



Revolutionize operations with AI

A private cloud for AI for financial services



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The financial services industry faces significant challenges in maintaining security, efficiency, and accuracy in its operations. Even when a financial organization doesn't have a global footprint, it still operates in a global environment that's highly regulated. Adhering to regulations and moving funds efficiently requires adept risk management, encompassing areas such as fraud detection, investment allocation, lending, and trading.

The following are some of the key problems faced by the industry:

- **Fraud and financial crime:** Financial institutions lose billions of dollars annually to fraud, lawsuits, investigations, and reputational damage.
- **Regulatory compliance:** Navigating a complex web of global regulations is challenging and requires constant vigilance to avoid legal repercussions and financial penalties.
- **Lending decisions:** Traditional lending models are slow, rely on limited data sources, and often produce suboptimal results, especially for applications with barely acceptable risk profiles, leading to customer churn or loss of revenue.
- **Risk management:** Effective risk management is crucial, yet traditional methods lack the agility needed to respond swiftly to changing market conditions and emerging risks.
- **Investment insights:** Providing timely and accurate investment insights is challenging due to the vast amounts of structured and unstructured data that must be sifted through, including market trends, economic indicators, and geopolitical events.
- **Customer experience:** Customers now expect personalized and insightful financial guidance. Failure to meet these expectations can result in diminished customer satisfaction and loyalty, as clients may turn to competitors offering more reliable and actionable insights.
- **Operational efficiency:** Maintaining efficiency in operations is difficult amidst growing volumes of transactions and data, leading to increased operational costs and slower service delivery.

Solving key challenges with AI

AI can help solve industry challenges in a better way. Financial institutions can leverage AI to extract key insights from vast and diverse datasets to develop sophisticated financial products, services, and tools. Banking, trading, and insurance sectors are modernizing their operations with AI, harnessing real-time insights to achieve better outcomes, higher profits, and a competitive edge.

- **Reduce fraud and financial crime:** Machine learning models can evaluate transaction data in real time. They can identify unusual patterns and anomalies indicating fraudulent activity, enabling immediate intervention, and reducing financial losses and the associated costs of lawsuits, investigations, and reputational damage.
- **Ensure regulatory compliance:** AI-driven risk management tools streamline regulatory compliance by automatically monitoring and reporting compliance-related activities. This ensures more efficient adherence to global regulations, reducing the risk of legal penalties, and enhancing the institution's credibility.



- **Improve lending decisions:** Machine learning models can analyze extensive various digital footprints, to assess an applicant's creditworthiness more accurately and quickly. This accelerates the loan approval process and minimizes human biases, resulting in more consistent lending decisions.
- **Enhance risk management:** AI enhances agility in risk management by quickly responding to changing market conditions and emerging risks. This allows financial institutions to better anticipate and mitigate potential threats, ensuring more robust and proactive risk management.
- **Provide better investment insights:** AI enhances the ability to provide timely and accurate investment insights by processing vast amounts of data, including market trends, economic indicators, and geopolitical events. Natural language processing (NLP) techniques enable AI to sift through and interpret large datasets quickly, identifying relevant patterns and trends in various sources, such as news and financial reports. This allows financial institutions to offer more precise and actionable investment advice, helping clients make informed decisions.
- **Enhance customer experience:** AI enables financial institutions to deliver personalized and insightful financial guidance by analyzing customer data and market conditions. Machine learning models can predict individual customer preferences, allowing for tailored advice. Timely insights enhance customer satisfaction and loyalty.
- **Improve operational efficiency:** AI improves operational efficiency by automating routine tasks and optimizing workflows. This reduces operational costs, speeds up service delivery, and allows human resources to focus on more complex and value-added activities.

A private cloud for AI for financial services

HPE Private Cloud AI is the engine behind implementing these new value streams in your financial organization.

HPE Private Cloud AI, part of NVIDIA® AI Computing by HPE, is a turnkey private cloud solution for inference, retrieval augmented generation (RAG), and fine-tuning use cases. Codeveloped with NVIDIA, it delivers a cloud-based experience to simplify AI complexity, improve productivity, and speed time to value—while keeping data private, secure, and under complete control of enterprise IT. The solution can be deployed on-premises in colocations, edge locations, or data centers. And unlike full-stack AI solutions based on reference architectures that can take months to plan, build, and deploy with professional services, HPE Private Cloud AI is ready to use out of the box—providing productivity to AI and IT teams in minutes. All managed through HPE GreenLake cloud, it enables customers to expand and add AI capabilities as demand within the enterprise grows.



Key benefits of HPE Private Cloud AI

- **Instant AI productivity:** Get self-serve access to essential AI tools
- **Unified access to all your data:** Remove data siloes with one global namespace for seamless access to different data types, anywhere
- **Enterprise-grade confidence and control:** Protect data and models, and maintain performance and reliability of AI infrastructure, with multilayered controls
- **Cloud experience that keeps your data and IP private:** Deployed on-premises, designed for hybrid; flexible and modular with cloud technologies, economics, and scalability

Up and running in
three clicks

2x
increase in AI development
productivity¹

4x
faster time to
inference²

Flexibility
to consume and manage
as demand grows

¹ 90% developer productivity increase is based on 2023 UA data: Reduction in total time to build, train, evaluate and operationalize ML model using bespoke tools in comparison with fully integrated workflows and self-service access to data and ML frameworks.

² The 4x faster time to inference is in comparison with the typical DIY manual steps to operationalize large language model (LLM) versus automation in AI essentials (for example, virtual assistant chatbot solution accelerator with RAG).



Accelerate AI success with Hewlett Packard Enterprise and NVIDIA

AI holds immense potential for driving transformation. However, the vast and fragmented ecosystem of AI software and hardware choices creates complexity and can jeopardize a company's most valuable asset—its proprietary data.

HPE Private Cloud AI helps to solve these challenges—simplifying complexity and improving productivity while managing enterprise risk from AI.

Wherever you are on your AI journey, HPE Private Cloud AI can help you accelerate success. Start fast, remain open, and consume flexibly to meet future AI opportunities.

Learn more at

HPE.com/us/en/Private-Cloud-AI.html



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