



In association with **Dell Technologies**

SILICON2SERVICE AI FACTORY FROM DELOITTE AND DELL TECHNOLOGIES

Delivering scalable, end-to-end AI infrastructure and services to help accelerate enterprise AI adoption and drive measurable business outcomes.



As enterprises recognize that tokens are the fundamental currency of AI, requiring powerful GPU-driven infrastructure to process the data and workloads of advanced AI models, AI factories are emerging as an alternative option. These specialized data centers—or AI factories—deliver scalable, efficient, and future-ready AI capabilities, positioning organizations to lead in an era where reasoning large language models (LLMs) and agentic AI are becoming the norm.

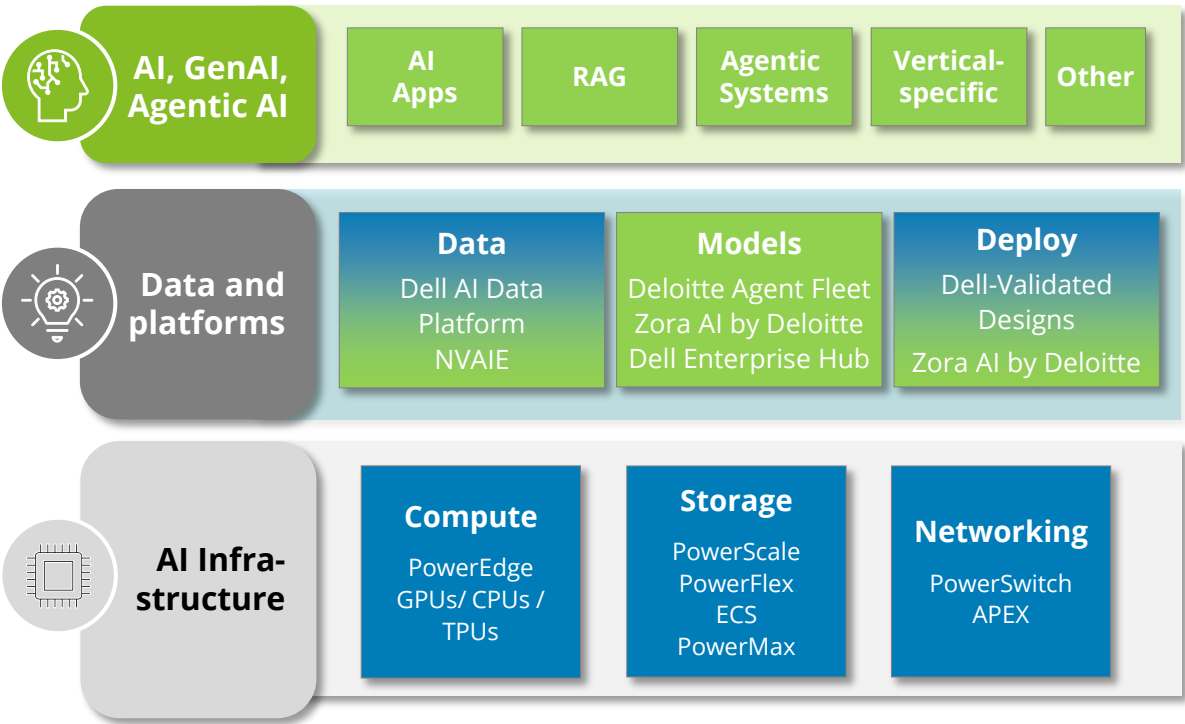
Trends driving the shift to AI factories

-  **Location of enterprise data.** 83% of enterprise data remains on-prem.¹ You should be moving AI to your data, not data to your AI.
-  **Enterprise data is an ‘untapped’ resource.** Public data has been fed into foundational models. However, less than 1% of enterprise data has been tackled.²
-  **Tremendous growth potential.** By 2028, the global AI infrastructure market spend is on track to surpass \$600 billion USD.³
-  **AI factory as a competitive advantage.** By 2029, the top 25% of large-cap enterprises that master AI factories will control over 75% of their respective markets.⁴

Layered approach to AI factory success

Deloitte and Dell Technologies (Dell) deliver an AI factory solution designed to transform enterprise AI from concept to production at scale. We combine Dell's validated AI-powered infrastructure with Deloitte's industry knowledge and implementation services to accelerate deployment and drive measurable business outcomes.

Together, we provide an integrated approach across each layer of the AI factory stack:



Deloitte and Dell are well-positioned to accelerate enterprise AI adoption and impact.

- **Accelerate deployment timelines** with pre-validated AI factory architectures and Deloitte's implementation accelerators. This reduces risk and time-to-production.
- **Drive measurable business outcomes** through industry-specific AI use cases, combining Deloitte's domain experience with Dell's optimized AI infrastructure.
- **Enable effective AI transformation** from strategy through operations with joint accountability, integrated services, and tested governance frameworks.

Top indicators for a pivot from traditional data centers to AI factories

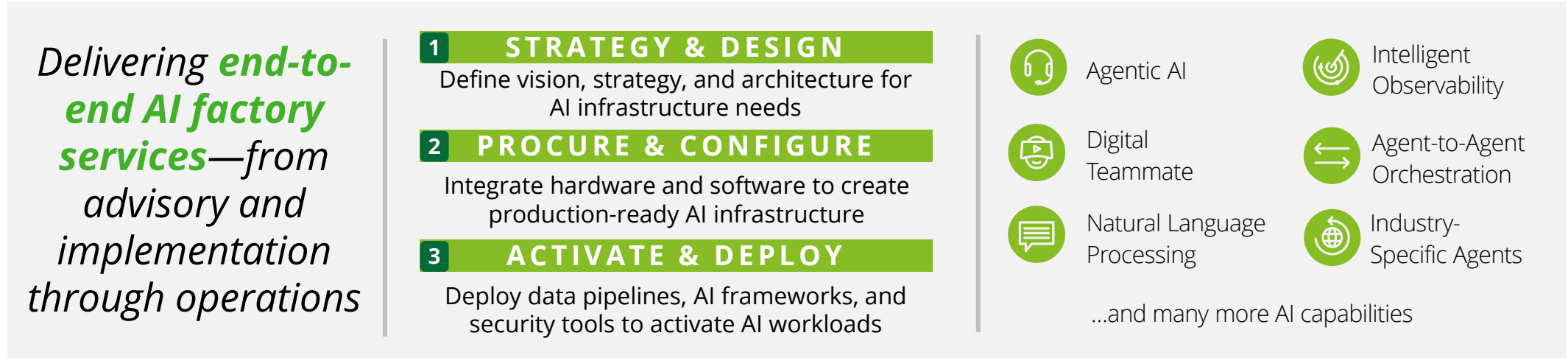
-  Rising operational costs
-  Limited high-performance compute clusters
-  Need for low latency solutions

Deloitte and Dell bring together market-leading AI capabilities

DELOITTE

- **Global AI leader:** Recognized as the #1 AI services provider worldwide by IDC MarketScape: Worldwide Artificial Intelligence Services 2025, Deloitte has more than 3,000 dedicated AI practitioners and data scientists driving transformation at scale.
- **Industry experience:** Deloitte has depth across verticals, enabling us to translate AI factory infrastructure into high-impact, industry-specific use cases that deliver ROI.
- **End-to-end AI transformation:** Deloitte brings a complete capability stack—from AI strategy and governance through implementation, MLOps, and organizational change—helping drive adoption of and business value from your AI factory.
- **Demonstrated track record:** Deloitte has implemented AI solutions for over 2,000 clients globally leveraging proprietary accelerators, frameworks, and use case libraries.

The Deloitte and Dell difference



- **Faster time-to-value and lower integration risk:** Dell AI Factory and Validated Designs compress design, integration, and deployment cycles, while Deloitte orchestrates use case selection, operating model setup, and value tracking.
- **End-to-end coverage:** Deloitte establishes roadmap, controls, and change management. Dell provides secure, validated, resilient infrastructure—from PowerEdge XE compute to PowerScale/ObjectScale/ECS data platforms and APEX delivery models.
- **Enterprise-grade trust and compliance:** Deloitte’s healthcare-grade governance and risk frameworks pair with PowerMax and platform security capabilities (immutable snapshots, auditability) to help safeguard PII (Personally Identifiable Information) and PHI (Protected Health Information) and mission-critical systems.
- **Scalable economics and flexibility:** APEX pay-per-use options and platform choices support hybrid and multi-cloud strategies and capacity bursts. Deloitte supports portfolio prioritization and financial alignment with strategic objectives.

DELL TECHNOLOGIES

- **#1 server provider for AI:** Dell PowerEdge servers power more AI workloads globally than any other vendor, delivering reliability and performance for the most demanding machine learning and generative AI applications.
- **Deep NVIDIA integration:** As NVIDIA's longest-standing infrastructure partner, Dell delivers the most optimized, validated, and production-ready AI factory configurations.
- **Tested at scale:** Dell has deployed AI infrastructure for more than 3,000 enterprises, supporting everything from LLM training to real-time inferencing at enterprise scale.
- **Fast time-to-AI:** Dell AI Factory delivers pre-integrated, pre-validated full-stack solutions that reduce deployment time from months to weeks, eliminating the complexity of building AI infrastructure from scratch.

LEARN MORE

If you’re ready for an end-to-end AI infrastructure solution tailored to your organization’s needs—and that unite robust hardware and software from Dell Technologies with Deloitte’s AI & Engineering workforce—let’s talk.

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Learn more about Deloitte and Dell at www.deloitte.com/us/dell.

1.

Barclays CIO Survey, 2024
2.

IBM Think 2024 Keynote, Dario Gil
3.

International Data Corporation (IDC) Worldwide AI and Generative AI Spending Guide, 2024
4.

Gartner Predictions, Oct. 2024

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