DELL Technologies

Take advantage of AI innovation with digital twins.

Digital twins are virtual representations of real-world entities and processes, synchronized at a specified frequency and fidelity.

The digital twin sector is expected to reach over **$140 billion** by 2031[1].

Deliver a wide range of business benefits.

- Mitigate risks
- Improve customer service
- Optimize operations
- Increase design quality
- Enhance security
- Reduce time-to-market

5 capabilities that lead to success.

1 Data ingestion
A network of sensors positioned throughout processes or assets in edge environments, used to collect real-time operational and environmental data from the physical world.

2 Data aggregation
Data collected is then compiled and aggregated with other pertinent data sources to provide a comprehensive representation of the asset or process.

3 Integration technology
Employed to transmit data between the physical and digital realms. Includes edge computing, communication interfaces and security measures.

4 Models and analytics
The model underlying the digital twin generates the data used by the application to provide actionable insights and visualizations.

5 Presentation layer
The presentation layer can either trigger, modify, or inform physical entities and processes.

The Dell AI Factory with NVIDIA

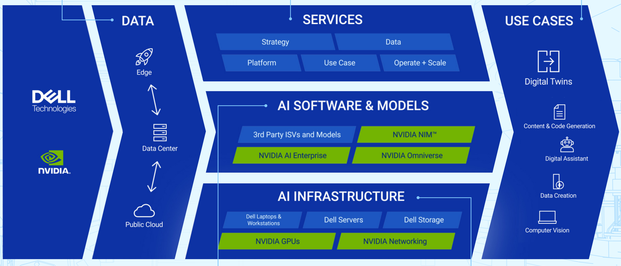
A foundation for modern AI computing

The industry's first end-to-end AI enterprise solution.

Harness the value of data, which is increasingly generated at the edge.

Maximize the value of AI use cases with the insight and skills of Dell Services.

Power AI inferencing at the edge to fuel digital twins.



Automate AI workflows with an ecosystem of AI software and tools.

Run AI anywhere with an end-to-end AI-optimized infrastructure portfolio.

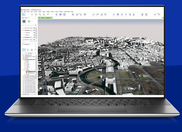
Enable faster, more efficient AI innovations.

Dell NativeEdge

Securely scale infrastructure and orchestrate AI applications across any location.

Dell NativeEdge Blueprints

Automate the deployment of digital twin frameworks and applications, such as NVIDIA NIM™ and XMPro.



NVIDIA Omniverse

Build applications for complex 3D and industrial digitalization workflows.

Harness the power of Dell infrastructure

with software and services purpose-built to achieve your AI outcomes.

DELL Technologies **AI Factory** WITH NVIDIA

Take advantage of cutting edge AI innovation with digital twins.

Visit Dell.com/NVIDIA-AI →

Visit Dell.com/NativeEdge →

1 *Research and Markets, "Digital Twin Market Size and Forecast 2021-2031, Global and Regional Share, Trend, and Growth Opportunity Analysis Report", June 2024*