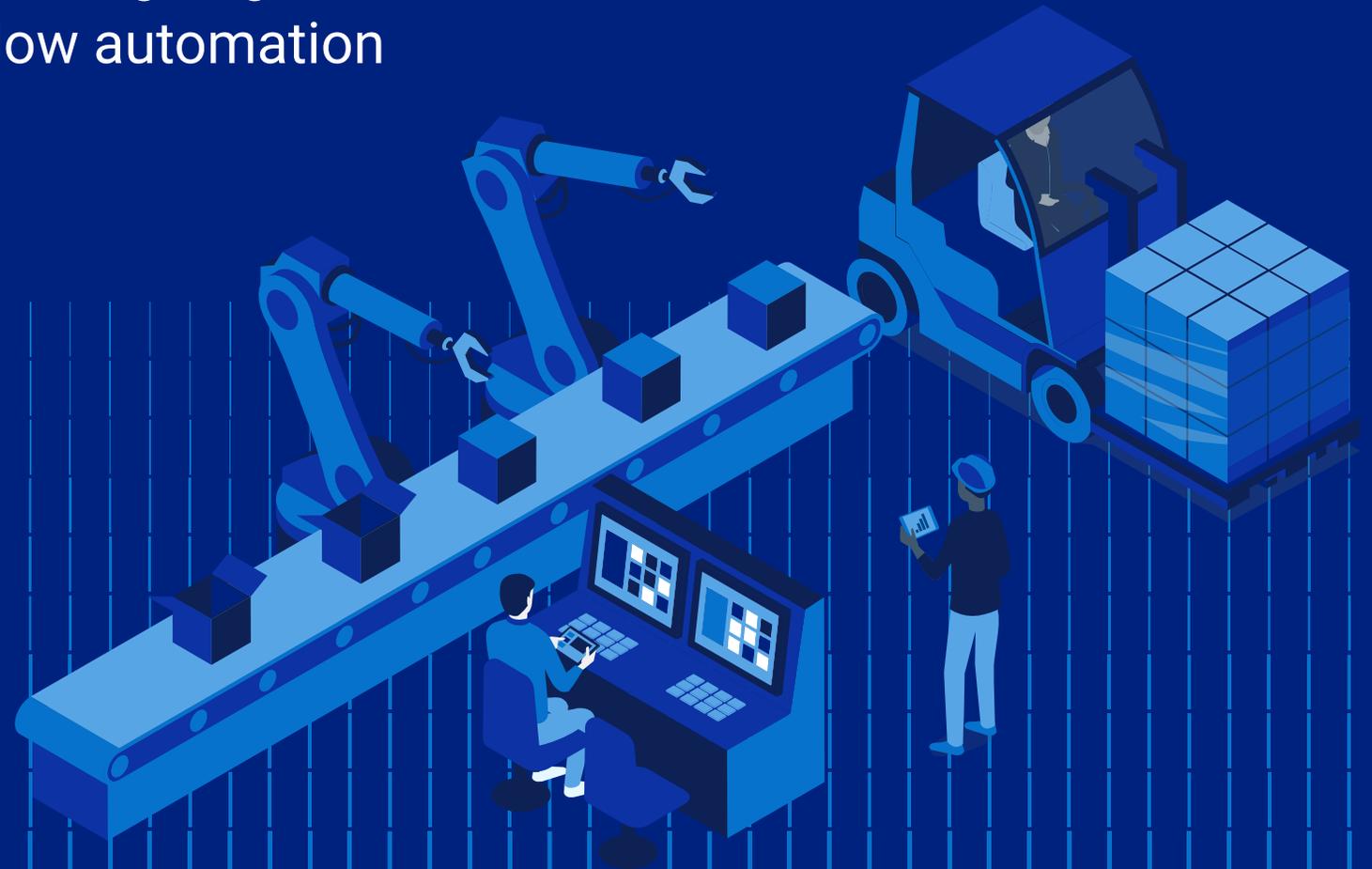


Fuel AI Innovation

Dell AI Factory with NVIDIA: Reimagine the speed of business with cutting-edge AI innovation and scalable AI workflow automation



The Dell AI Factory with NVIDIA

Accelerating AI adoption allows you to extract the full potential of your data

The Dell AI Factory with NVIDIA speeds AI adoption by delivering integrated Dell and NVIDIA® capabilities to accelerate your AI-powered use cases, integrate your data and workflows and enable you to design your own AI journey for repeatable, scalable outcomes.



Drive growth



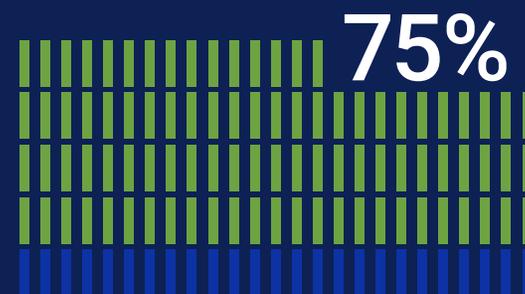
Enhance experiences



Optimize productivity



Accelerate innovation



of organizations say AI/GenAI has become key to their business strategy.¹



of organizations experience challenges when integrating AI/GenAI into their business strategies¹



savings with Dell AI Factory vs. public cloud²



of organizations are already using agentic AI and another 44% are planning adoption within the next year³

Dell Technologies and NVIDIA have a long-standing partnership with **more than 25 years of joint innovation**, focused on accelerating innovation and delivering cutting-edge platforms, solutions and software that enable transformative results for our joint customers.

¹ Dell Technologies survey across 2,850 business and IT decision-makers across 40 locations, all segments, June 2025.

² Based on Principled Technologies' paper commissioned by Dell, [Make GenAI investments go further with the Dell AI Factory](#), comparing the TCO for on-premises Dell infrastructure using a Dell AI Factory solution versus a similarly configured public cloud solution, May 2025. Actual results may vary.

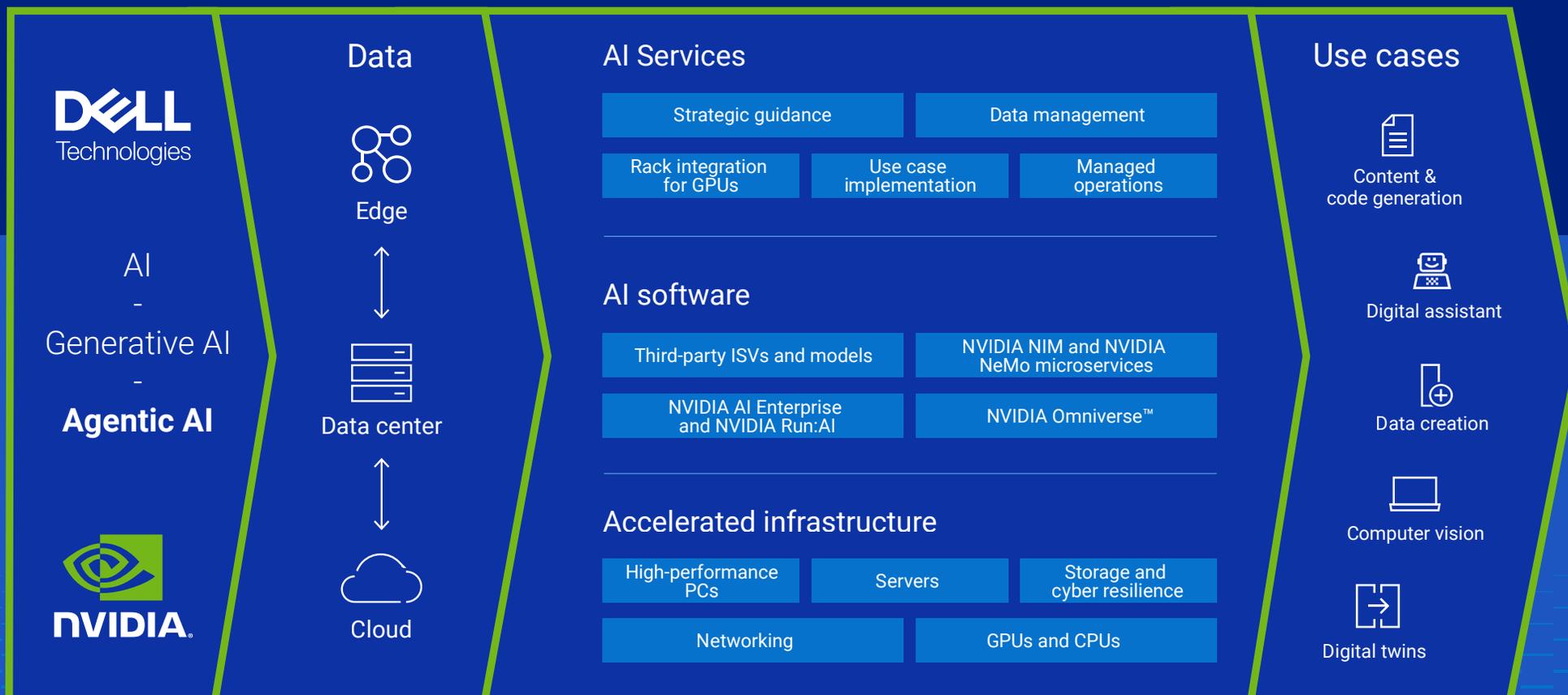
³ BSS&C Blue Prism, [AI Agents and Agentic Survey Statistics 2025](#), March 2025.

The Dell AI Factory with NVIDIA

Accelerate the AI journey

The Dell AI Factory with NVIDIA is the industry's first end-to-end enterprise AI solution. It delivers a comprehensive portfolio of AI technologies, validated and turnkey solutions, with expert services to help you achieve AI outcomes faster.

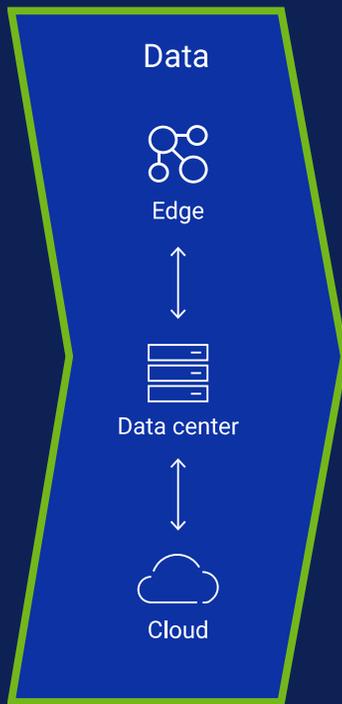
Extend your enterprise with AI, GenAI and agentic AI at scale, powered by the broad Dell portfolio of AI infrastructure and services with NVIDIA industry-leading accelerated computing, a full stack that includes GPUs; networking; and NVIDIA AI Enterprise software, NVIDIA NIM and NeMo Microservices, models and agent blueprints.



Sustainability | Security

Your data is your differentiator

AI starts with better data management and preparation. The ability to accelerate business decisions through the utilization of robust, accurate and comprehensive data sets will distinguish industry leaders from the rest.



Data fuels the AI factory

Your most valuable data often resides on-premises and at the edge – places where you have exclusive ownership. This can minimize latency and ensure sensitive information remains secure.



Managing data

Your data management journey is not a one-time task but an ongoing process, utilizing a set of practices and tools to help your organization continuously unlock value from your data. Effective data management is crucial for any successful agentic AI initiative.

Dell Technologies, in collaboration with NVIDIA, helps organizations like yours navigate the data management journey with ease. In the realm of AI-driven data workloads, the journey is just as important as the destination.

The Dell AI Factory with NVIDIA works with Dell data lakehouse strategies to help manage and visualize data and be prepared for agentic AI ingestion with Dell Services and partners. Data storage is enhanced further with AI-ready Dell PowerScale, delivering high-performance, certified platforms for AI Factory as well as NVIDIA DGX Pod, DGX Superpod and OVX systems.

Outcomes powered by use cases

Simplify the deployment of your most important AI uses cases with validated solutions and tailored services.



Content and code generation

- Curate branded content.
- Enhance content personalization.
- Update market reports.
- Aggregate industry news.
- Monitor competitive activities.
- Integrate enterprise systems.
- Automate testing processes.
- Facilitate code refactoring.
- Enhance security protocols.
- Streamline database queries.



Digital assistant

- Provide customer-facing support.
- Utilize training and education.
- Optimize scheduling with an assistant.
- Track project deadlines.
- Automate routine tasks.



Data creation

- Enhance business intelligence.
- Streamline project research.
- Facilitate legal queries.
- Optimize procurement searches.
- Improve financial analytics.



Computer vision

- Detect theft.
- Visually inspect equipment and products.
- Automate mechanical operations.
- Analyze worker safety.
- Monitor road conditions.



Digital twins

- Customer experiences.
- Product development and prototyping.
- Maintenance and operations.
- Logistics and supply chain.
- Training and guidance.

Use cases



Content & code generation



Digital assistant



Data creation



Computer vision



Digital twins

AI-optimized infrastructure

Infrastructure is the foundation of the AI factory. Right-size your AI investment with the flexibility to run your workloads anywhere through the broad Dell AI portfolio from desktop to data center to cloud.

Identify the use case

What are the infrastructure requirements for your desired business outcome?



Decide what AI model/type you need

With an understanding of your business goals and use case, you can determine the right balance of performance and cost.



Right-size your investment

Some models can be deployed on laptops, some will require a large number of GPUs, like the 8x GPUs featured on the Dell PowerEdge XE9680. It really depends on what you're trying to accomplish. This is where the AI factory framework becomes helpful.

Infrastructure



Dell Pro Max

Jumpstart AI development on-prem with the #1 workstations in the world,⁴ that feature NVIDIA's most powerful professional graphics



Dell PowerEdge servers

Maximize AI acceleration and future-proof your AI infrastructure with NVIDIA B300 and RTX Pro Blackwell Server GPUs



PowerScale & Dell AI Data Platform with NVIDIA

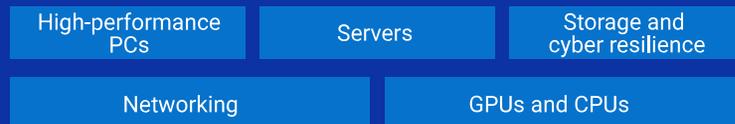
Seamless access to structured and unstructured data—with support for NVIDIA RAG, VILA, Llama Nemotron and built-in connectors and integrations



Dell PowerSwitch SN5600

High-performance AI fabric with 64x 800GbE delivers speed at scale—backed by a seamless, end-to-end customer experience

Accelerated infrastructure



⁴ Based on IDC Worldwide Quarterly Workstation Tracker, Feb 2025 – Units.

Kickstart AI development locally with Dell Pro Max

Exceptional performance

Engineered and configurable to power your AI tasks effortlessly

Certified reliability

100+ ISV applications tested for seamless performance

Unmatched security

The industry's most secure & manageable commercial AI PCs

Scalability for your AI goals

Functional infrastructure within the Dell AI Factory with NVIDIA

Dell Pro Max high-performance PCs empower AI development and innovation from desk to data center. Ideal for local AI prototyping, they reduce cloud costs and security concerns, while enabling you with the tools to build and experiment confidently with NVIDIA AI software platforms.

Start at the edge with Dell Pro Max PCs and scale effortlessly to enterprise-level AI through the Dell AI Factory with NVIDIA, streamlining integration and accelerating growth as your AI needs evolve.



Tailored AI power for every workflow

Dell Pro Max high-performance PCs with NVIDIA RTX Pro Blackwell graphics



Tiny powerhouse, massive AI power

Dell Pro Max with GB10 Powered by NVIDIA Grace Blackwell architecture

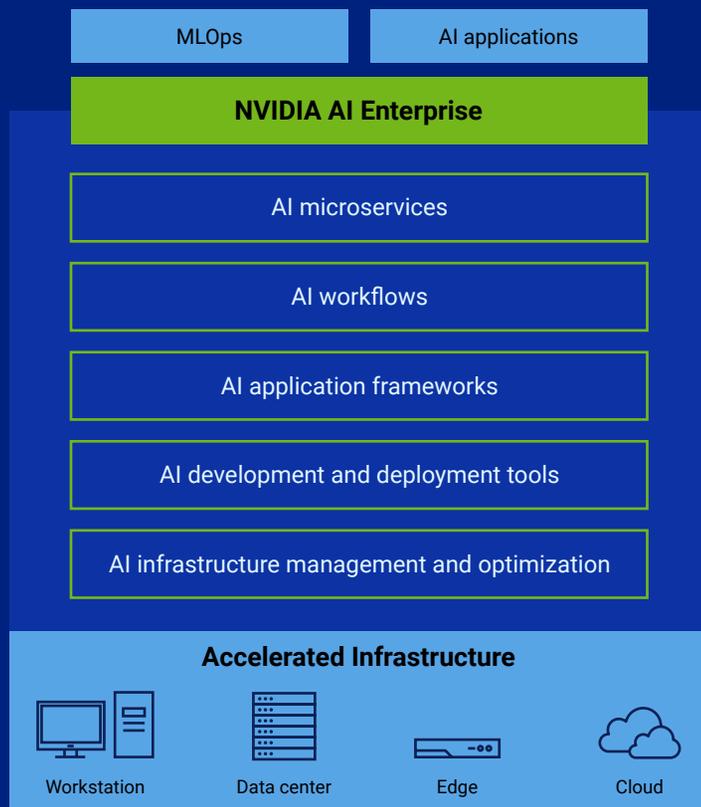


Data center-level AI power at the desk

Dell Pro Max with GB300 Powered by NVIDIA Grace Blackwell architecture

NVIDIA AI Enterprise – the Operating System for AI

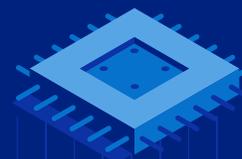
Flexible and robust end-to-end platform for enterprise AI



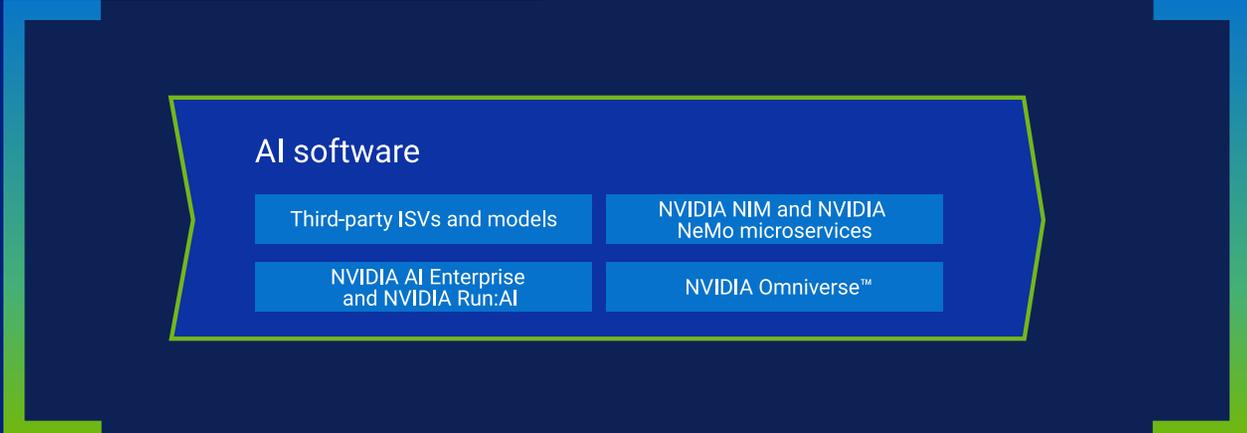
The cloud-native software platform is designed to accelerate data science pipelines and streamline the development and deployment of production-grade AI applications.



Easy to use microservices provide optimized model performance and industry-standard APIs to ensure a smooth transition from prototype to production.



Secure software lifecycle, end-to-end manageability and enterprise support enable organizations to confidently build and run AI solutions.



Fast-track your AI adoption – desktop to data center to cloud

Quickly get up and running and give your teams hands-on experience with a local prototype environment. Start building organization skills with a clear understanding of data pipelines and business processes, enabling you to seamlessly scale as your needs grow.



Simple development launchpad

Perform local prototyping in a safe and secure environment.



Develop and prepare to scale

Rapidly build AI and data workflows with container-based microservices.



Deploy in the enterprise

Orchestrate and optimize with a scalable infrastructure framework.



High-performance PCs & Software

Dell Pro Max & Dell Pro AI Studio



Compute

PowerEdge & NVIDIA GPUs



Storage

PowerScale/PowerStore



Networking

NVIDIA Spectrum-X /
NVIDIA Quantum InfiniBand

Scale as you grow with a broad portfolio designed for a wide range of workloads.

Combined, scalable infrastructure and microservices architecture



Simple development launchpad



Develop and prepare to scale



Deploy in the enterprise

High-performance PCs & Software

Dell Pro Max & Dell Pro AI Studio

Compute

PowerEdge & NVIDIA GPUs

Storage

PowerScale/PowerStore

Networking

NVIDIA Spectrum-X / NVIDIA Quantum InfiniBand

Evaluate model

NVIDIA API catalog

Export model as NVIDIA NIM

NVIDIA NGC catalog

Test and customize AI workflow

NVIDIA NIM Agent Blueprints

Run AI workflow in production

NVIDIA NIM and NeMo Microservices

Customize model

NVIDIA NeMo Microservices

Take the guesswork out of building your own AI tools with open source. Instead, take advantage of having these different aspects integrated and connected, making it simpler and easier to find success with a comprehensive solution for deploying GenAI and agentic AI applications at scale.

The rise of agentic AI

By 2028, 33% of enterprise software applications will include agentic AI,⁵ redefining how businesses work and compete. According to Forrester, agentic AI represents more than just an efficiency play — it signals a fundamental shift in how enterprises compete, operate, and deliver value.⁶

So what is agentic AI? Unlike traditional or even generative AI, agentic AI is **autonomous, adaptive and goal oriented**. It doesn't just follow commands — it takes initiative, learns from context and optimizes its actions to meet business objectives. It's like an intelligent collaborator capable of **enhancing human decision-making**, automating repetitive tasks and driving continuous improvement across workstreams.

Agentic AI allows organizations to **embed business knowledge, data and procedures into intelligent systems** that act with purpose. As the workforce evolves, employees will increasingly coordinate a network of AI agents, each handling different tasks—from customer service to supply chain optimization.



Agentic AI

Coding assistant

Customer service

Patient Care

Cybersecurity

Supply chain management

Dell and NVIDIA provide the foundational tools to bring agentic AI to life:

NVIDIA Blueprints for a fast start

NVIDIA NeMo Framework for large language model customization

NVIDIA NIM microservices for scalable AI deployment

⁵ Gartner, Top Strategic Technology Trends for 2025: Agentic AI, Oct 2024.

⁶ Forrester Trends Report, "Agentic AI Is Rising and Will Reforge Businesses That Embrace It", March 2025.

The generative AI and agentic AI journey

Dell Technologies has extensive experience guiding customers through their AI journeys so you can quickly accelerate outcomes by aligning business objectives with the right technical solutions at scale.



Establish strategy

With Dell Advisory Services, align and prioritize your high-priority use cases.

Prepare data

Prepare data for agentic AI models seamlessly with the help of Dell Data Preparation Services, ensuring valid and impactful data outputs.

Agentic AI platform

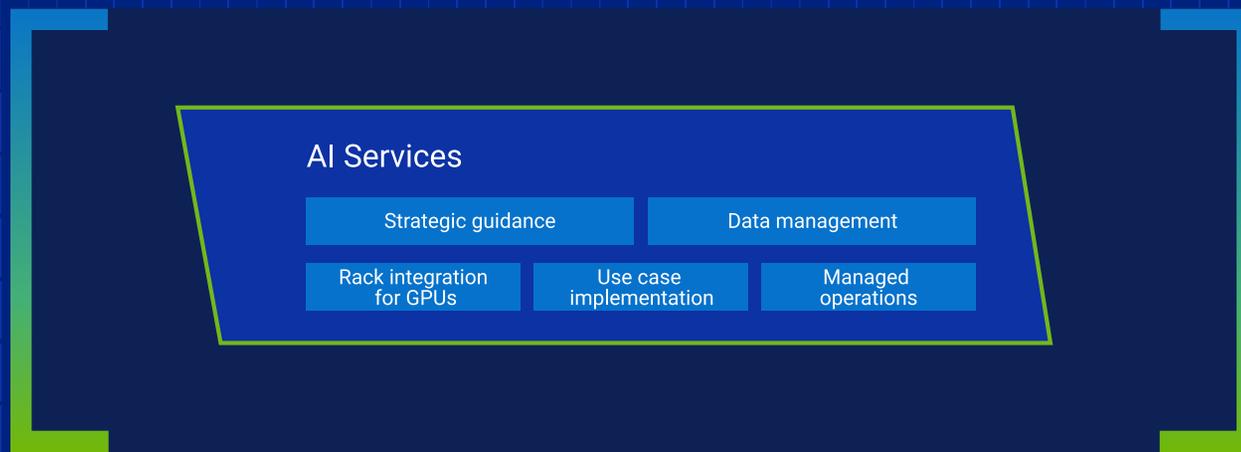
Use Dell Implementation Services to determine the necessary hardware and software for your agentic AI platform.

Deploy & test models

Ensure seamless integration and peak performance with the assistance of Dell Implementation Services.

Operate & scale

Agentic AI processes expand capabilities and streamline operations by engaging with Dell Managed Services, training or resident experts.



Two ways to get started today

Rapidly start delivering organizational value with Dell AI Factory with NVIDIA.

Strategic planning

Accelerator Workshop for Generative AI

- Start your journey by developing a winning strategy with a fee-waived half-day workshop.
- Address challenges and gaps, prioritize objectives and identify opportunities.
- A more complete readiness assessment is also available for a deeper dive into infrastructure requirements, AI models, operational integrations and more.



Technical preparation

Jump-start your journey to success with an easy-to-use mobile lab — including a Dell Mobile Precision Workstation and two days of Consulting Services to help get you started.

- Portable AI testing and demonstration.
- Rapid prototyping in a prevalidated environment.
- Cost-effective, low-risk exploration of AI use cases.
- Closing AI skills gaps.



Dell Precision Mobile workstation 5690/7780 with NVIDIA GPUs



A sandbox environment for AI experimentation
Deployed and configured RAG architecture

NVIDIA AI Workbench platform ready for developers
Preconfigured to run software and validated for performance

Foundational use case to enable further exploration
Initial chatbot use case implemented with your data

Partner with Dell Technologies and NVIDIA to unlock the full potential of GenAI and agentic AI

For more information,
visit our [The Dell AI Factory with NVIDIA | Dell USA](#)



Additional resources:

- [Services Accelerator Workshop](#)
- [AI Solutions Explorer](#)
- [Turbocharge Your Way to AI infographic](#)
- [Dell AI Factory with NVIDIA video](#)
- [Dell AI Factory with NVIDIA use case video](#)
- [ESG white paper](#)

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