DELLTechnologies

Unleash AI in Financial Services with an End-to-End Platform

AI-Ready Enterprise Platform from Dell Technologies, NVIDIA and VMware

Financial services organizations require a foundational platform that supports a complete array of core services, with infrastructure that can encompass today's critical applications and be ready for artificial intelligence (AI) in the future.

The AI-Ready Platform unlocks the power of AI by providing a jointly developed, end-to-end enterprise platform that is optimized for AI workloads. The integrated platform includes NVIDIA® AI Enterprise suite, optimized and certified for VMware® vSphere® running on NVIDIA-Certified Systems™ from Dell Technologies.

Move from AI-Possible to AI-Proven

Whether you're new to AI or ready to take it to the next level, Dell Technologies can help you accelerate intelligent, automated outcomes with solutions that help you put data first, manage the data lifecycle and decide with data.

Build the next generation of financial services.

AI is fundamentally changing the financial services industry, driving benefits directly to the top line with smarter trading and better cross/upsell opportunities and to the bottom line with improved fraud detection and better collections services, all while providing customers with faster, smoother and more consistent services enabled by alternative data and deeper analytics. Although evolving needs require that financial services organizations invest in and explore new AI services, limited budgets, lack of familiarity with data science tools and siloed organizational infrastructures lead to struggles with identifying solutions that can enable success and deliver a rapid return on investment. In addition, AI solutions need to provide robust security features to address the pervasive, expansive security threats that can put IT systems at risk for data leaks.

The AI-Ready Enterprise Platform from Dell Technologies, NVIDIA and VMware offers end-to-end hardware and software solutions that financial services institutions need to modernize and accelerate IT. This integrated platform delivers best-in-class AI software, the NVIDIA AI Enterprise suite, optimized and certified for the industry's leading virtualization platform, VMware vSphere. The solution is built on NVIDIA-Certified and accelerated Dell PowerEdge servers to help developers build AI and high-performance analytics faster and scale modern workloads on the same VMware vSphere infrastructure they've already invested in, while delivering enterprise-class manageability, availability and security.

PERFORMANCE   **SECURITY**   **MANAGEABILITY**   **SCALABILITY**

Key Benefits

- **Deploy with confidence:** Leverage a joint solution to deploy and manage AI workloads with optimized software for financial services.

- **Boost AI performance:** Achieve near bare-metal performance for AI training and inference.

- **Scale without compromise:** Enable larger, more complex AI training and analytics with new scale-out capabilities.

Learn More

delltechnologies.com/ai

NVIDIA Launchpad

Solution Partner

NVIDIA.

Enabling technologies

NVIDIA AI Enterprise Suite

NVIDIA AI Enterprise is an end-to-end, cloud-native suite of AI and data science tools and frameworks optimized and exclusively certified by NVIDIA to run on VMware vSphere with NVIDIA-Certified Systems. It includes key enabling technologies and software from NVIDIA for the rapid deployment, management and scaling of AI workloads in the modern hybrid cloud.
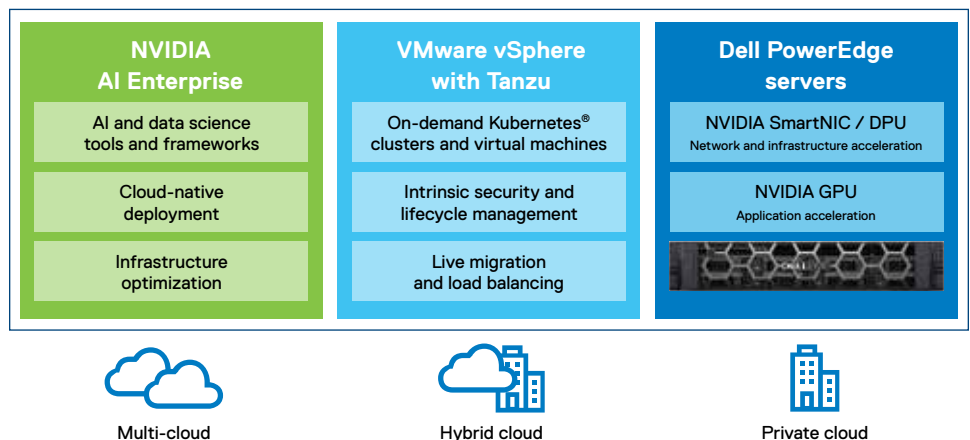
GPU-accelerated Dell PowerEdge servers

NVIDIA-Certified PowerEdge Systems bring together NVIDIA GPUs, NVIDIA ConnectX® smart network interface cards (SmartNICs), and the NVIDIA BlueField® data processing units (DPUs) in optimized configurations. These servers are validated for performance, manageability, security and scalability and are backed by enterprise-grade support from NVIDIA and Dell Technologies.

VMware vSphere with Tanzu

VMware vSphere with VMware Tanzu™ runs more than 70 million workloads across hundreds of thousands of organizations worldwide. VMware vSphere transforms bare-metal servers into centrally managed AI and machine learning infrastructure pools that can quickly provision virtual machines and containers on demand. VMware vSphere optimizes performance, increases availability, tightens security, streamlines maintenance and reduces costs to create an agile, efficient, resilient and secure infrastructure platform that supports existing workloads and next-generation applications, such as AI.

With the AI-Ready Enterprise Platform from Dell Technologies, NVIDIA and VMware, developers, data scientists and researchers can access the resources they need to build and deploy AI applications efficiently, and IT administrators can confidently deliver uncompromised security and support with tools and infrastructure they know well. This comprehensive solution advances financial services institutions' ability to better serve customers and improve mission-critical outcomes.

NVIDIA AI Enterprise	VMware vSphere with Tanzu	Dell PowerEdge servers
AI and data science tools and frameworks	On-demand Kubernetes® clusters and virtual machines	NVIDIA SmartNIC / DPU Network and infrastructure acceleration
Cloud-native deployment	Intrinsic security and lifecycle management	NVIDIA GPU Application acceleration
Infrastructure optimization	Live migration and load balancing	

Multi-cloud   Hybrid cloud   Private cloud

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