

THIS IS THE FUTURE OF FINANCE

# IT'S TIME TO GET AHEAD.

**A GUIDE TO GETTING AHEAD WITH HPE AND  
NVIDIA AI SOLUTIONS.**

THE AI SOLUTION GUIDE

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## INTRODUCTION

**Data-driven strategies and investment in artificial intelligence (AI) and machine learning (ML) are only becoming more critical. The global COVID-19 pandemic has placed immense pressure on financial services technology professionals to accelerate digital transformation.**

Organizations are prioritizing AI project forecasts to meet new world demands by implementing innovative customer-centric solutions. However, innovating whilst considering enterprise-wide business outcomes and varying role-specific objectives can be challenging. Teams within an organization must collaborate in order to implement and scale AI.

Organizations that harness quality data, data science expertise and enterprise grade solutions, will have the competitive edge.

HPE and NVIDIA® provide powerful, scalable solutions to meet business, data science and IT needs, delivered on a flexible consumption-based model.

Here are some AI best practices and solutions to get ahead of your AI projects.



Introduction

Enterprise AI Strategy | The Key to AI Team Orchestration

HPE and NVIDIA AI Solutions for the Future of Finance AI

On-premises Cloud Experience Accelerates your AI Projects

Conclusion

## ENTERPRISE AI STRATEGY | THE KEY TO AI TEAM ORCHESTRATION

**There is no AI silver bullet and you're likely familiar with the 'AI hammer' mentality. In most cases, AI is misunderstood. To truly benefit, organizations should implement an enterprise-wide strategy that speaks to varying stakeholder delivery requirements and challenges.**

It's important to consider the wider business impact of AI and how it can be optimized to orchestrate organizational change.

Financial organizations tend to fall into two AI categories. Firstly, the early adopters, those that have been investing in AI for five

or so years. These organizations quickly developed multiple AI enabled products and services, often siloed within different business units with little interoperability or shared working methodologies. Often referred to as the dreaded shadow AI.

Then, there are those that have waited and witnessed the early adopters' challenges, learned from it and begun to consider scalability, repeatability and the overall AI strategy.

Regardless of what category you sit in, implementation of an enterprise AI strategy means board-level AI demands can be executed quickly and efficiently, whilst empowering data scientists and IT engineers, and contributing to the wider business digital transformation priorities.



### ML Ops delivered as a service

**A unified enterprise strategy can improve consistency and stability by seeding it natively throughout the business rather than siloed in business unit science bubbles. Creating the right foundation for AI means every business unit has the right framework and technology to speed uptime to insight.**

To fully realize the value of AI and ML across the entire organization — including new revenue streams and improved customer experiences—enterprises need to implement fully operational ML workflows.

However, it requires standardization; while at the same time supporting the experimentation required in the ML workflow and ensuring collaboration between your data scientists, developers, and IT operations professionals.

Addressing the entire ML lifecycle truly eliminates siloed environments. And to get ahead, and stay ahead of the competition, an ML Ops solution needs to build and adopt the best innovations from the open-source community without vendor lock-in.

Teams also require fast access to scalable, secure infrastructure no matter where data lives. By reducing the time to procure, set up, and deploy ML infrastructure, organizations can significantly improve productivity for data scientists and developers, thereby speeding the time to insight discovery.

Financial organizations require an end-to-end solution that brings speed and agility throughout the ML lifecycle—from pilot to production. HPE GreenLake now makes it possible to realize faster time to value with operationalized ML across your business.

**Learn how HPE GreenLake ML Ops can improve AI collaboration and development across your organization**

[Find out more](#)





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## HPE AND NVIDIA AI SOLUTIONS FOR THE FUTURE OF FINANCE AI

**Hewlett Packard Enterprise, in partnership with NVIDIA, is empowering insight on demand from edge to cloud. The HPE AI platform is a comprehensive solution featuring cutting-edge technologies, tools, and services that are designed to enable faster, smarter, safer financial services.**

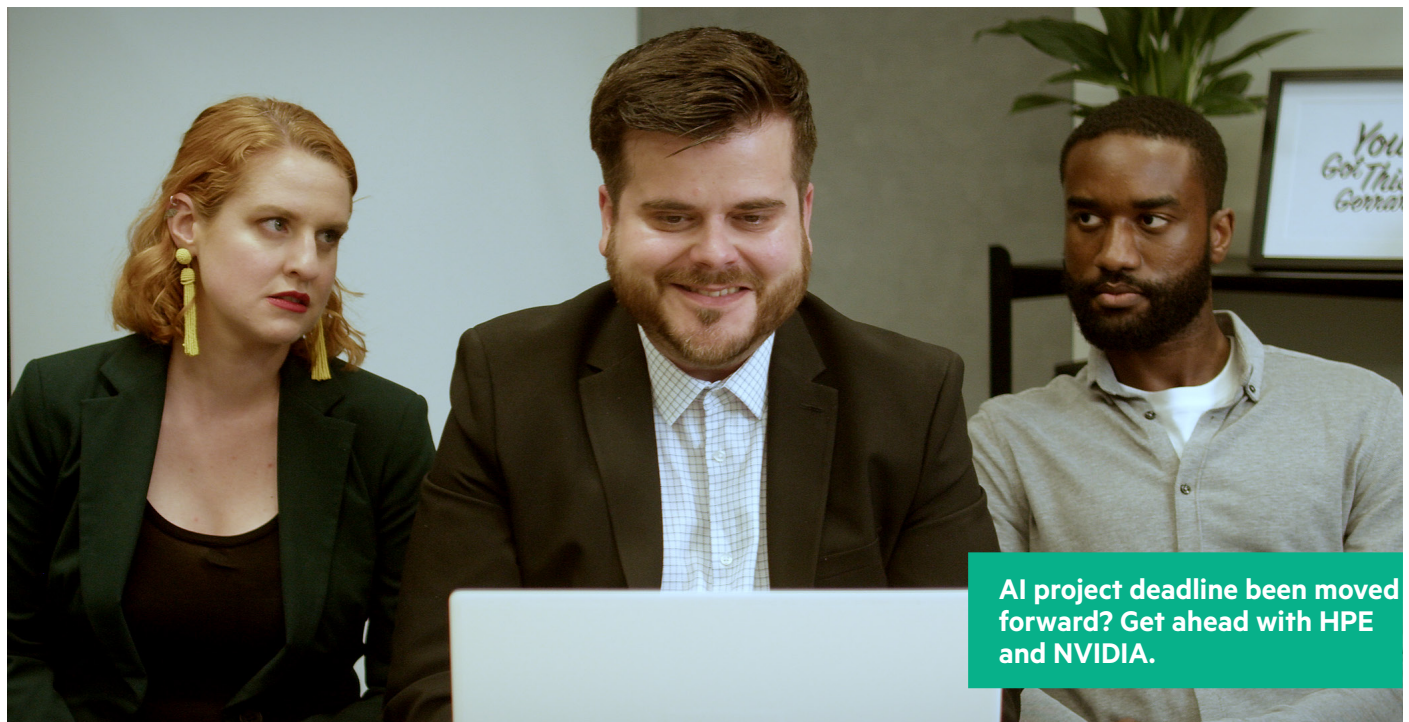
The HPE AI platform includes NVIDIA-Certified HPE Apollo 6500 systems and HPE ProLiant DL380 servers. Optimized for AI and data-intensive workloads, HPE systems deliver unmatched speed and capacity with industry-leading NVIDIA GPUs to automate critical aspects of your AI projects and scale as your business grows.

These robust platforms are NVIDIA-Certified to help ensure accelerated computing is enabled for a variety of high-performance finance applications. The HPE AI platform also features Cray ClusterStor E1000, which delivers maximum throughput to your GPU nodes with unprecedented efficiency.

This parallel high-performance computing (HPC) storage system was purpose-built to easily manage AI workloads at scale. AI software is validated and certified by NVIDIA, HPE Apollo 6500 systems, and HPE ProLiant DL380 servers to deliver GPU-accelerated performance. This makes it simple to build and deploy intelligent applications that are highly agile, flexible, and scalable. Organizations can configure DevOps and ML operations (ML Ops) software to fit their specific requirements, so data scientists can focus on their AI objectives, including model management and data management.

Supported by a rich independent software vendor (ISV) ecosystem, all software is tested for integration and functionality with NVIDIA GPUs. GPU-optimized software for AI simplifies IT deployment and management while optimized performance, helping data scientists, developers, and researchers get back to building solutions, gathering insights, and speeding uptime to value.

**HPE and NVIDIA provide every member of AI project teams with the tools they need to get ahead.**



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## ON-PREMISES CLOUD EXPERIENCE ACCELERATES YOUR AI PROJECTS

**HPE GreenLake for ML Ops is an on-premises end-to-end solution for data science that includes hardware, software, and services. It brings the cloud to the data center providing product managers, data scientists and IT managers with an enterprise-scale data science service that keeps data on-premises.**

The HPE GreenLake ML Ops service makes it easier and faster to deploy AI/ML workloads on-premises with a cloud experience: self-service, pay-per-use, scalable, and managed for you. The service platform integrates hardware, software, and service to enable data scientists to build, train and deploy ML workloads quickly and at scale. The offering supports the end-to-end data science lifecycle in a flexible design that provides data scientists with a single environment to work.

By removing the operational heavy lifting from each step of the ML process, HPE GreenLake for ML Ops provides the required

ML tools, making it easier to deploy high-quality ML models and enabling scientists to focus on building applications without worrying about provisioning and managing underlying Kubernetes clusters and associated infrastructure.

HPE GreenLake for ML Ops makes it easier and faster to get started with ML/AI projects and seamlessly scale them to meet organizational demands. Within your datacenter or colocation facility, your IT team can deploy AI/ML workloads on HPE's ML-optimized cloud service infrastructure featuring HPE Apollo hardware powered by HPE Ezmeral ML Ops – a solution that is designed to address all aspects of ML lifecycle, from data preparation to model building, training, deployment, monitoring, and collaboration. HPE GreenLake offers consumption-based pricing, allowing you to consume these resources on-premises with a cloud experience.

### Empower data scientists

Let data scientists focus on building models and not managing and configuring infrastructure. With HPE GreenLake for ML Ops, IT can quickly spin up containerized ML/AI environments with their choice of data science tooling and assign projects to data scientists.

### Enjoy elastic pricing and cost monitoring

Reserve the capacity you need and pay-per-use for the resources you consume. With the ability to view your metered usage and associated costs, you can tie usage to specific project budgets and objectives.

### Secure provisioning and management of your AI project

Offload monitoring and management of your data science environment. With HPE GreenLake for ML Ops, your environment is securely managed from HPE IT Operations Centers, and through HPE GreenLake Central security services.



**Bridge the gap between  
Data Scientists and IT**



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## CONCLUSION

**AI is here to stay and equipping teams with enterprise-ready, scalable solutions now, can significantly impact enterprise-wide transformation outcomes.**

HPE offer world-class expertise to help you design and implement the right approach for your AI capabilities. HPE experts work with you to plan and execute a successful AI strategy that fulfills board, data science and IT demands. We discuss your goals, identify problems, and determine the best technologies and services to create an ideal solution that is futureproof for many use cases.

Solutions from HPE and accelerated computing powered by NVIDIA help enhance your AI capabilities to tackle today's challenges and evolve for tomorrow's requirements.

These solutions are the foundation of a shared, centralized infrastructure for AI, which can be deployed in tandem with VDI, with the flexibility to be consumed in a pay-per-use model from HPE GreenLake.

Whether you are just at the beginning of your AI journey or deploying multiple AI-enabled applications, the HPE AI platform is expertly engineered to unleash better business outcomes.

**Let us help you achieve insight on demand through the value of AI. Register for an AI Digital Transformation Workshop delivered by HPE Pointnext Services to support your organization's AI ambitions.**

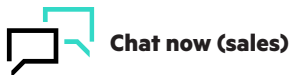
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