

# AI and HPC offer accelerated time-to-insight for financial services

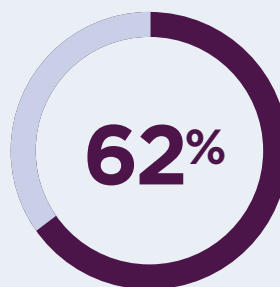
The financial services industry (FSI) has embraced AI and high performance computing (HPC) to drive innovation, improve risk management, and enhance operational efficiency.



Financial services industry organizations are expected to increase AI spending as a percentage of IT spending by 2.4x in the coming year.<sup>1</sup> **The opportunities fueled by AI — for banking, insurance, wealth management, and hedge funds include:**

- Real-time fraud detection
- Advanced risk modeling
- High-frequency trading

Complex challenges from cybersecurity, regulation, and delivering on proof of concepts require AI and HPC platforms that are performant, scalable, reliable, and secure. **These platforms must also be supported by a robust hardware and software ecosystem to enable regulatory compliance and seamless integration with financial services applications.**



**62% of FSI organizations are adopting on-premises, private, or hybrid infrastructure for AI workloads and are increasingly looking for partners with AI expertise and data security experience.<sup>1</sup>**

# Driving AI-powered innovation in finance

Lenovo ThinkSystem® servers, powered by AMD EPYC™ processors and AMD Instinct™ GPUs, deliver cutting-edge performance and energy efficiency optimized to meet the demands of financial services AI workloads.



The Lenovo ThinkSystem SR685a V3 server, supporting up to 8 AMD Instinct GPUs, is built for AI-driven fraud detection, real-time risk modeling, and high-frequency trading while maintaining the high standards of data integrity and security.

- ✓ **Powerful and fast:** 192GB of HBM3 memory per GPU and an ultra-fast transfer rate with AMD Infinity Fabric™ at 896GB/sec.
- ✓ **Low latency:** High memory capacity and 5.3TB/s bandwidth for faster insights.
- ✓ **Outstanding reliability, availability, serviceability (RAS), and security.<sup>2</sup>**
- ✓ **High-efficiency design, including 15 hot-swap redundant fans, to help save on operational costs.**
- ✓ **Secured with an integrated hardware Trusted Platform Module (TPM) supporting TPM 2.0.**

Plus, you can use Lenovo XClarity to streamline operations, automate infrastructure provisioning, and help maintain optimal performance.



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FSI professionals say the most important factor for AI success in the future is access to partners with strong AI capabilities.<sup>1</sup>

**Lenovo and AMD help deliver those AI capabilities with the high performance computing power essential for financial institutions to process vast datasets, model complex risk scenarios, and drive AI-powered decision-making.**

## **Learn more**

### **Source**

<sup>1</sup> [Lenovo, "Lenovo Global CIO Playbook 2025," February 2025](#)

<sup>2</sup> [Information Technology Intelligence Consulting, "ITIC 2023 Global Server Hardware, Server OS Reliability Report," September 2023](#)

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