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THREE WAYS HPC CAN BOOST BUSINESS FOR FINANCIAL SERVICES ORGANIZATIONS

The Financial Services Industry is under pressure to be more competitive, enhance customer experience, and optimize revenues. To do this, organizations must be able to process, analyze, and act on enormous volumes of data, often in microseconds. All while complying with numerous rigid regulations and laws to ensure that data stays secure and protected.

- Data must be protected from cyberattacks, fraud, and malware
- Customer privacy must be maintained

High-performance computing can help address these challenges by providing tools to meet some of the most critical demands facing financial services organizations today. It enables you to:

- Easily scale infrastructure resources, from computing to storage and networking
- Meet performance, reliability, and security requirements

1 SECURITY AND FINANCIAL CRIME

Example challenges:

- Respond to increased threats due to new digital environments and a growing remote workforce
- Combat financial crime, from payment fraud to anti money laundering, to insider trading

HPC solution:

- Process and analyze real-time transaction data to identify unusual and potentially fraudulent activity and stop those transactions
- Use patterns in legitimate insurance claims to identify suspicious new claims

300%

Since 2020, the FSI has experienced a **300% increase in cybercrimes.**[1]

RISK MANAGEMENT 2

Example challenges:

- Comply with an increasingly complex landscape of regulations
- Minimize risk as card-not-present and digital payments continue to multiply

HPC solution:

- Run real-time modeling and simulation against increasingly complex risk models, and using huge data resources, to identify and mitigate potential risk faster

3 TRADING DECISIONS

Example challenges:

- Make thousands of trading decisions per second to maximize return on investment
- Predict and preempt market changes to stay ahead of the competition, and develop strategies for high-frequency and algorithmic trading

HPC solution:

- Accelerate trading decision-making and transactions by handling larger volumes of data at a time

1.7x

Up to 1.7x higher Monte Carlo performance on **3rd Generation Intel® Xeon® Scalable platform** versus prior generation.[2]

1.28x

Binomial options pricing workloads achieve up to 1.28x increased performance with **3rd Generation Intel Xeon Scalable processors** compared to previous generation.[3]

HPE and Intel® share a long-term commitment to HPC and delivering its benefits to all organizations. **Their shared technology innovation road map will help financial organizations accelerate their digital transformation, get out in front of the competition, and meet the demands of new entrants and fintechs.**

[1] entrepreneur.com/article/349509

[2, 3] See [108] at edc.intel.com/content/www/us/en/products/performance/benchmarks/3rd-generation-intel-xeon-scalable-processors/?r=621120647 for configuration details. Results may vary.

Discover more about how HPE and Intel's HPC expertise can **help your financial organization act faster, make more accurate decisions, and enhance business performance** in the eGuide.

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