

Dell Technologies and NVIDIA

Dell Technologies and NVIDIA have been working together closely for many years to target some of the world's most complex parallel computing problems.

Manage and Scale AI at the Edge

With Dell EMC PowerEdge Servers and NVIDIA Fleet Command

Deploy AI at the edge.

Deploying artificial intelligence (AI) at the edge opens up a whole new world of possibilities. Edge deployments of AI can give you real-time, actionable insights at the point of decision, with lower latency and costs than transferring data back and forth between the data center and cloud. But limited staffing and harsh environments can make it difficult to turn your vision of edge AI into a reality.

NVIDIA® Fleet Command™ is a hybrid cloud platform for managing and scaling AI deployments across dozens or up to millions of servers and edge devices. This hybrid cloud, software-as-a-service (SaaS) enables deploying, managing and scaling AI at the edge from a single, web-based control plane. By deploying NVIDIA Fleet Command with accelerated Dell EMC PowerEdge servers, IT admins can take secure, remote control, simplifying deployment and powering resilient AI across the network in just minutes.

Adaptive compute

Dell EMC PowerEdge servers are engineered to optimize the latest technology advancements across processor, memory, networking, storage and acceleration to deliver predictable outcomes. They help you deliver real-time business value across your infrastructure on-premises, at the edge and across hybrid clouds with technology that scales to address data collection, access and analytics at the point of need.

Autonomous management

Dell Technologies systems management helps you respond rapidly to business opportunities with intelligent systems that work together and independently to deliver outcomes aligned with business priorities, freeing IT to stop managing and start innovating. NVIDIA Fleet Command reduces the learning curve with simplified and centralized AI management and one-touch provisioning that streamlines setup to accelerate time to AI.

Proactive resilience

Dell EMC PowerEdge servers embed trust into your digital transformation with an infrastructure and IT environment designed for secure interactions and the capability to anticipate potential threats. This security starts at concept design and continues through the supply chain and throughout the full lifecycle. NVIDIA Fleet Command enhances protection with built-in, end-to-end security features that protect application and sensor data. Plus, it features self-healing, resilient environments to reduce downtime and maintenance costs.

Learn more

- [Design Guide—Delivering Edge AI with NVIDIA Fleet Command](#)
- [Dell EMC PowerEdge servers](#)
- [NVIDIA Fleet Command web page](#)
- [NVIDIA Fleet Command datasheet](#)

- [Retail Loss Prevention](#) empowers retailers to cost-effectively reduce inventory loss at store checkout lanes with AI-driven software and hardware technology.

- [Intelligent Video Analytics](#) at the edge enables you to use AI to create safer and smarter work, play and living environments — sooner and with better results in retail, healthcare, manufacturing, public safety and other industries.

- [AI InfoHub](#)

Power the edge with PowerEdge and NVIDIA Fleet Command

Dell Technologies [qualifies](#) multiple Dell EMC PowerEdge servers through [NVIDIA Certified Systems](#) and [NGC Ready Systems](#) validation programs. You can confidently power your enterprise with NVIDIA Fleet Command and a wide selection of PowerEdge servers, including R650, R750xa, R6515, R6525, R7525, R940xa, DSS 8440, XE2420, R640, R740 and R740xd servers.

[Go rugged with XR-series industrial servers.](#) Small in size, but packed with power, [the XR12](#) is the definitive rugged two-socket server. It provides premium attributes along with ample CPU horsepower, memory capacity, drive capacity, and I/O — it's a vital companion for military/defense and maritime environments, for when you need your data center far away from the data center.

[PowerEdge XE2420 edge server:](#) Ideal for edge including harsh environments from 5°C to 40°C (41F to 104F), this dual-socket server delivers powerful performance for edge workloads such as streaming analytics, demanding retail applications, manufacturing logistics and 5G applications. It's the shortest depth 2S server in the PowerEdge portfolio, supporting up to four NVIDIA T4 Tensor Core GPUs.

[PowerEdge R7525 server:](#) The two-socket/2U R7525 can handle any application in the data center. Given the performance boundaries created by 2x AMD EPYC™ processors, up to 8x PCIe Gen4 slots for NVIDIA T4 Tensor Core GPUs, and 4TB of memory, the R7525 is perfect for AI and analytics applications.

Find your edge with [Dell EMC PowerEdge servers](#) with [NVIDIA T4 Tensor Core GPUs](#) inside, delivering up to [40X times](#) better throughput, so more requests can be served in real time.

Don't delay. Deploy AI at the edge today.

Dell EMC PowerEdge servers with NVIDIA Fleet Command make it easy to manage, scale and maintain your entire AI deployment. You don't have to go it alone. [Dell Technologies Services](#) — ranging from consulting and education to deployment and support — are available when and where you need them.

