

Alin CyberSecurity Overview

Presenter:

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Agenda

Spot Al-Powered Attacks Early

How to recognise the tell-tale signs of Al-driven phishing, fraud, and social engineering.

Deploy AI Defences Effectively

Practical ways AI can cut false positives, surface real threats faster, and support lean security teams.

Upskill Teams for the Al Era

The new skills security analysts need as their role shifts from manual investigation to validating Al-generated alerts.

TL;DR

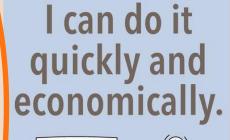
Al will be Speed and Efficacy to Security



efficacy

I can do

it right.



VS



efficiency

vs effectiveness

I can do it well.



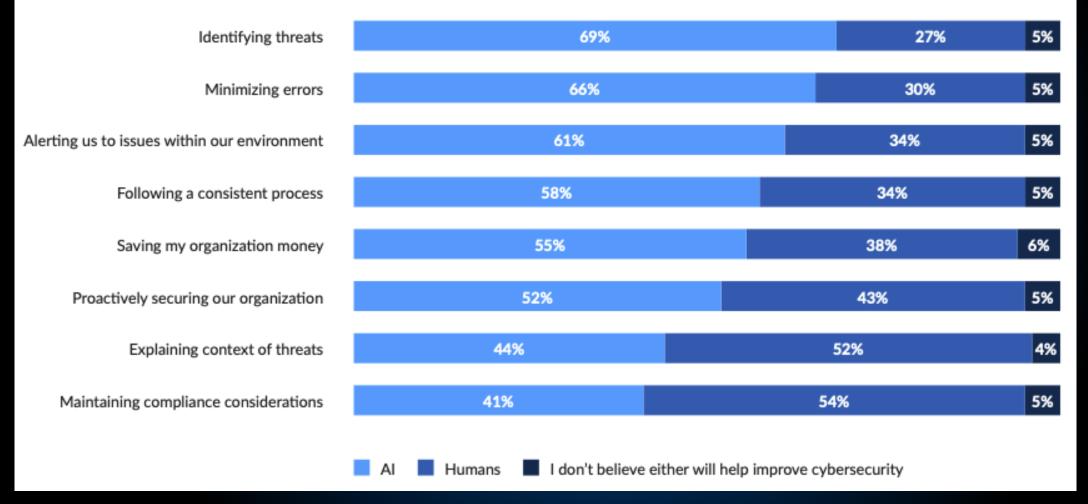


We Recently Surveyed 2000 Organizations

We found that 93% of organizations indicated that the inclusion of artificial intelligence will influence some portion of their cybersecurity investment decisions over the next 12 months. This shows us that, as leaders plan and budget for their future cybersecurity needs, Al will be a critical factor in their decision-making process.

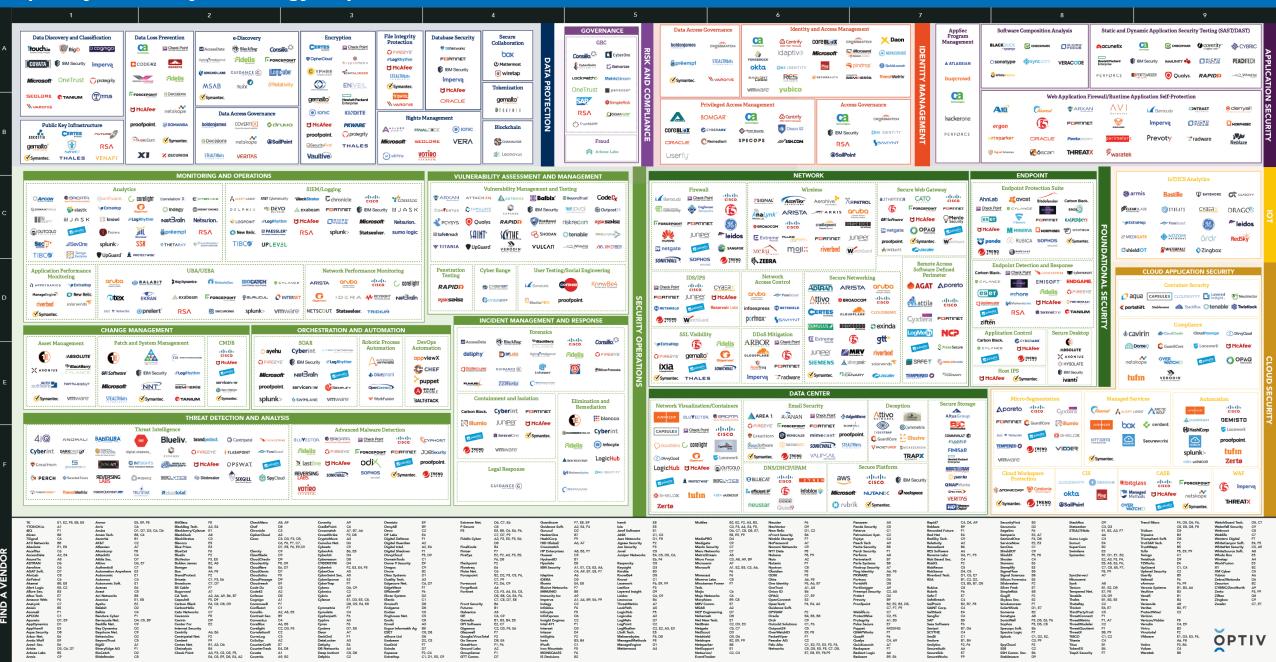
Spot Al-Powered Attacks Early

Which do you think is more capable of helping to improve cybersecurity at your organization?

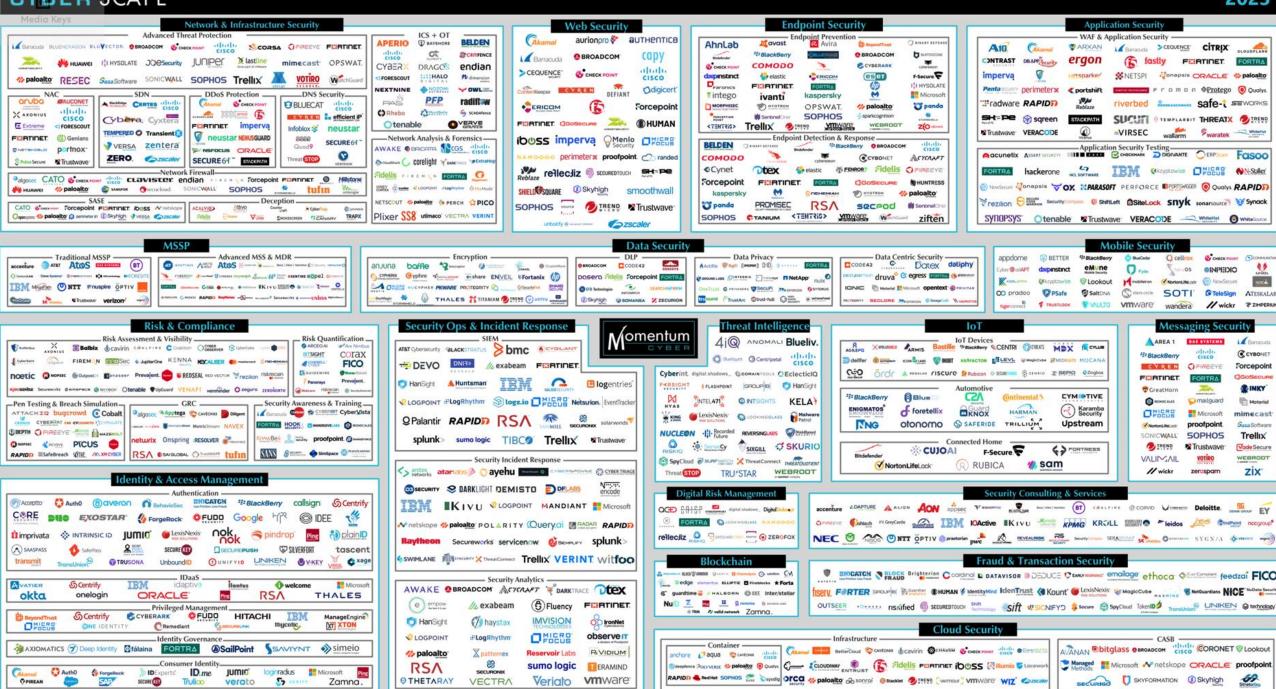


99% Of organizations we surveyed say
Cybersecurity Purchases Will Be Influenced by Al
Capabilities

Optiv Cybersecurity Technology Map



CYBER SCAPE



Deploy AI Defences Effectively

Regions considering adding Al-informed technology for breach response readiness are:

- 01. The U.S. ~56%
- 02. U.K. and Ireland ~54%
- 03. Austria, Switzerland, and Germany ~51%

The bottom three

- 01. South Africa, Australia, and New Zealand ~49%
- 02. Belgium and the Netherlands ~44%
- 03. Denmark, Sweden, Norway, and Finland ~38%

The Network Is No Longer The Perimeter

How and where do your users connect today?

- ✓ Zero Trust is b;ecoming the new norm.
- ✓ All should be on the workstation and server to identify attacks pre-execution.
- ✓ Security operations should be the catchall safe pair of hands
- ✓ SOC should be using AI to ensure fast and accurate time to response.

Upskill Teams for the Al Era

How are you going to upskill your security teams if you cant find them?

- 10,818 cyber security professionals (ABS Census 2021 7xANZCO categories)
- 4,356 cyber operations specialists (ABS Census 2021 ANZCO 262116/18)
- AISA membership ~12,000 members
- ~30,000 per Austcyber
- 3305 CISSPs per ISC2 (2022)

- ISC2: 25,000 short today
- National Skills Commission:
 30,000 short over 4 years
- Austcyber:
 - 7000 short in 2023
 - **16000** short by 2026



4,356 cyber operations specialists. ~850 in NZ

Hiring top-tier cybersecurity talent remains a widespread challenge that organizations face as part of developing security programs. Now, many leaders are looking for alternatives to hiring as a way of overcoming this "security skills gap." One possibility being considered is the adoption of AI to maximize the talent of the staff they are able to hire:

73%

Believe in the promise of AI in cybersecurity and are already implementing AI-driven solutions; with 79% taking this approach because they believe AI will improve their ability to detect new threats.

54%

Recognize that maximizing Al's potential may require changes, namely upskilling their teams to manage Al.



Organizations recognize changes are needed to accommodate the increase in Al-powered cybersecurity systems, with almost half (49%) expecting Al adoption to mean their analysts will waste less time on low-level or repetitive tasks. These analysts are then expected by a similar percentage (46%) to transition into acting more as alert validators, reviewing and verifying Al outputs as the technology focuses on the repetitive, granular work at increased speeds.

More than half of respondents though, or 52%, expect in-house teams will need to upskill to better manage AI technology.

96%

of organizations expect Al adoption to change their team's workflow or responsibilities.



Thank You