ACCELERATE INNOVATION WITH AI

Harness the power of AI and machine learning to move your business forward.

- **AI is exploding:** The adoption of AI and advanced analytics within organizations is expected to nearly triple over the next several years.[1]

- **Implementing AI is easier said than done:** 47% of AI projects never make it from pilot to production.[2] One of the top barriers to AI implementation is the complexity of integrating AI within existing infrastructure.[3]

- **The C-suite is focused on data and AI:** 70% of CEOs want their organizations to be more data-driven, and 87% of CXOs say their top priority for the next five years is being a more intelligent enterprise.[4]

- **AI will reshape enterprise technology:** AI will be one of the top workloads driving infrastructure decisions through 2023.[5]

HPE and VMware have a more than 20-year partnership, with solutions that span security, AI, VDI, hybrid cloud, storage, HCI, and more. Our integrated suite of flexible, scalable software, services, and solutions helps organizations build a truly digital business and deliver better customer and employee experiences.

TRANSFORMATION CAN NO LONGER WAIT

Business process, workforce automation, and analytics-driven decision-making are now vital for every industry, but organizations need AI and machine learning to advance their capabilities in these areas.

Artificial intelligence enables organizations to turn their data into a true strategic asset, one that helps them realize new operational efficiencies and capture powerful insights that transform their businesses. However, AI workloads are extremely data intensive and often run on complex, expensive infrastructures that are difficult to support and are increasingly costly to manage.

To overcome these challenges, organizations need a unified platform that empowers them to make their infrastructure more AI and future-ready.

WHY NVIDIA, VMWARE, AND HPE AI-READY ENTERPRISE PLATFORM?

AI-Ready Enterprise Platform combines the powerful capabilities of the NVIDIA AI Enterprise Suite with VMware vSphere®—the leading virtualization platform—to help organizations future-proof their infrastructure.

The NVIDIA AI Enterprise Suite is integrated into every layer of the platform, providing the software, server hardware, and container environment businesses need to securely and efficiently deploy AI and ML and modernize applications. AI-Ready Enterprise Platform also supports VMware Cloud Foundation™ (VCF), allowing organizations to streamline private and hybrid cloud deployments to democratize the use of AI within their organizations—with a consistent architecture, less complexity, and more flexibility.

Hosted on HPE ProLiant servers, the platform speeds the development of AI-driven applications and pools AI and existing business workloads into a single place for easier management and faster provisioning. It offers a range of benefits for organizations looking to accelerate AI adoption:

USE CASES

Demand forecasting
Natural Language Processing
Smart factory
Image recognition
Smart grid management
Dynamic pricing
Predictive maintenance
Real-time patient data alerts
Cross-selling/Upselling
Risk analytics

Source:

1. Gartner Inc. "AI in Organizations," 2019.
2. HPE VMware Sales Messaging Playbook, pg. 13 [No source footnoted]
3. Gartner Inc. "AI in Organizations," 2019.
4. IDC, 2020.
5. Gartner Predicts the Future Of AI Technologies
6. https://www.hpe.com/us/en/alliance/vmware.html

Simplified Management

AI-Ready Enterprise Platform allows customers to use virtualization to fold AI deployments into their core infrastructure and easily move workloads between public and private clouds and on-prem.

The platform creates a standardized approach to AI that fuels innovation, as VMs host AI apps and deploy infrastructure to meet dynamic industry, customer, and operational demands.

Streamlined Deployments

Customers can leverage AI-Ready Enterprise Platform to deploy and manage AI workloads with optimized software in a familiar VMware vSphere® environment on proven HPE ProLiant systems to maximize investments in their existing platforms.

The HPE ProLiant intelligent AI/ML compute foundation enables customers to configure and optimize workloads at the click of a button, seamlessly monitor and manage servers, monitor and optimize workload performance in real time, and secure their systems. Our research has shown that integrating AI can lead to a 5X faster deployment time.

Improved AI Performance

With our joint solution, customers can virtualize AI workloads with minimal to zero impact on the performance of AI/ML applications—achieving basically the same performance as bare metal–hosted applications.

AI-as-a-Service

HPE GreenLake for analytics helps customers looking to adopt an AI-defined infrastructure to meet their need for predictable decisions with continuous availability of infrastructure services, reduced risk of disruption, increased financial agility to minimize CapEx, and optimally consumed infrastructure in an OpEx model.

DRIVE AI-LED INNOVATION WITH HPE, VMWARE, AND NVIDIA

With powerful solutions from the edge to core to cloud and a more than 20-year partnership, HPE and VMware are uniquely positioned to help companies seamlessly integrate AI into their operations:

- **A storied partnership:** Selling more than 500,000 VMware licenses in the last five years, HPE is the global leader in server virtualization solutions based on VMware technology. HPE and VMware also share one of the largest joint channel partner communities.

- **Simplifying innovation:** HPE cloud and data center innovations and VMware's turnkey virtualization solutions speed time to value and enable organizations to better deploy AI to drive automation and business transformation.

- **Empowering your team:** Our joint solution delivers accelerated performance and a better environment for data scientists to execute their workloads, with the NVIDIA tools they are already using. IT teams can deliver a familiar VMware environment that outperforms bare metal servers on an HPE ProLiant foundation that is easier and safer to deploy and manage.

- **Industry-leading experience and support:** The combined expertise of HPE and VMware delivers the industry's most complete portfolio of integrated virtualization and cloud solutions and services and consistent support for customers' AI initiatives.[6] Customers also can achieve a cloud experience within a consumption-based IT model to reduce internal resource constraints and benefit from a similar level of security and control as on-premises IT.

LEARN MORE AT OUR HPE AND VMWARE ALLIANCE SITE
https://www.hpe.com/us/en/alliance/vmware.html

Hewlett Packard Enterprise