

Trellix

Insights report

The Mind of the CISO - Decoding the Gen AI Impact

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Mind of the CISO



Key statistics

82%

...of organizations have **experienced an increase in cyber-attacks** over the past 6 months

84%

...believe **GenAI** could give their organization **an advantage over cyber-criminals**

90%

...of CISOs feel that they are **exposed to increased liability** as a result of AI/GenAI

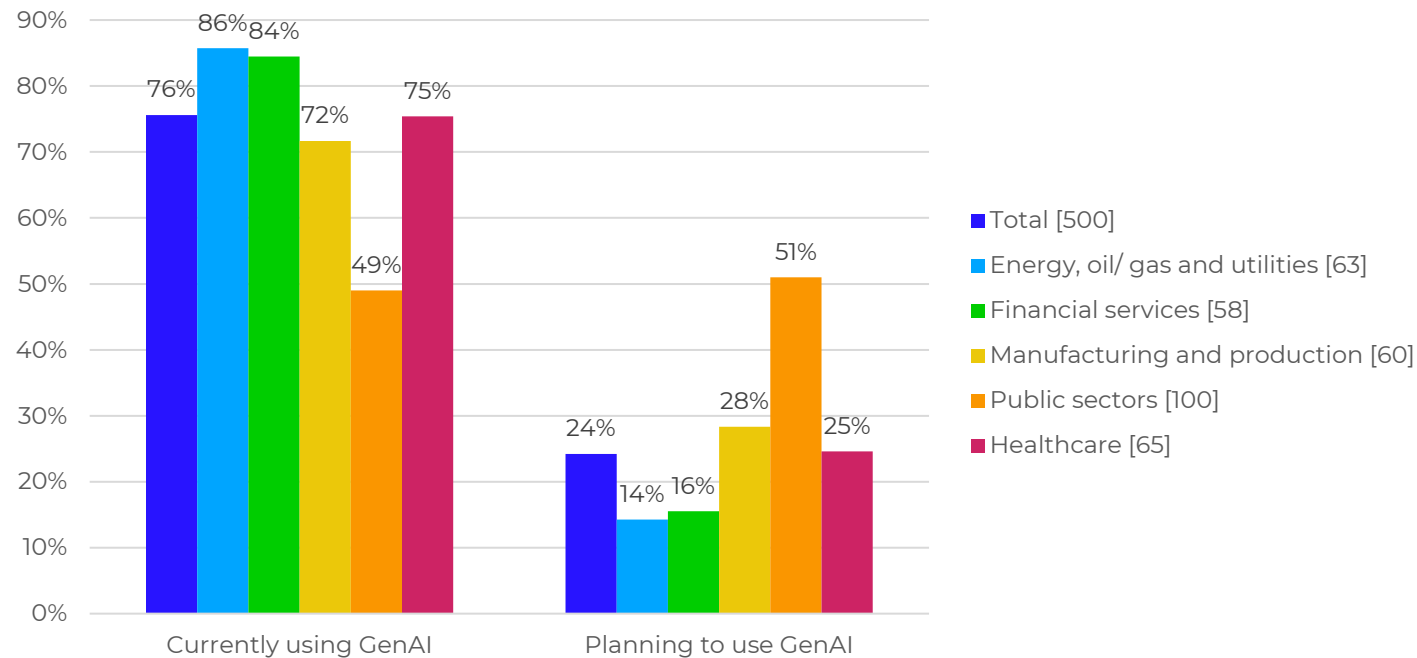
92%

...of CISOs agree that **AI/GenAI** has made them **contemplate their future as a CISO**

Use of Generative AI

The use, or anticipated use of GenAI is widespread among organizations

Current and planned use of Gen AI

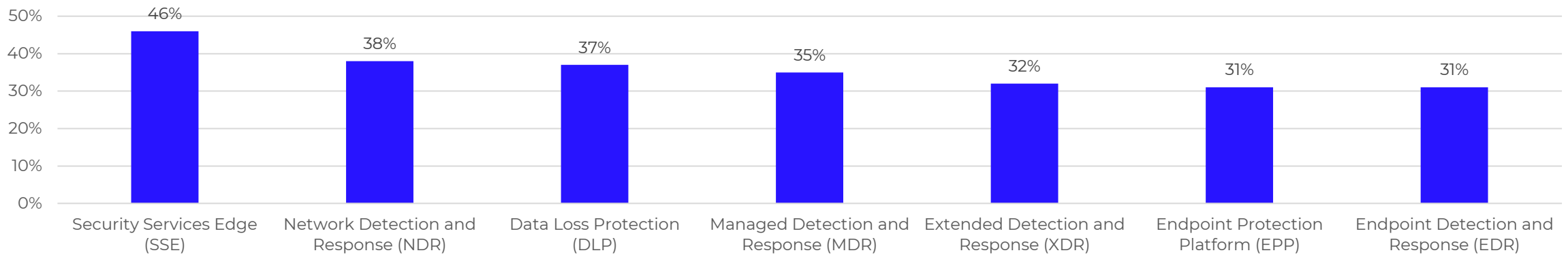


Integrating GenAI into security

Organizations look set to integrate GenAI functionality into their cybersecurity operations

Over the next 12 months, organizations are set to integrate GenAI functionality into a range of critical security solutions, further demonstrating how the technology is revolutionizing the cybersecurity landscape.

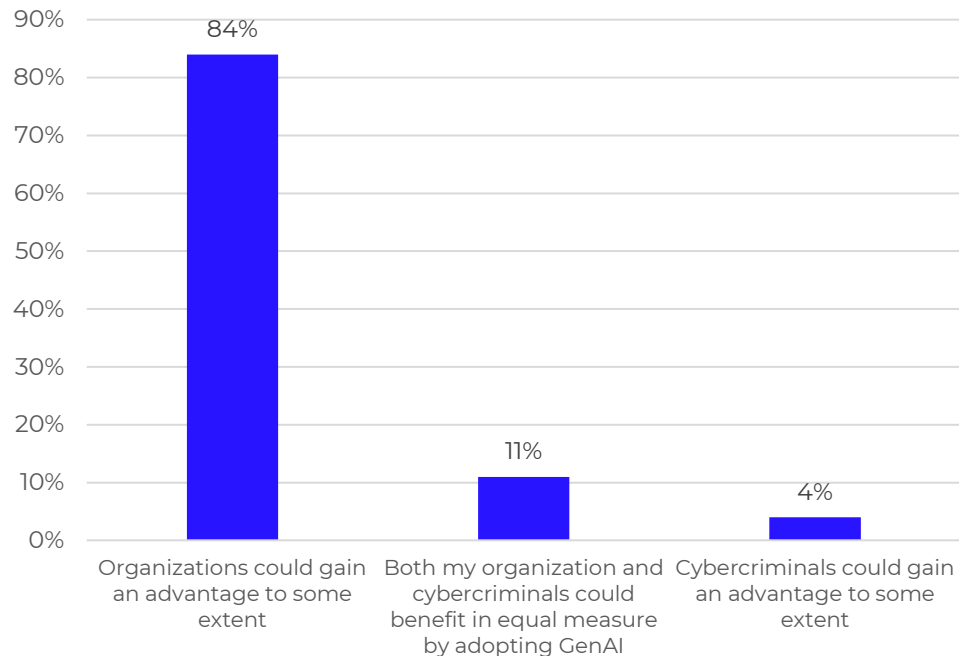
Solutions/capabilities to receive GenAI functionality



Benefits of Generative AI

Generative AI is set to benefit cybersecurity, staffing issues and productivity

Impact of GenAI on cybersecurity



CISOs believe that GenAI has, or could **improve the productivity** of their organization's workforce by **38%**, on average

(89%) agree that the adoption/integration of GenAI tools will **help address SecOps staffing issues** within their organization

A double edged sword?

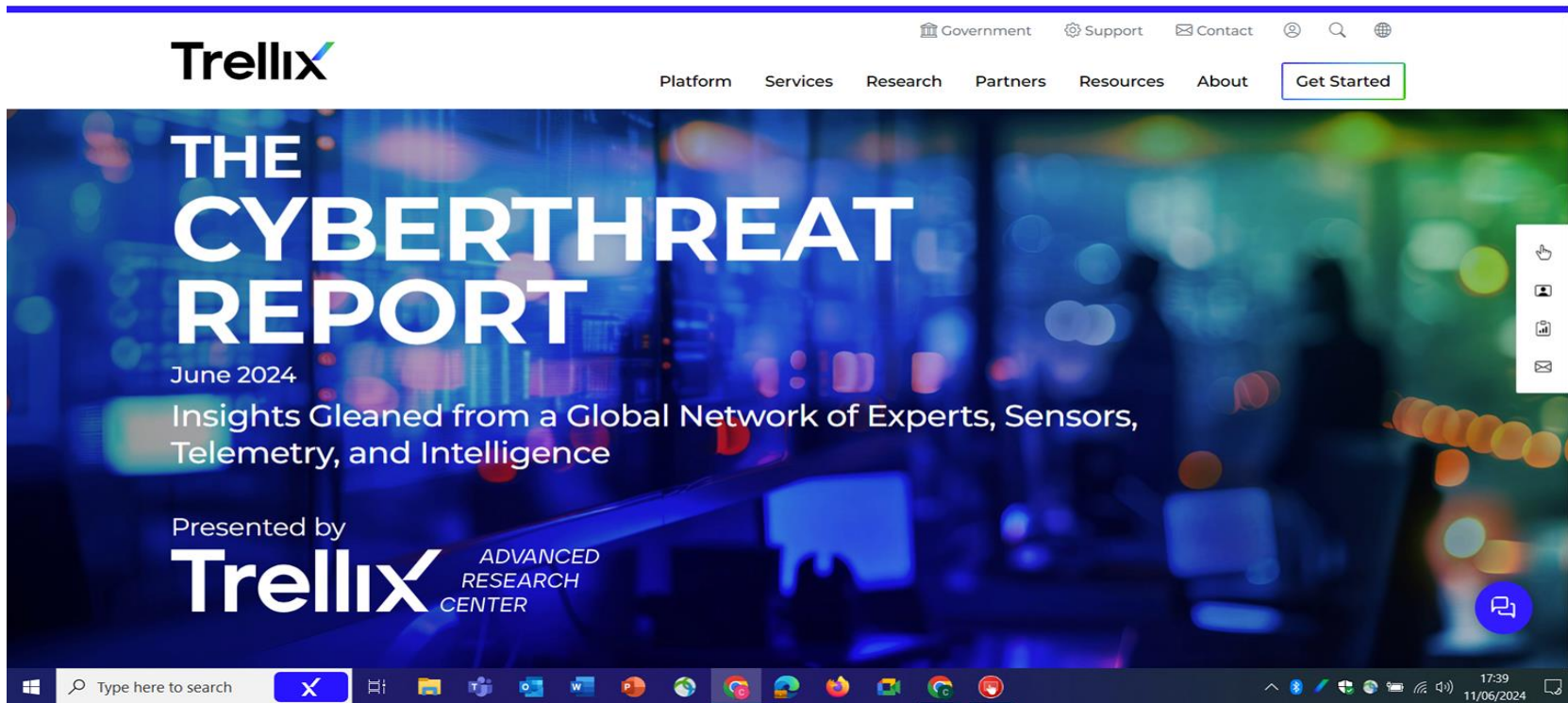
CISOs are concerned cyber-criminals will use GenAI in cyber-attacks

Concerns over cyber criminals using GenAI in cyber-attacks



A double edged sword?

Threat actors have access to cheap, free GenAI-based tools that empower them to become experts overnight



<https://www.trellix.com/advanced-research-center/threat-reports/june-2024/>

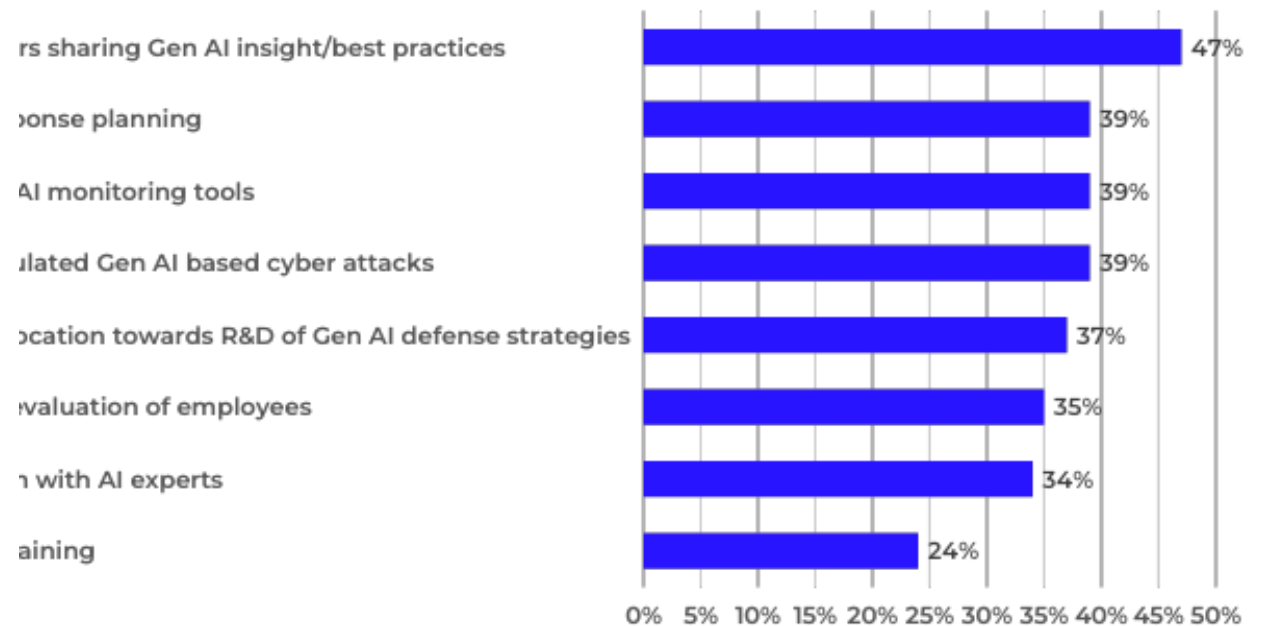


Identifying GenAI based cyber-attacks

CISO's lack confidence in their workforce's ability to identify GenAI powered cyber-attacks

Methods to improvement the confidence of identifying cyber-attacks that use GenAI

Around six in ten (62%) CISOs **don't have full confidence** in their organization's workforce to successfully **identify cyber-attacks that use GenAI**



The wellbeing of CISOs

90%

...of CISOs are finding themselves **under increased pressure**

87%

...of CISOs **regularly work outside of their contracted hours**

92%

...agree that AI/GenAI has made them **contemplate their future as a CISO**

With cyber-attacks on the rise, AI pressures mounting, and accountability growing, CISOs are feeling squeezed

Gen AI can improve management tools

Artificial intelligence also has the potential to improve communication between CISOs and board members

90%

...of CISOs believe GenAI can **automate the generation of cybersecurity metrics**

92%

...of CISOs believe GenAI has the ability to **anticipate and address the concerns of board members**

91%

...of CISOs report GenAI has the potential to **streamline reporting** when presenting to board members

Key takeaways

CISOs find that Gen AI is **enhancing/augmenting cybersecurity processes and/or technologies**.

However, AI presents a double-edged sword; and in the wrong hands, it can pose significant security risks.

With cyber-attacks on the rise, AI pressures mounting and responsibilities growing, **90% of CISOs are finding themselves under increased pressure**

But there is **optimism about how AI can improve incident response and create more efficiency of solutions**