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#### THE AI FACTORY THAT BRIDGES DATA TO VALUE

Examine AI's impact on the business landscape, its challenges and opportunities, and how organizations can leverage AI to transform data into business value.

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# Dell shares its vision of the AI factory powered by NVIDIA

BrandPost • By [DELL Technologies](#) and [NVIDIA](#)

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Artificial Intelligence



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Factories have been the bedrock of many industries from manufacturing to automotive. But just as factories have fueled the industrial revolution, a new factory will be powering a new transformation in the age of AI: AI factories. With the right AI investments marking the difference between laggards and innovative companies, deploying AI at scale has become an essential strategy in today's business landscape.

This development is due to traditional IT infrastructures being increasingly unable to meet the ever-demanding requirements of AI. As a result, AI factories will eventually take their place, serving as key market differentiators while driving unprecedented efficiencies. Rather than produce physical goods, however, AI factories will create actionable intelligence, exciting content, and fresh insights—information businesses need to make crucial decisions and seize new opportunities.

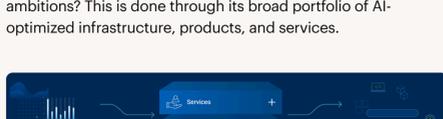
## Increasing the pace of AI adoption

If the headlines around the new wave of AI adoption point to a burgeoning trend, it's that accelerating AI adoption will allow businesses to reap the full benefits of their data. This is why Dell Technologies developed the [Dell AI Factory](#) with NVIDIA, the industry's first end-to-end AI enterprise solution. This is Dell Technologies' approach to helping businesses of all sizes enhance their AI adoption, achieved through the combined capabilities with NVIDIA—the building blocks for seamlessly integrating AI models and frameworks into their operations.

In addition to Dell Technologies' compute, storage, client device, software, and service capabilities, NVIDIA's advanced AI infrastructure and software suite can help organizations bolster their AI-powered use cases, with these powered by a high-speed networking fabric. By offering organizations greater control over their data, the Dell AI Factory is a more affordable alternative to public cloud solutions for businesses regardless of their size. This also allows companies to build their own AI factories and create transformative outcomes at scale, consistently.

## Behind the Dell AI Factory

How does the Dell AI Factory support businesses' growing AI ambitions? This is done through its broad portfolio of AI-optimized infrastructure, products, and services.



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- **Fuel the AI factory with data:** The success of any AI initiative begins with the quality of data. That's why data management is such an integral part of the AI journey, with a set and tools that will help companies unlock true value from their data. The Dell AI Factory brings AI as close as possible to where data resides to minimize latency, secure proprietary information, and reduce costs. As these data are kept within a controlled environment, businesses can navigate the data management journey easily by ensuring they are working with high-quality, accurate data, with data governance built in at every stage.

- **Build an AI-optimized infrastructure:** As the first layer of the Dell AI Factory, businesses need a flexible infrastructure that lets their AI workloads be run anywhere from desktop to data center while accommodating AI's ever-changing demands. To build an AI-optimized infrastructure that can extract the most insights, organizations should identify the AI use cases they are employing, decide on the AI model for their operations, and right-size their investments. This can mean deploying their AI models on laptops or servers with a large number of GPUs, such as the [Dell PowerEdge XE9680](#).

- **Integrate seamlessly through the open ecosystem:** As the second layer of the Dell AI Factory, an open ecosystem offers businesses access to a comprehensive ecosystem, from colocation and hosting providers to a global systems integrator community. This helps companies identify suitable partners who can simplify AI deployment and operations.

- **Manage AI initiatives with services:** It's challenging to get AI off the ground without a skilled team, but the reality is that AI-ready talent is often in short supply. The professional services in Dell AI Factory will guide businesses through the AI journey by offering expert assistance across stages such as strategy, implementation, management, and scaling.

- **Deploy the right use cases:** Use cases, such as content and code creation, digital assistant, and digital twins, determine the strategy, technology, and tools businesses would need to deploy their AI initiatives. The Dell AI Factory lets organizations tailor their enterprise-grade AI solutions by helping them identify and prioritize use cases that can elevate their business outcomes. Dell Technologies' suite of validated solutions can simplify the deployment of these use cases, so you can scale your AI with ease.

## The next frontier of AI innovation

More than just a set of services and products, the Dell AI Factory is a means to help businesses harness the full potential of AI. Together with NVIDIA, the solution offers server, storage, networking, workstation, services and validated solutions that can drive AI innovation. This includes the new [Dell PowerEdge XE9680L](#), which delivers high performance powerful enough to handle large-scale AI deployments; [Dell NativeEdge](#), the first edge orchestration platform that helps IT teams deploy AI applications at the edge; and the [Dell Generative AI Solution for Digital Assistants](#), which can simplify AI application development and deployment. [See how the Dell AI Factory with NVIDIA can get your AI initiatives up and running quickly.](#)

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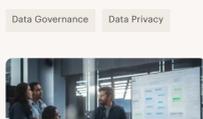
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