

## Artificial Intelligence

### Summary

*IBM* defines Artificial Intelligence (AI) as technology leveraging “computers and machines to mimic the problem-solving and decision-making capabilities of the human mind.”

### Innovation in Banking

Over five decades ago, bankers adopted “algorithmic trading strategies, powered by high-speed computers and complex mathematical formulas, to lower transaction costs and execute trades in a matter of milliseconds.” A Forbes article from April 2023 revealed big banks and other financial institutions now use machine learning software to help assess credit risks, onboard clients, and detect fraud.

Regulatory banking agencies support responsible innovation by financial institutions that includes the identification and management of risks associated with the use of new technologies and techniques. It is important for financial institutions to have processes in place for identifying and managing potential risks associated with AI, as they do for any process, tool, or model employed.

The popularity of AI-based end-user tools is certainly increasing. Cyware and Trendmicro also report, unfortunately, the tools have also attracted cyber criminals who use various social engineering tricks to lure potential victims. On 23 March 2023, *Bank Info Security* reported ChatGPT exposed payment card data of subscribers.

Additionally, a malicious advertising campaign was observed abusing the Google Search engine to push malicious executables disguised as popular AI tools such as ChatGPT and Midjourney.

### For internal discussion...

*Is your institution considering the integration of AI into your strategic decision making process?*

*Has your institution considered the privacy, regulatory, reputational, discriminatory, or unfair outcomes associated with AI “if not implemented with appropriate care”?*

*Does your institution and/or third-party services ensure the confidentiality, availability, and integrity of data used in AI?*

*Does your incident response plan include a scenario involving AI?*

## Events

[Full-Stack Cyber Competency  
Cyber-Range Exercise](#)

**12 July 2023**

[Interactive Incident Response  
Workshop](#)

**18 July 2023**

[CAPS | Banking Exercise](#)

**4 September – 13 October 2023**

## About FS-ISAC

FS-ISAC is the member-driven, not-for-profit organization that advances cybersecurity and resilience in the global financial system, protecting the financial institutions and the people they serve. The organization’s real-time information-sharing network amplifies the intelligence, knowledge, and practices of its members for the financial sector’s collective security and defenses. To learn more, visit [fsisac.com](https://fsisac.com).

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