Dell Technologies

Drive Generative AI workloads with simplified operations

Dell Managed Services for Generative AI

GenAI has enormous potential to drive breakthroughs in how we do business and capitalize on data value

While the opportunities are great, the complexity of GenAI, requiring multiple technologies running on a shared platform with diverse workloads, impede success. Leveraging the full value of GenAI requires businesses to quickly adopt technology, but many lack the resources and skills.

With **Dell Managed Services for Generative AI**, we provide a fully managed GenAI environment. A streamlined process, aligned to proven innovative technologies, helps you accelerate from idea to innovation with the power of GenAI solutions.

GenAI Opportunities

77%
GenAI will have largest impact on business of all emerging technologies[1]

40%
of C-level respondents plan to invest in GenAI in 2023[2]

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GenAI Business Challenges

20%
of developer time spent on actual data science*

39%
of companies see expertise and skills as a top challenge[3]

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Roadblocks to success

- Complexity & time designing / integrating infrastructure & tools & managing model lifecycle
- Decentralized data in the public cloud causing security & compliance issues
- High costs incurred from public cloud and overall operational inefficiencies

Why Dell for GenAI?

Dell's unique approach leverages simplified, tailored and trusted solutions that combine your data with the power of GenAI to drive innovation and tangible business value. The power of Dell Services' advanced skills and experience with Dell solutions will accelerate time to value for customers in leveraging tangible business value from GenAI.

✓ Deep expertise at every stage to accelerate tangible time-to-value

✓ Proven operational optimization from Dell Managed Services, with over 1 Exabyte under management

✓ Full-stack scalable GenAI solutions, in collaboration with NVIDIA

What if you could…

Accelerate the power of GenAI for your data

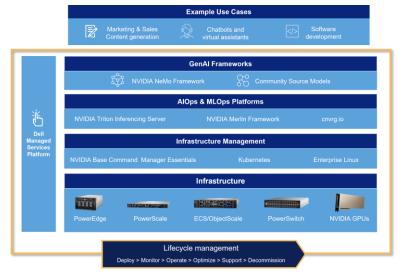**Deliver innovation with an established GenAI platform**

Simplify operations to seize GenAI value

You can, with a **tested** and **proven** approach to **model customization** and **tuning**, **fully managed** by Dell

Together with NVIDIA we provide a jointly engineered reference architecture for model customization that delivers a modular and scalable platform for customizing Large Language Models for use in production. With an optimized environment to help you with inferencing and fine-tuning, data scientists, IT, and AI developers can train, inference, and further refine data and continuously improve models.

Managed Services for Generative AI accelerate time to value of this high-performance architecture, enabling the creation of GenAI solutions aligned to specific business needs and use cases. We simplify operations so you stay focused on customizing and tailoring models, enabling your business to leverage GenAI in the most effective and efficient way to drive tangible business value.

Example Use Cases
- Marketing & Sales Content generation
- Chatbots and virtual assistants
- Software development

GenAI Frameworks
- NVIDIA NeMo Framework
- Community Source Models

AIOps & MLOps Platforms
- NVIDIA Triton Inferencing Server
- NVIDIA Merlin Framework
- cnvrg.io

Infrastructure Management
- NVIDIA Base Command Manager Essentials
- Kubernetes
- Enterprise Linux

Infrastructure
- PowerEdge
- PowerScale
- ECS/ObjectScale
- PowerSwitch
- NVIDIA GPUs

Dell Managed Services Platform

Lifecycle management
Deploy > Monitor > Operate > Optimize > Support > Decommission

Drive GenAI workloads
- Deploy solution stack
- Monitor and manage infrastructure and GenAI Platform
- Optimize infrastructure continuously
- Monitor availability and track performance
- Manage day-to-day activities to maintain health of environment
- 24x7 delivery and support

✓ **Accelerated time to value** for GenAI solutions with the right foundation, fully managed

✓ **Faster transformation** as your data is combined with the power of GenAI

✓ **High value outcomes** from execution of high priority use cases

✓ **Trusted results** from customized models based on business data

✓ **Reduced risks** of compliance, privacy and security issues with an on-premise approach

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Explore Dell
Managed Services

Contact a Dell Technologies expert

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[1] KPMG, Generative AI: From Buzz to Business Value, May 2023
[2] IDC Webinar, Unlocking Business Success with Generative AI, May 2023
[3] ESG, Beyond the Hype: Real-world investments, use cases and concerns, August 2023.
*Based on the widely accepted 80-20 rule of data science

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