

Quantum-Artificial Intelligence (AI) Financial Fraud Simulator Market to Reach USD \$6.73 Billion by 2029 at 30.2% CAGR

*The Business Research Company's
Quantum-Artificial Intelligence (AI)
Financial Fraud Simulator Market Report
2025 – Market Size, Trends Forecast 2025-
2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, October 2, 2025

/EINPresswire.com/ -- What Is The

Estimated Industry Size Of [Quantum-Artificial Intelligence \(AI\) Financial Fraud Simulator Market?](#)

The market for quantum-artificial intelligence (AI) financial fraud simulators has experienced remarkable growth in the past few years. The market value is projected to surge from \$1.80

billion in 2024 to \$2.34 billion in 2025, evidencing a compound annual growth rate (CAGR) of 30.5%. This upward trend during the historical phase is directly linked to the escalating numbers of financial fraud incidents, the proliferation of digital payment methods, tougher regulatory compliance obligations, and a growing need for immediate fraud detection.

The market size for quantum-artificial intelligence (AI) financial fraud simulator is predicted to undergo significant expansion in the coming years. The market is likely to inflate to \$6.73 billion in 2029 with a compound annual

growth rate (CAGR) of 30.2%. This growth during the forecast period could be due to increased implementation of quantum computing, a surge in investment towards AI security solutions, a rising need for predictive analytics, the proliferation of cloud-based fraud detection platforms, along with an upsurge in the capabilities of quantum computing and merger of quantum-classical methods. The imminent trends for the forecast period are expected to be advancements in quantum algorithms, novelties in AI-enabled simulators, the embracement of combined quantum-classical systems, and the amplification of real-time monitoring



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What Are The Major Factors Driving The Quantum-Artificial Intelligence (AI) Financial Fraud Simulator Global Market Growth?

The anticipated escalation of cyber threats is likely to fuel the expansion of the quantum-artificial intelligence (AI) financial fraud simulator market. Such threats are malicious ventures by individuals or groups aiming to damage, disturb, or illegally access computer systems, networks, or online information. The increasing cyber threat can be attributed to the heightened concentration of digital asset storage, making it an inviting target for hackers due to its single point of failure. By merging quantum computing and AI, quantum-AI financial fraud simulators analyze an immense amount of financial data in real-time to navigate the cyber threats. They bolster cybersecurity systems by recognizing unusual patterns and forecasting potential fraud, thus mitigating financial risks and boosting the accuracy of detecting and averting threats. Check Point Software Technologies Ltd., an Israel-based cybersecurity firm, highlighted in July 2024 that cyberattacks on corporate networks have surged, with a 30% weekly increase in the second quarter of 2024 compared to the same time in 2023, and a 25% rise from the first quarter of 2024. Consequently, the escalating cyber threats are driving the expansion of the quantum-artificial intelligence (AI) financial fraud simulator market. The surge in the adoption of cloud-based services is predicted to boost the quantum-AI financial fraud simulator market's growth. Cloud-based services are internet-originated solutions enabling remote access to data, apps or computing resources, without the need for local infrastructure. The proliferation of cloud-based services is due to their scalability and adaptability, allowing businesses to modify resources promptly without incurring hefty initial infrastructure expenses. By offering scalable computing ability and on-demand resources, cloud-based solutions make quantum-AI financial fraud simulators suitable for managing intricate fraud detection tasks. Enhanced accessibility is offered as it enables real-time supervision and updates from any place, thus enhancing security, efficiency and the ability to adapt for financial institutions. As reported in December 2023 by Eurostat, a government agency in Luxembourg, the acquisition of cloud computing services by 45.2% of companies marked a 4.2% surge from 41% in 2021. Therefore, the surge in adoption of cloud-based services is driving the growth of the quantum-artificial intelligence (AI) financial fraud simulator market.

Who Are The Leading Companies In The Quantum-Artificial Intelligence (AI) Financial Fraud Simulator Market?

Major companies operating in the quantum-artificial intelligence (ai) financial fraud simulator market are Amazon Web Services Inc., Accenture plc, International Business Machines Corporation, Fujitsu Limited, NVIDIA Corporation, Infosys Limited, AdvanThink S.A., Unisys Corporation, PsiQuantum Corporation, Sandbox AQ Inc., Quantinuum Inc., Hakkoda Inc., 1QB Information Technologies Inc., Pasqal SAS, IonQ Inc., Multiverse Computing S.L., Q-CTRL Pty Ltd.,

Saarthee.ai, Classiq Technologies Ltd., and D-Wave Quantum Inc.

What Are The Primary Segments Covered In The Global Quantum-Artificial Intelligence (AI) Financial Fraud Simulator Market Report?

The quantum-artificial intelligence (AI) financial fraud simulator market covered in this report is segmented

- 1) By Component: Software, Hardware, Services
- 2) By Deployment Mode: On-Premises, Cloud
- 3) By Organization Size: Small And Medium Enterprises, Large Enterprises
- 4) By End-User: Banking, Financial Services and Insurance (BFSI), Government, Retail, Information Technology (IT) And Telecommunications, Other End-Users

Subsegments:

- 1) By Software: Fraud Detection Software, Risk And Compliance Management Software, Data Analytics And Visualization Tools, Machine Learning And Artificial Intelligence (AI) Algorithms, Quantum Computing Platforms, Simulation And Modeling Software, Cloud-Based Fraud Simulation Software, Predictive Analytics Solutions
- 2) By Hardware: Quantum Computers, High-Performance Servers, Data Storage Systems, Networking Infrastructure, Graphics Processing Unit (GPUs) And Tensor Processing Unit (TPUs), Security Appliances, Specialized Quantum Chips, Edge Devices
- 3) By Services: Consulting Services, Integration And Deployment Services, Managed Security Services, Training And Education Services, Support And Maintenance Services, Risk Assessment And Advisory, Cloud Hosting And Infrastructure Services, Fraud Simulation-As-A-Service (FSaaS)

View the full quantum-artificial intelligence (ai) financial fraud simulator market report:

<https://www.thebusinessresearchcompany.com/report/quantum-artificial-intelligence-ai-financial-fraud-simulator-global-market-report>

Which Region Is Forecasted To Grow The Fastest In The Quantum-Artificial Intelligence (AI) Financial Fraud Simulator Industry?

In 2024, North America stood as the dominant region in the global quantum-artificial intelligence (AI) financial fraud simulator market. It is anticipated that Asia-Pacific will experience the highest growth rate during the forecast period. The quantum-artificial intelligence AI financial fraud simulator market report includes an analysis of regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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