

Harold Rivas

Chief Information Security Officer

Mind of the CISO: GenAI



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25+ years of Information Security experience leading global programs for financial services and highly regulated organizations.

Served as CISO and senior technology leader for multiple international companies, including Fujitsu, loanDepot, Santander, Mr. Cooper, and Citigroup.

Guide the Customer Zero program, providing a customer's view and feedback loop into our product roadmap.

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Mind of the CISO Research



Generative Artificial Intelligence

Open AI and other LLMs have disrupted multiple industries.

CISOs are contemplating the impact of these innovations on their risk profile, capabilities, and adversaries.

Our research seeks to understand the impact of GenAI from a CISO's perspective.



Mind of the CISO Research

500 CISOs were interviewed in April 2024

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%

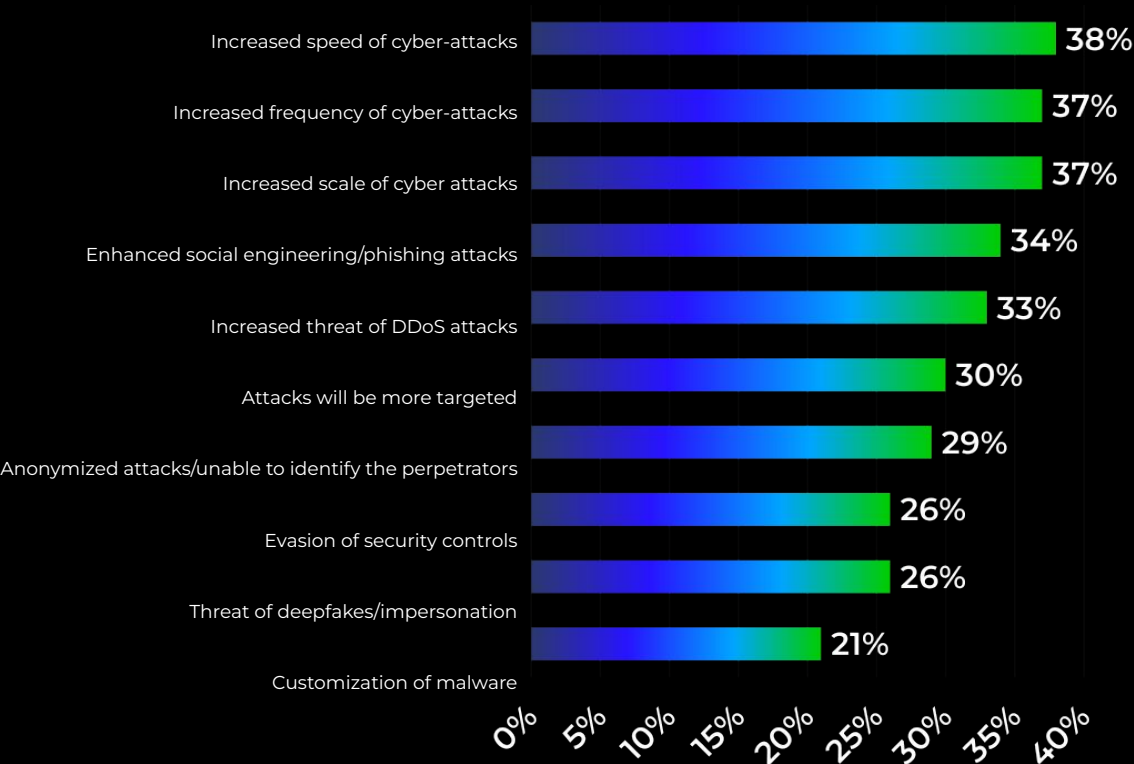
...of CISOs agree that **AI/GenAI** has made them **contemplate their future as a CISO**



GenAI increases the threat of cyber-attacks

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

Concerns over cyber criminals using GenAI in cyber-attacks



Primary concerns:

- Speed (38%)
- Frequency (37%)
- Scale (37%)

Other significant concerns include

- Personalized malware (21%)
- Deepfakes and impersonation (26%)
- Potential circumvention of security protocols (26%)



GEN AI



Potential for faster,
more frequent and
sophisticated
attacks



More capable
and effective
SOC

More automated
response

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Action Plan



CISO GenAI Action Plan

- Adopt GenAI for SOC
- Educate executives on the massive changes in cybersecurity
- Update risk assessments
- Revisit risk appetite with Board
- Closely monitor the regulatory landscape

Adopt the Benefits of AI

Accelerating Insights: CISOs can make faster, data-driven decisions, which is crucial in a rapidly evolving threat landscape.

Information Correlation: AI can correlate data from multiple data sources with an organization's internal information, highlighting potential vulnerabilities and weaknesses.

Augmenting Human Efforts: Trellix Wise, for example, enhances the effectiveness of your security analyst. It can provide guided investigations to your analysts to help ensure even your junior analysts are fully effective in handling incidents.

The Trellix logo is centered on a blue background with a green-to-blue gradient at the top. The logo consists of the word "Trellix" in a white, sans-serif font. The background features a pattern of white, wavy, dashed lines that create a sense of depth and movement, particularly in the upper and lower portions of the image.

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