injection Data Heist" (May 2025)



Prompt injection instructed developer's agent using GitHub MCP server to read and exfiltrate private source code

The "NeighborJack" Network Exploit (July 2025)



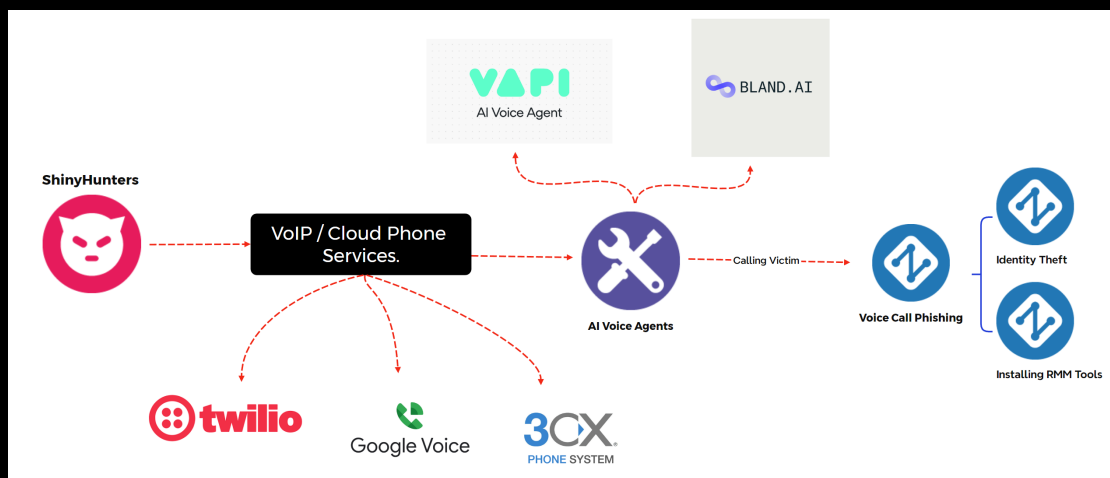
Could send a command to >7,000 publicly accessible MCP servers to execute directly on the host's OS, leading to total machine takeover

The Smithery.ai Supply Chain Breach (October 2025)



Configuration error allowed attackers to "escape" sandbox exposing >3,000 AI servers leaking 1,000's of API keys.

AI Powers Automated Mass Vishing



- Uses VoIP based calling services for vishing operations
- Abuses legitimate AI-powered voice call platforms
- Automating social engineering calls at scale
- AI-driven social engineering agents adjust narratives and tactics in real time
- Attackers configure voice styles including gender and regional accents
- Primarily targets Okta, Google SSO and Microsoft SSO environments

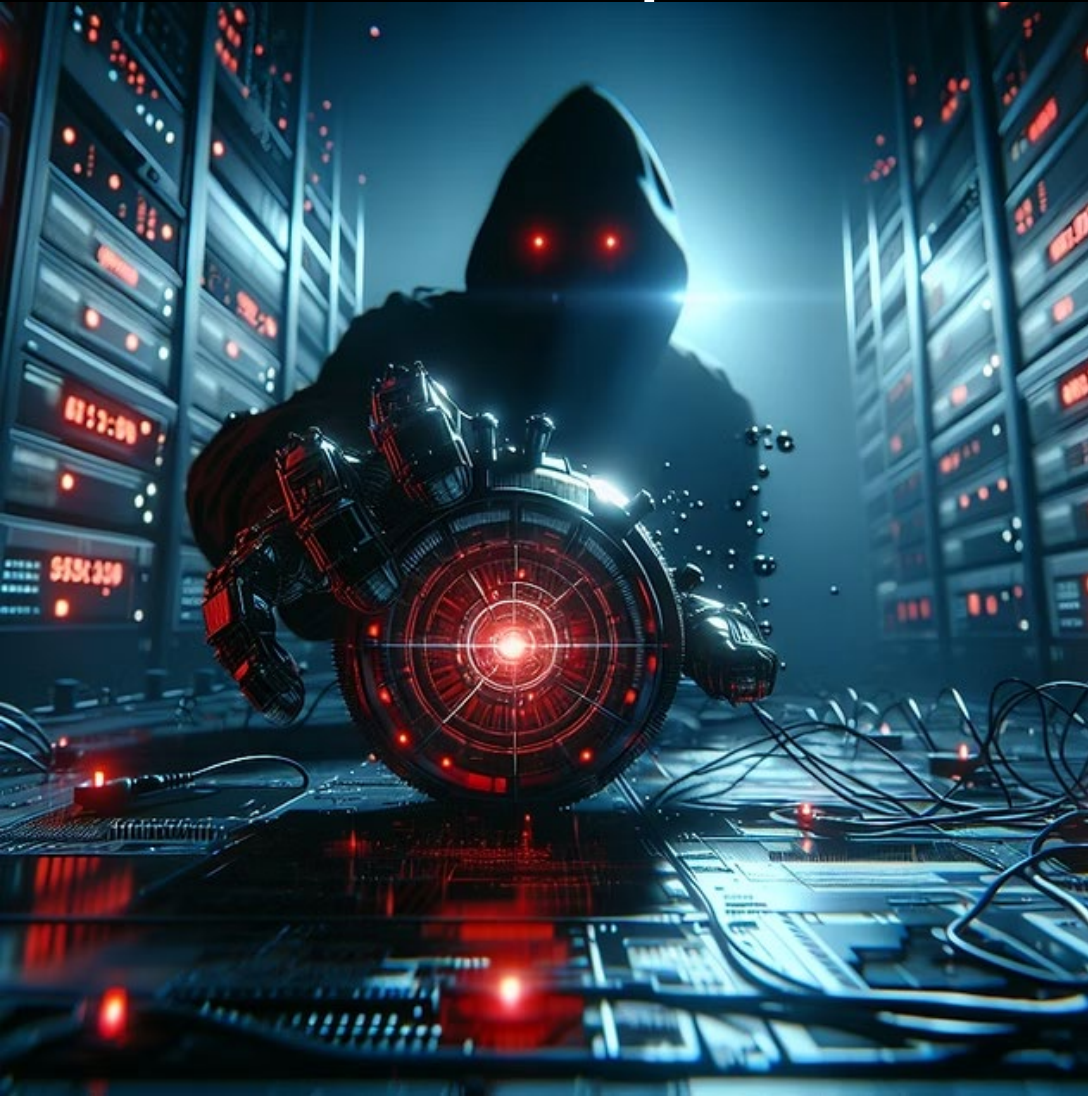
Example Claimed Victims


SOUNDCLOUD
30m+ records

 Betterment
2m+ records

 crunchbase
20m+ records

AI Enables Exploit of Poor Cyber Hygiene at Scale



AWS says more than 600 FortiGate firewalls hit in AI-augmented campaign

Off-the-shelf tools helped Russian-speaking cybercrime group run riot

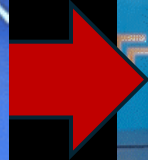
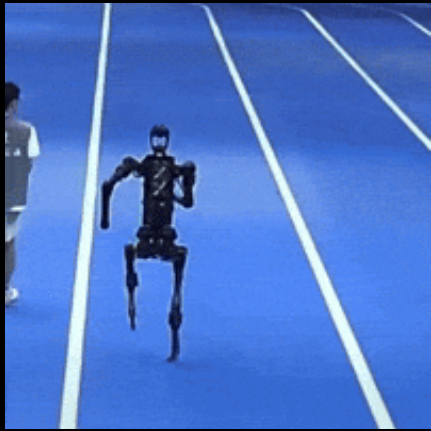
 Carly Page

Mon 23 Feb 2026 // 11:41 UTC

- Cybercriminals armed with off-the-shelf generative AI tools
- Compromised more than 600 internet-exposed FortiGate firewalls across 55 countries in just over a month



What's next, where to?



**Not that
long ago**

Now

Soon?



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2. Human-AI Collaboration

Human in the loop

AI Analyst

Alert Handling

Triage, Prioritisation, Noise Reduction

Analyst Assistant

Natural Language Investigation Support, Guided Investigation Paths

Response

Execute low-risk, time-bound and reversible actions. Recommends other actions

Proactive Security

Help defenders move left of boom

Human Analyst

Alert Handling

Validating prioritisation, applying business context, escalation & response strategy

Analyst Assistant

Reduced Cognitive Load, Extended Skillset

Response

Reviews and approves actions

Proactive Security

Decide what risk is, balance security with operational friction

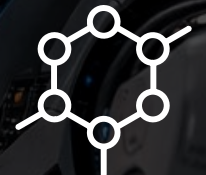
What is AI not good at?(yet)?



Novel attacks with no precedence



Low & slow insider threats



Highly contextual decisions

“AI can detect anomalies — it cannot decide what level of risk the business is willing to accept.”



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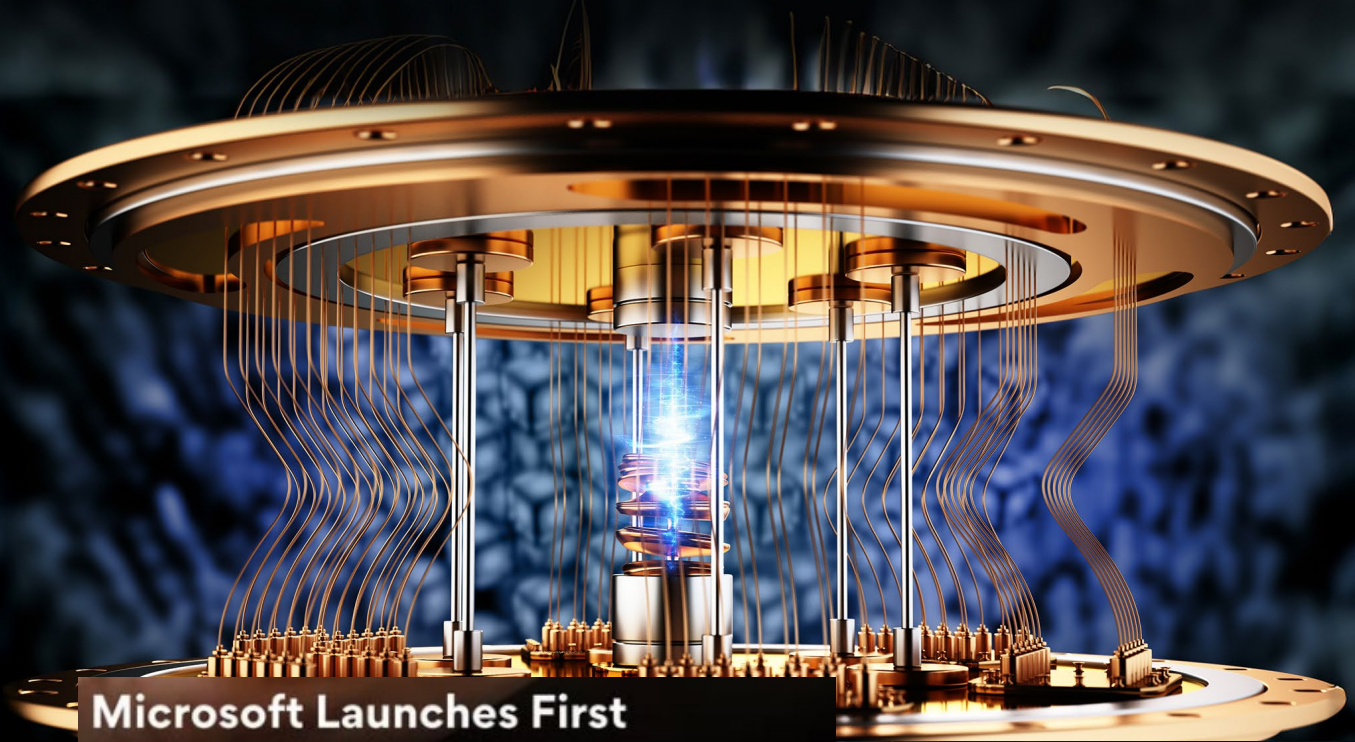
3. Post-quantum cryptography

Q-DAY

THE DAY ENCRYPTION FAILS



GOOGLE UNVEILS QUANTUM CHIP THAT SOLVES 10-BILLION-YEAR PROBLEMS IN MINUTES

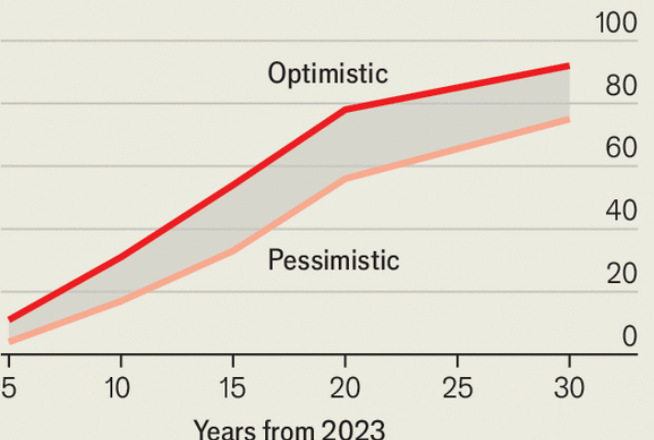


Microsoft Launches First Quantum Chip 'Majorana 1' After 20 Years Of Research, Is Powerful Than Every Other Computer!



A matter of time

Estimates of the likelihood of a digital quantum computer able to factorise RSA-2048 in 24 hours within timeframe*, %



Source: Global Risk Institute *Survey of 37 experts, 2023



Will quantum computers disrupt critical infrastructure?



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AI IS THE ULTIMATE...

4. Third Party Risk

**Employees
Misusing
Public AI tools**

**3rd party
providers using
AI**

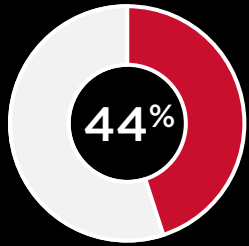
**AI Supply
chain risks**

**3rd party
Applications
developed
insecurely with AI**

**3rd party
apps infused
with AI**

**Internal AI Agents
connecting to
external services**

Bringing Third-Party Cyber Risk Management to Cyber Resilience



Of organisations don't consider third parties when conducting business continuity exercises

Planning



- ✓ Disaster Scenarios
- ✓ Roles and Responsibilities
- ✓ Key contacts and comms channels
- ✓ Architect to meet recovery objectives

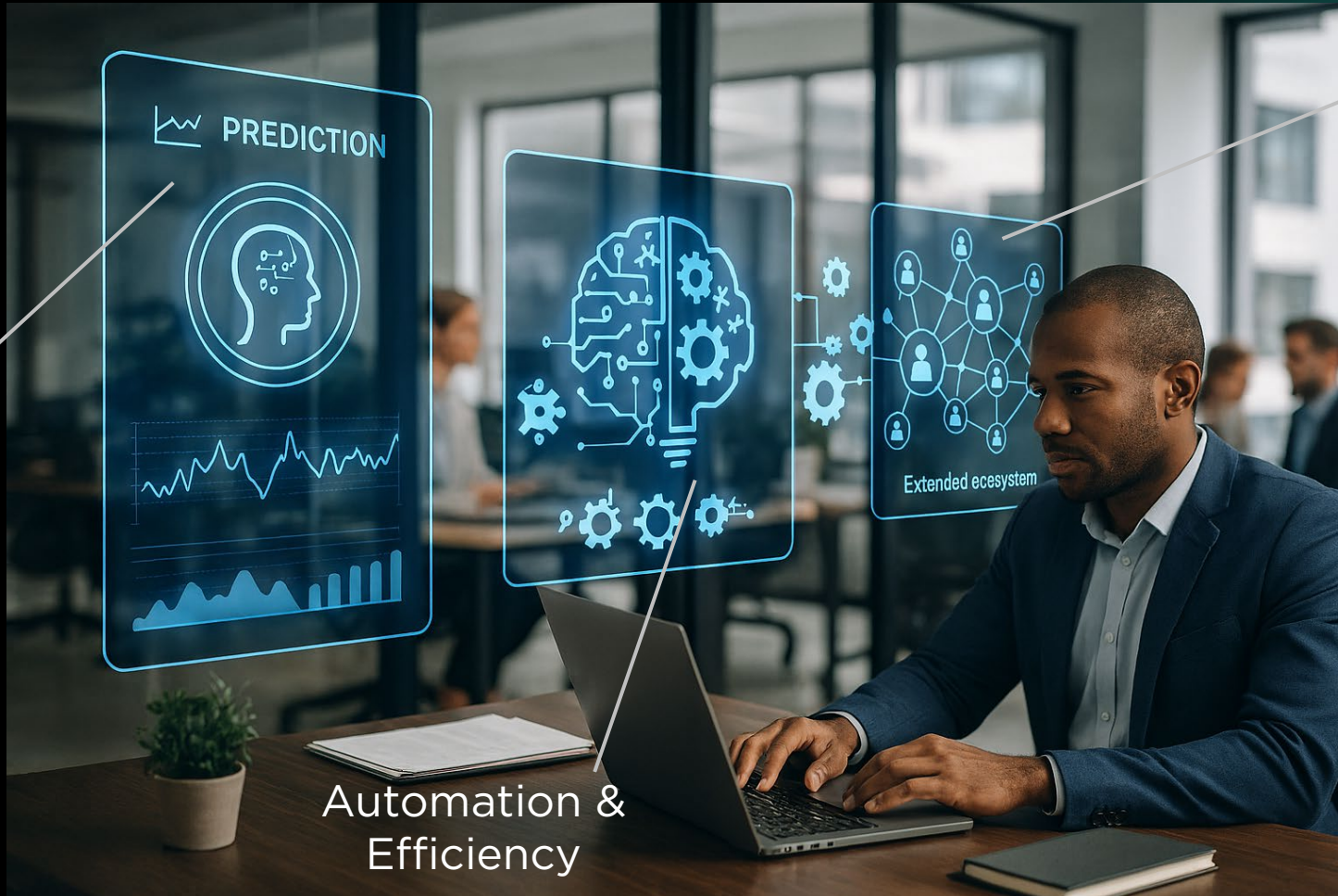
Testing



- ✓ Prioritise critical tiers
- ✓ Cadence - annual/biannual
- ✓ Scope based on risk priorities
- ✓ Roles and Responsibilities
- ✓ Findings and Recommendations

Use how AI is Transforming 3rd Party Risk Management

Predictive
Risk
Monitoring



Extended
Ecosystem
Visibility


Automation &
Efficiency



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5. Recovery and Continuity



Cyber threats

Cyber attacks

Cyber breaches

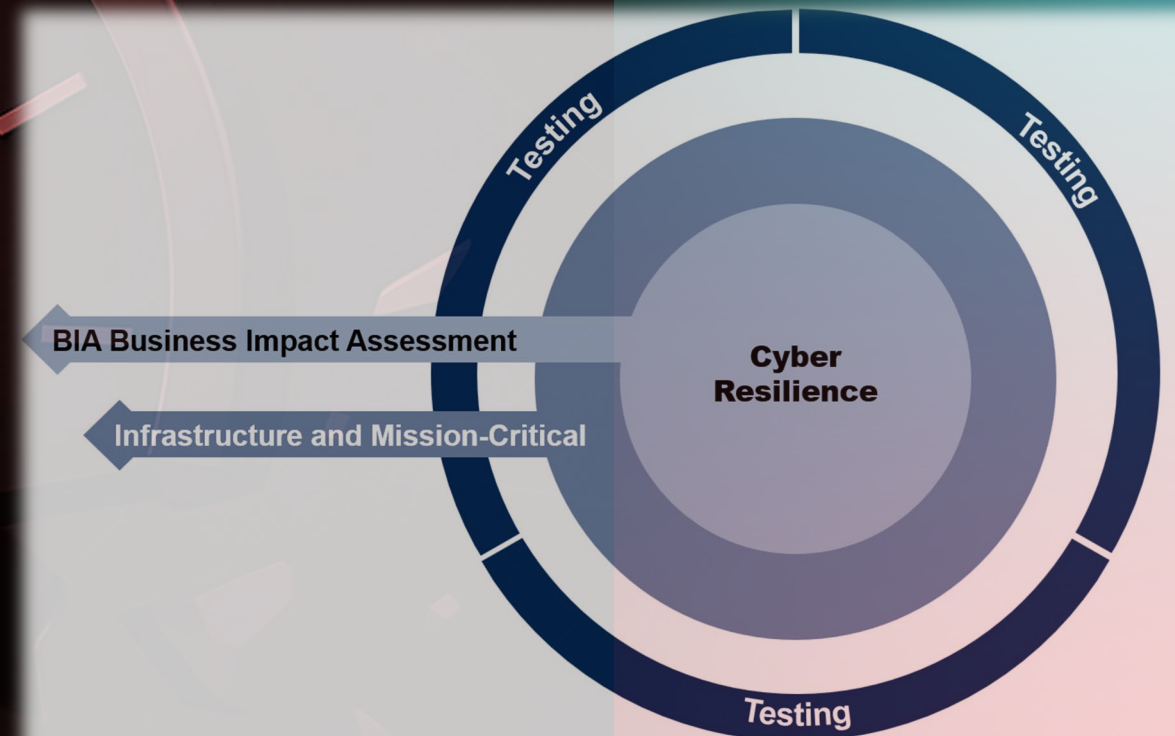
Cybersecurity:
**“We must prevent
breaches from
happening”**

Embed Business Impact Assessment as the Foundation of Cyber Resilience

“...to focus protection on critical business processes and assets, rather than pursuing blanket coverage.”

Key Metrics

Recovery Time Objective (RTO)	Recovery Point Objective (RPO)
Maximum Tolerable Downtime (MTD)	Mean Time to Recover (MTTR)



Microsoft Azure Outage Disrupts Global Services Across Cloud and Productivity Platforms

Microsoft admits it 'cannot guarantee' data sovereignty

Europe's digital reliance on US Big Tech: Does the EU have a plan?

France pulls millions of medical records out of the Microsoft cloud over privacy concerns

Concerns over US legislation that gives American companies access to data stored in Europe were the trigger for this change

P POLITICO.eu

Trump can pull the plug on the internet, and Europe can't do anything about it

Donald Trump's return to the White House is forcing Europe to reckon with a major digital vulnerability: The US holds a kill switch over its internet.



What the CLOUD Act Really Means for EU Data Sovereignty

The CLOUD Act allows U.S. authorities to access data stored in the EU, putting it in direct conflict with GDPR. Learn how this impacts data sovereignty and what EU businesses can do to stay compliant



AWS' 15-Hour Outage: 5 Big AI, DNS, EC2 And Data Center Keys To Know



Top Considerations how AI impacts recovery and continuity



ANTIFRAGILE
THINGS THAT GAIN FROM DISORDER

Cyber Resilience:

Surviving and
becoming stronger

Cyber threats

Cyber attacks

Cyber breaches

Anticipate

Withstand

Recover
from

Adapt to



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Conclusion

**Resilience Redefined in the
Human-AI Era is...(cue drumroll)**

5 Key Factors redefining resilience in the Human-AI era

Anticipate

Human-AI Collaboration

Withstand

Threat Visibility

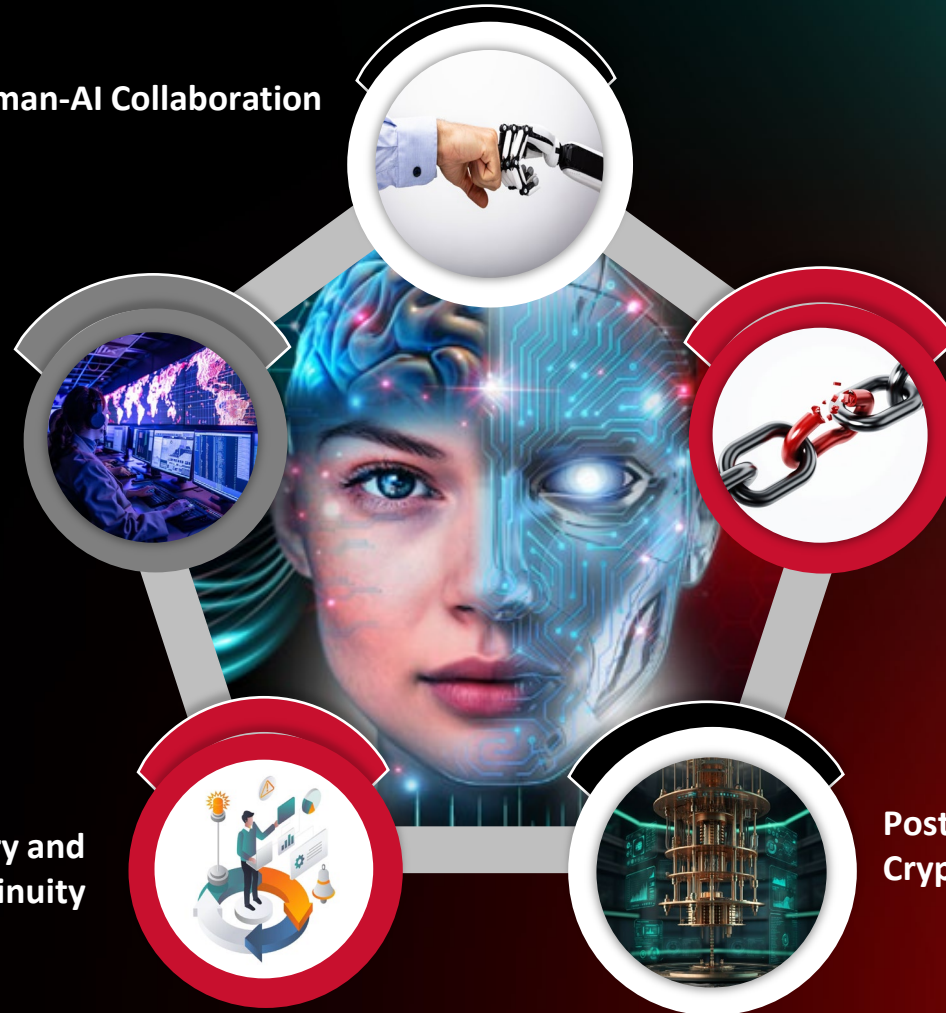
Third Party Risk

Recover from

Recovery and
Continuity

Post-Quantum
Cryptography

Adapt to



Redefined - Cyber Resilience in the AI-Human era...

“The continuously improving ability to....

Anticipate

Withstand

Recover from

Adapt to

..... AI-enhanced cyberattacks through human-machine collaboration, to ensure business continuity and get stronger”

Redefined - Cyber Resilience in the AI-Human era...

“The continuously improving ability to....

Anticipate

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Adapt to

..... AI-enhanced cyberattacks through human-machine collaboration, to ensure business continuity, and get ever-stronger”

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Thank you



Richard Ford
Richard.ford@integrity360.com



Brian Martin
Brian.martin@integrity360.com



Client Panel: Building a security culture that can thrive with AI



Shabeer Ramsingh

Global Head - Strategic
Business Development,
Integrity360



Kiran Deosingh

Vice President of
Technology,
RAMPS Logistics



Shivanand Persad

Senior Manager - Enterprise
Information Security,
First Citizens

How to Succeed When Every Day is Zero-DAI

Joe Viviano

Senior Account Executive,
Darktrace



DARKTRACE

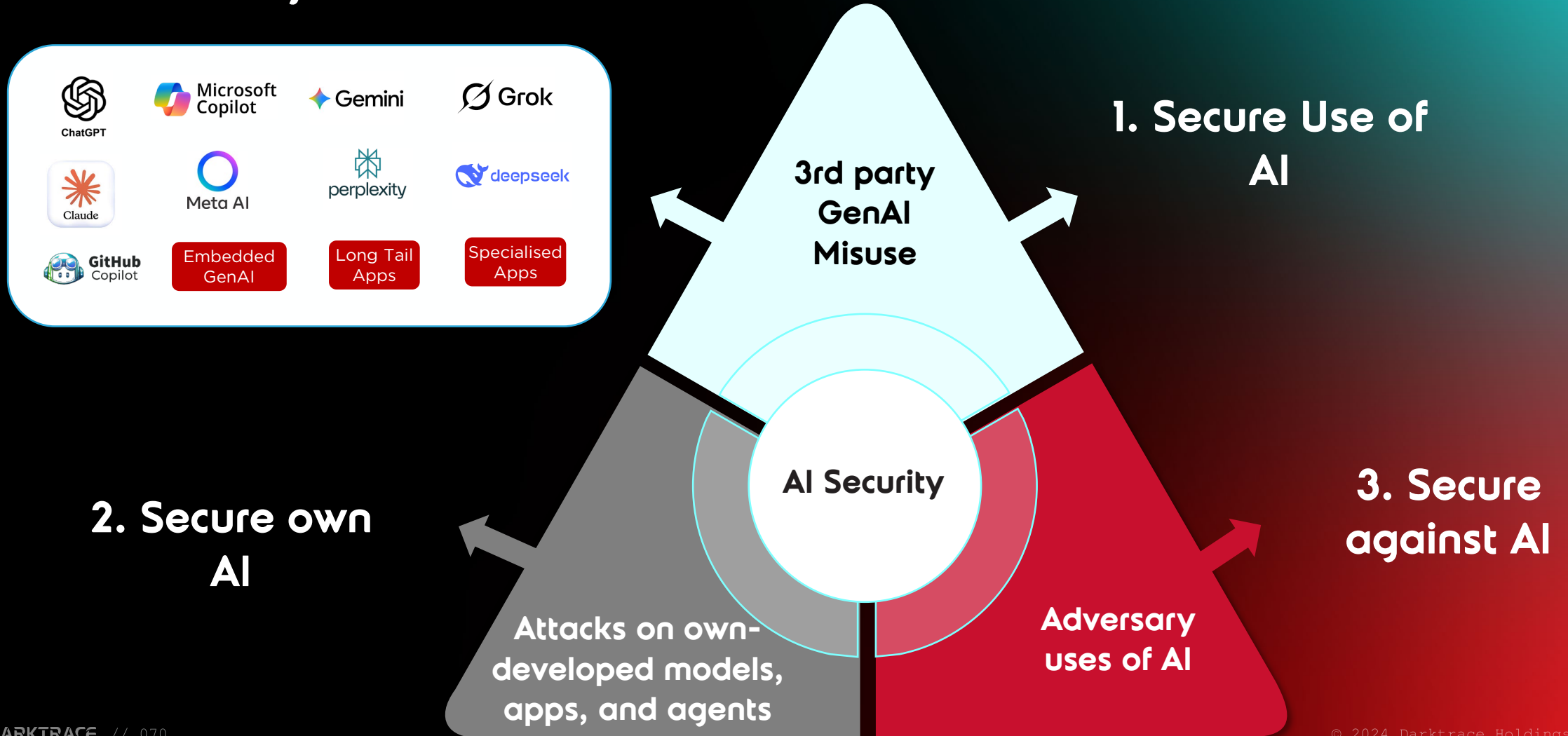
How to Succeed When Every Day is Zero-DAI

As AI created Zero-Day Attacks become the norm, only AI powered defenses can protect us.

Jack B. Miller, Vice President & Field CISO

<https://www.linkedin.com/in/jack-m-03a72637/>

AI Security - New Threats and Risks



Attackers Choice - Zero-DAI Every Day

1. Not Protected

- The average time between discovery and patch is 22 days
- The average time to weaponization is 5 days
- 25% of Zero-Days are weaponized within 24 hours
- The average lifespan of a Zero-Day vulnerability before public disclosure is 7 years

2. Difficult To Detect

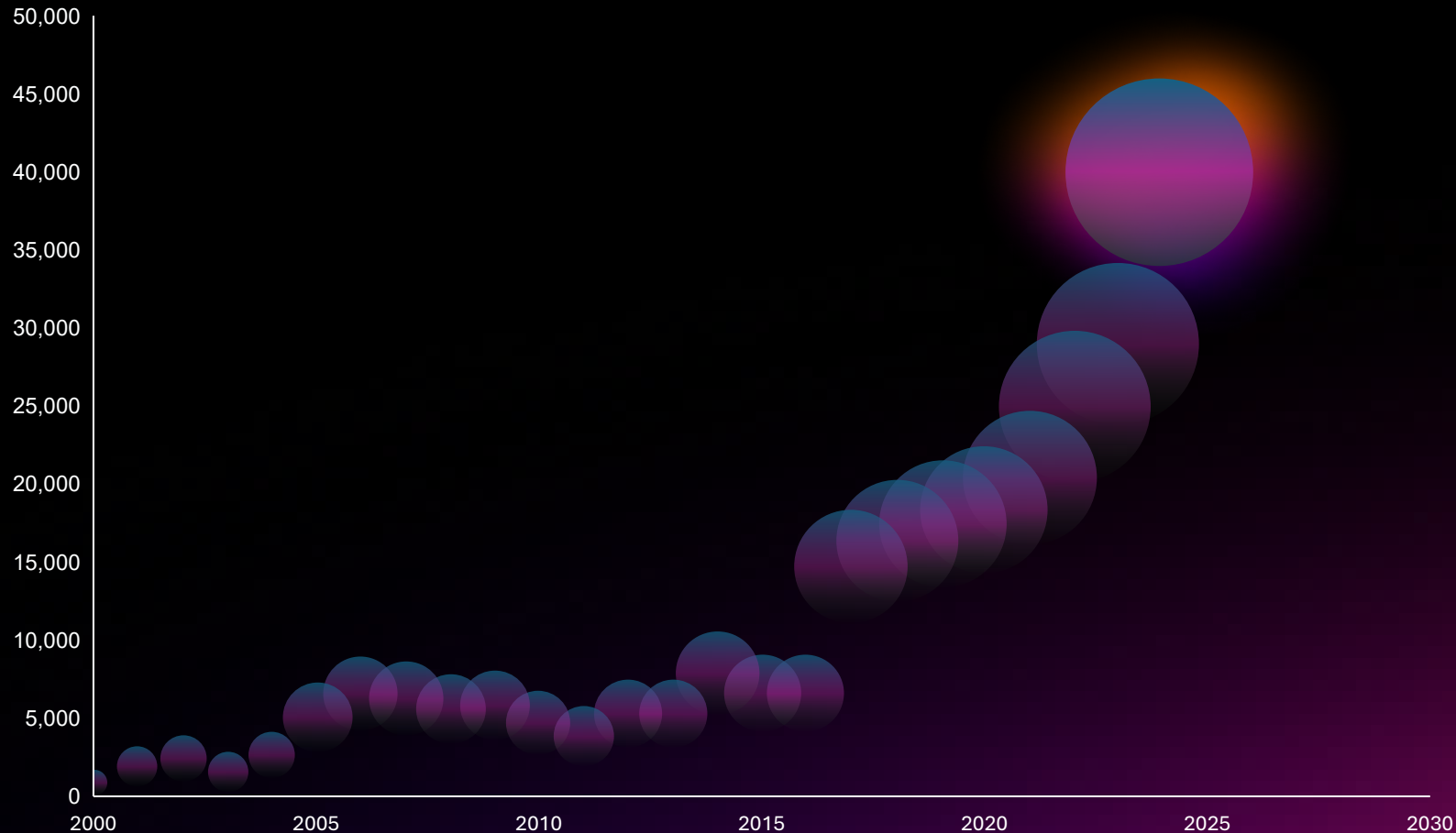
- The detection rate for leading security tools is less than 30%
- IOA, Threat Intel, Hash/Signature & IOC based tools can't adequately detect & respond

3. Enormous Attack Surface

- 75% of exploited Zero-Days target Microsoft, Apple or Google

CVE Explosion

Over 40,000 CVEs Published in 2024



15.2%

- **Of all CVEs were identified in 2024 alone**
- **AI Bug Hunter sets milestone by claiming top spot on HackerOne's leaderboard**

So Why Haven't We All Been Compromised?

- Zero-Day Attacks Are Rare

- Nation-state actors are responsible for over 80% of zero-day exploit usage
- Zero-day prices on the dark web range from \$60,000 to \$2.5 million

- But Times Are Changing

- Attackers are using AI to quickly identify vulnerabilities and create exploit code
- *Prediction* - Majority of attacks will be Zero-Day attacks
- *Prediction* - Zero-Day attacks will be automated & continuous

- Defend With AI Detection & Response (AIDR)

1. Detect the unknown
2. Investigate at wire speed
3. Minimize the impact

Detecting the Unknown Requires The Right Type of AI

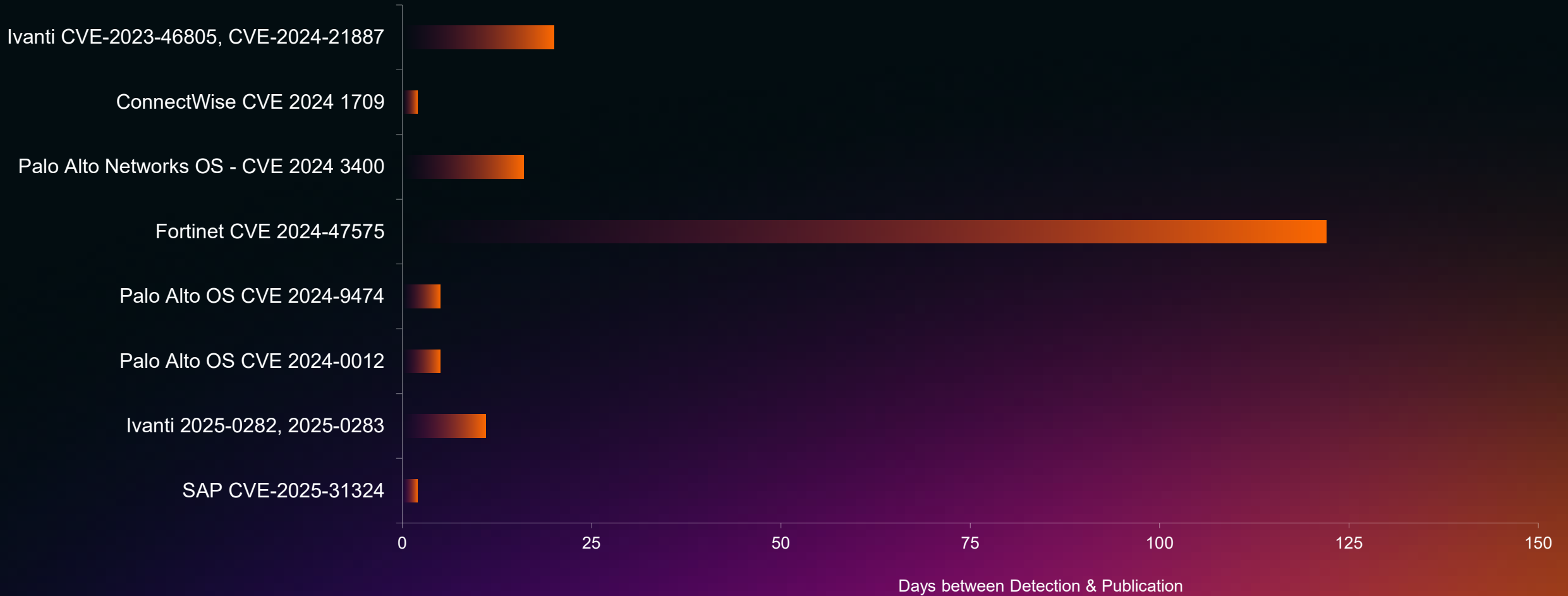
	Generative AI & LLMs	Attacker-Centric Supervised machine learning	Business-Centric Unsupervised machine learning
Data	<ul style="list-style-type: none"> Internet Data Lakes and indexed repositories 	<ul style="list-style-type: none"> Known attack patterns Threat intelligence & research 	<ul style="list-style-type: none"> Unstructured business centric data Organization-specific behaviors and patterns
Models	<ul style="list-style-type: none"> Pre-trained and feedback from users 	<ul style="list-style-type: none"> Pre-trained/static data, retrained 	<ul style="list-style-type: none"> Continuously learning
Common Use Case	<ul style="list-style-type: none"> Context of language, media, audio Content summarization Content generation 	<ul style="list-style-type: none"> Known attacks and variants Content summarization Simulation 	<ul style="list-style-type: none"> Known, unknown, novel attacks Abuses, misuses, misconfigurations Simulates attacks and analyzes relationships
Implication	<ul style="list-style-type: none"> Cannot detect attacks Confirmation bias & hallucination challenges 	<ul style="list-style-type: none"> Cannot detect novel/insider attacks Exhaustive data integrity process 	<ul style="list-style-type: none"> Requires compounding of ML models for accurate results

While Every Anomaly Isn't An Attack, Every Attack Creates Anomalies

Caution – Use Learning Exceptions Instead of Whitelists

Examples of Business-Centric AI Detecting Zero-Days

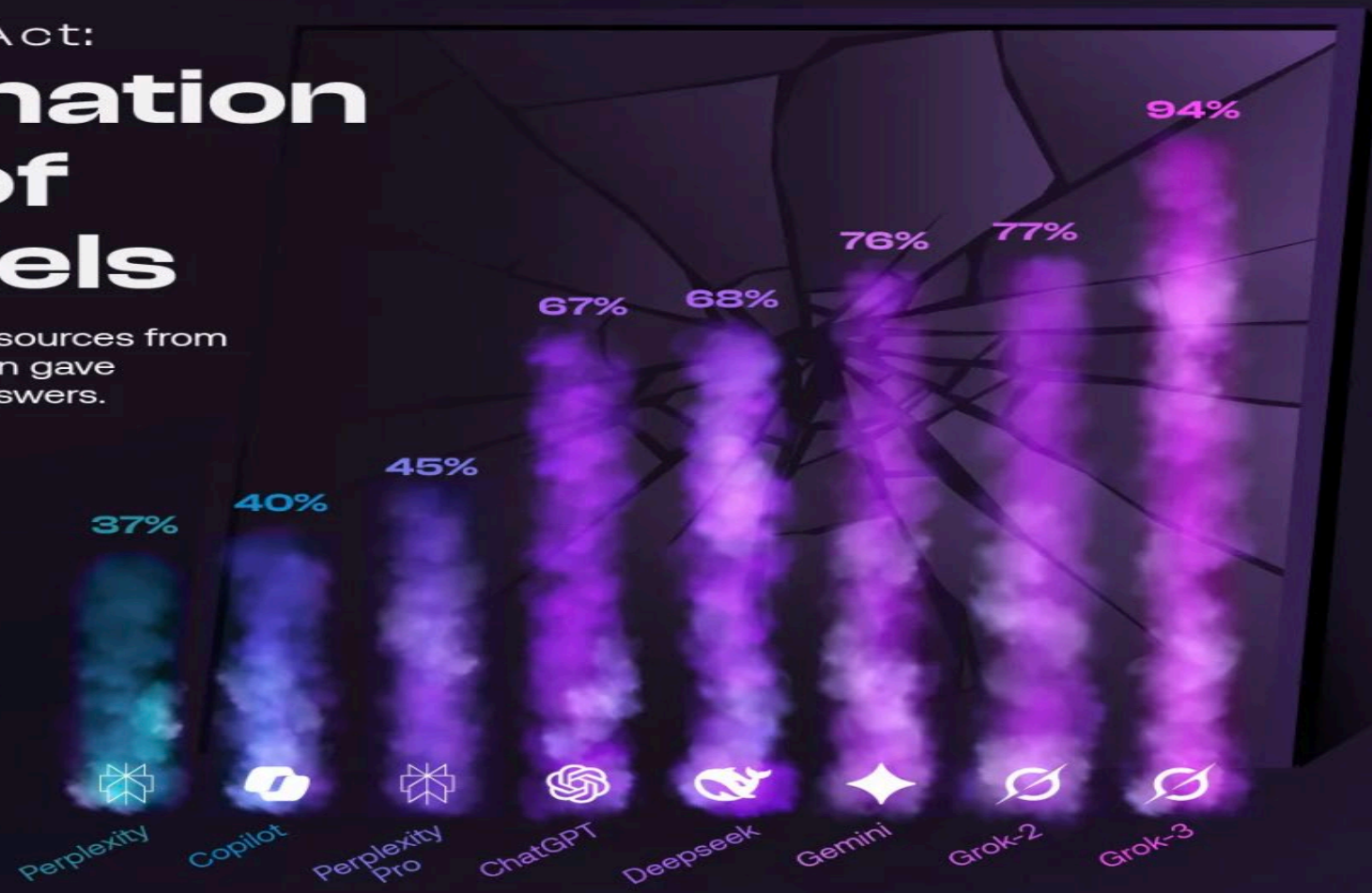
Before CVE Disclosure



Caution - Don't Rely on AI Search

Cracks in the Act: Hallucination Rates of AI Models

When asked to cite news sources from an excerpt, AI models often gave confident but incorrect answers.



Hallucination rate based on answers that were either completely or partially incorrect. Responses where no answer was provided were not considered a hallucination. Source: Columbia Journalism Review, March 2025.

Source: Columbia Journalism Review, March 2025. Hallucination rate based on answers that were either completely or partially incorrect. Responses where no answer was provided were not considered a hallucination.

Investigate At Wire Speed with AI SOC Analysts

- 181 days is the average time to identify a breach in 2025
- 24x7 cross-vector event investigations
- Process enormous amounts a data in real-time
- Eliminate False Positive vs False Negative conundrum
- Continuously digest new data and correlate with old data
- Learn new data and relationships on the fly
- Supervised Machine Learning, Unsupervised Machine Learning & Generative AI

Minimize Impact With AI Powered Response

- 60 days is the average time to contain a breach in 2025
- Real-time 24x7 cross-vector autonomous response
- Surgical
- Configurable thresholds for manual & automated activities
- Trustworthy - Total visibility and explainability for all activities
- Easy rollback
- Automated forensic acquisition and analysis

DARKTRACE

2024

Microsoft Partner
of the Year (UK)

98000+

Active Customers
in 110+ countries

#200+

Patents and
Applications Filed

HQ

Cambridge, UK
34 offices worldwide

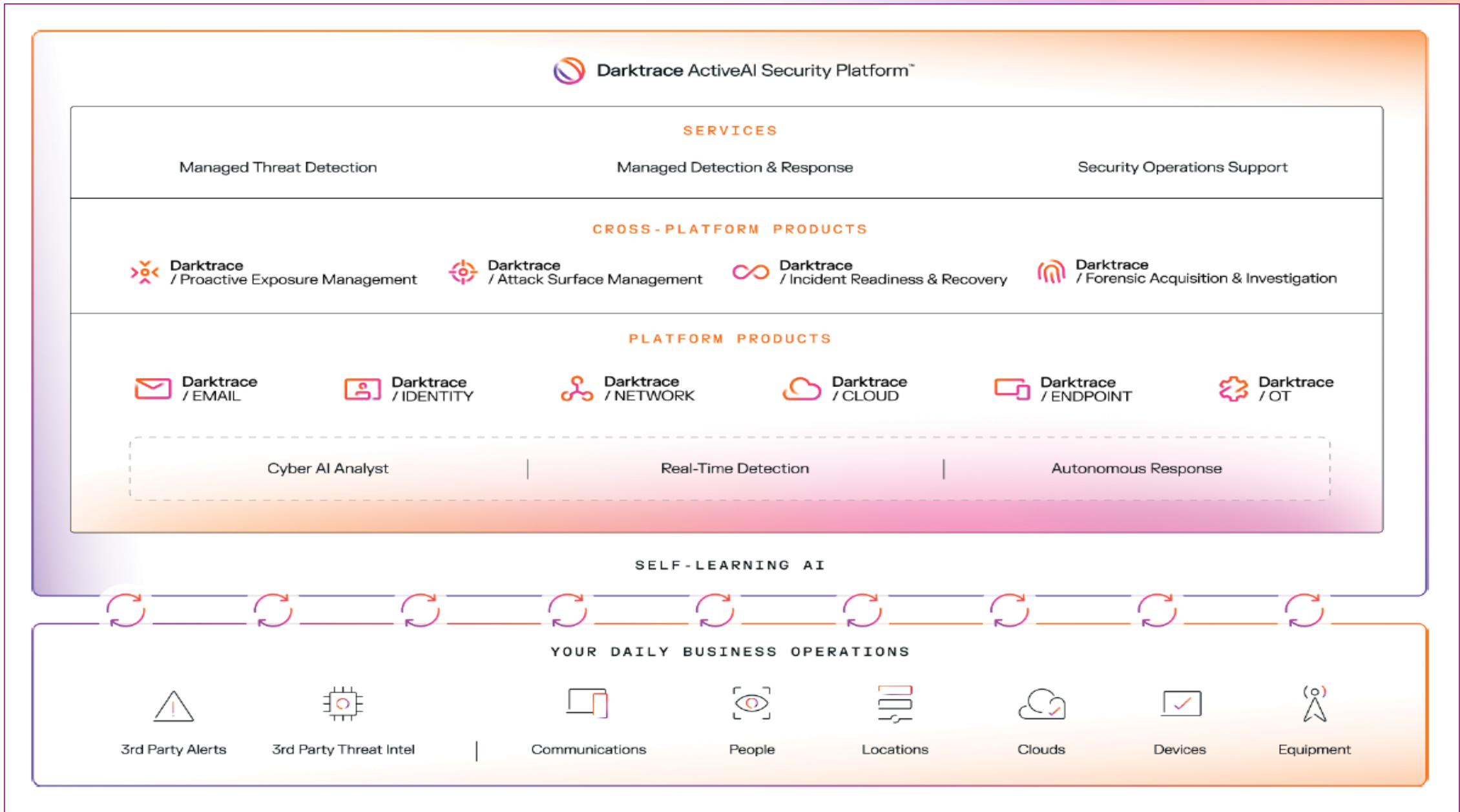
23000+

Employees
Worldwide

843.8


Million ARR USD
(31 March 2025)





Microsoft Partnership

- **UK Microsoft Partner of the Year 2024**
- Multiple awards
 - 'Security Trailblazer' Finalist – Microsoft Intelligent Security Association
 - Microsoft UK partner of the year 2024
- Continuous collaboration between Darktrace & MSFT developers
- Executive sponsorship from Nicole Dezen, CVP Microsoft Partner Ecosystem
- Darktrace available on Azure marketplace, including the ability to use MSFT MACC (committed spend) towards Darktrace coverage



The image shows a promotional graphic for Darktrace. On the left, there's a 3D rendering of several translucent, multi-colored cubes (pink, purple, orange) on a light grey surface. The word "DARKTRACE" is written in a bold, black, sans-serif font to the right of the cubes. On the right side, there's a dark blue rectangular box with white text. The text includes a category "Cross-industry", a main headline "Safeguarding your business with AI-powered security solutions", and a byline "By James Chadwick, Senior Director, UK ISV Ecosystem, Microsoft".

26/01/2024

[f](#) [X](#) [in](#)

Tags

AI

Azure Marketplace

Azure Sentinel

Cybersecurity is one of the top challenges of our digital age. It's not uncommon to read reports on security incidents, spanning all types of industries in all parts of the globe. And while security measures are constantly evolving, so too are attack techniques, exposing organisations to serious, and costly, compromise.

In this second of our four-blog series, we'll see how prevention is truly the best defence. And as organisations continue to transition to the cloud, independent software vendors have been instrumental in building innovative cyber security

Integrity360
your security in mind

**SECURITY
FIRST**

Thank you



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DARKTRACE

Keeping the Lights On: Defending CPS and Critical Infrastructure in the AI Era



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AI in the SOC: Turning Intelligence into Resilience



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Networks without borders: Trust nothing, verify everything



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Q-Day and beyond: Building resilience for the Quantum age

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Captain Donovan Smith

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Bridgetown Credit Union



Q&A with special guest: Dalton Grant

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Dalton Grant
Three-Time Olympian





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Conference wrap up

FEEDBACK

