



8 Ways Deloitte's Cyber AI and Automation Solutions Can Help CIOs

As a Chief Information Officer (CIO), understanding the cyber impact of Artificial Intelligence (AI) and automation is crucial for effective risk-decisioning and strategic planning. According to a Gartner CIO and Technology Executive Survey, one-third of CIOs say their organization has deployed AI technologies, and 15% more believe they will deploy AI within the next year(1). Deloitte, ranked #1 out of the Top Five Security Consulting Service Providers, Worldwide, 2024(2) for the eighth consecutive year, and a Leader in AI Services(3), is at the forefront of integrating AI into cyber services. We leverage our Trustworthy AI™ governance principles to assist clients in building AI and automation capabilities that help enhance enterprise resilience while protecting vital information. Here are some examples, and notable case studies, that showcase Deloitte's effective application of AI in helping clients boost their cybersecurity.

1 Our award-winning cybersecurity solutions are bolstered by Deloitte's AI Institute and Trustworthy AI Framework:

Deloitte leads security consulting by pioneering thought-leadership and automation models that can weave safety, compliance, and secure governance frameworks into an organization's cybersecurity fabric. **Benefits:** Instrumenting governance and protecting sensitive data.

2 Modernizing IT - AI for Threat Detection and Response

Our collaboration with leading technology alliances yielded Cyber AI and Automation accelerators that are designed to **speed deployment and shorten time to value**. By arming security teams with highly advanced AI/Machine Learning (ML) models, contextual **data via enhancement with Generative AI (GenAI)** capabilities, and automated remediation playbooks, organizations can better anticipate, detect, respond, and mitigate threats ... in near real time. **Benefits:** Improved detection, faster mean-time-to-respond, and proactive defense.

3 Enable Business Adoption of AI:

Deloitte offers multiple AI applications tailored for various verticals. By leveraging advanced technologies, we help clients address [challenges with practical use cases](#) and effectively **integrate AI into processes and workflows**, like security operations center (SOC) automation. Gartner predicts that by 2025, 80% of CIOs will be measured on their ability to contribute to revenue growth(4). **Benefits:** bespoke solutions and improved customer experience while reducing burdens on analysts and improving operational efficiencies. ➔

4 AI and Deep Fakes Cybercriminals are creatively using AI technologies to enhance social engineering and other tactics. Deloitte's [threat intelligence solutions](#) and [managed extended detection and response services](#) highlight the emergence of "deep fakes," where AI replicates and manipulates voices and images - for instance, where a CEO's voice was falsified using AI for fraudulent money transfers - and other emerging trends. **Benefits:** Understanding the [evolving landscape of AI-driven threats](#) and the importance of AI in detecting and countering them.

5 AI-driven Automation: Implement checks and balances to help mitigate potential threats. AI can enhance automation for routine tasks, helping to reduce human errors, streamline processes, and improve overall cybersecurity effectiveness. This allows organizations to free-up resources for more strategic tasks. **Benefits:** Efficient handling of tasks, reduced vulnerability, and cost savings.

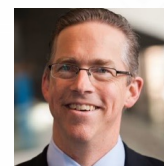
6 Cyber AI as a Force Multiplier: Deloitte's [State of Generative AI 2024 report](#) revealed that integrating AI, and prioritizing scalable AI solutions, can drive competitive advantage and yield significant benefits, including enhanced data security. **Benefits:** Increased efficiency, effective data management, and improved decision-making processes.

7 IoT to Zero Trust to the AI-Native SOC: As the boundaries of the traditional enterprise network disappear with cloud, Internet of Things (IoT), remote work, etc., the attack surface of the enterprise increases as does the complexity of threat defense. Deloitte offers **tailored solutions that can help clients address such complexities by leveraging AI, orchestration, and automation** such as [Zero Trust](#), [IoT security](#), and [AI-native SOC offerings](#). **Benefits:** Modern AI capabilities that bolster defenses.

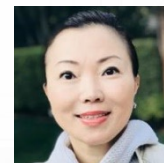
8 Cyber Sector Specialists: Deloitte delivers cyber specialists by industry, so whether your business is Financial Services; Life Sciences; Health Care; Energy, Resources and Industrials; Government and Public Services; Consumer; or Technology, Media & Telecommunications, **our experienced advisors understand your industry-specific needs** and can help you protect your enterprise.

Deloitte's innovative approach to AI in cybersecurity demonstrates our commitment to staying ahead of cyber threats and assisting our clients with effective defense and mitigation mechanisms that protect the enterprise for the future. We're here for you each step of the way. We are **Cyber, Accelerated.**

Get in touch for a complimentary AI consultation or risk assessment.



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1 [CIO Priorities 2024 | Info-Tech Research Group \(infotech.com\)](#)

2 Source: Gartner® Market Share Analysis: Security Consulting Services, Worldwide, August 2024 - Gartner does not endorse any vendor, product or service depicted in its research publications and does not advise technology users to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's Research & Advisory organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.

3 Source: Deloitte is named a **Leader in the IDC MarketScape: Worldwide AI Services** 2023 Vendor Assessment (doc #US49647023, May 2023). Deloitte was also named a Leader in the 2019 and 2021 versions of this report.

4 [Gartner Says CIOs Must Prioritize Their AI Ambition and AI-Ready Scenarios for Next 12-24 Months](#)

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