NUTANIX | DELL Technologies

Accelerate Your AI Transformation with Dell and Nutanix

Seamless integration, flexible computing options, and a robust ecosystem take the pain out of deploying AI infrastructure

Enterprise GenAI Adoption is Accelerating

GenAI is becoming essential to satisfy important business goals

Top 5 Business Goals Supported by GenAI*

57%	51%	49%	42%	38%
Increasing Productivity	Increasing automation and efficiency	Increasing innovation	Customer retention and support	Decreasing operational costs

GenAI enables organization to tackle critical AI use cases

Top GenAI Workloads

53%	47%	46%	42%
Customer Support and CX	Cybersecurity and Fraud Detection	Content Generation	Code Co-pilots

GenAI is delivering on ROI

70% Expect a return on their GenAI investment over the next 2-3 years

But almost half of enterprises surveyed (**43%**) have not started implementing GenAI or are still developing a strategy.

Top GenAI Infrastructure Challenges

98%

53%

Face Challenges Scaling GenAI workloads

31%

Complexity of building a GenAI environment from scratch

54%

Integration with existing IT infrastructure

Infrastructure for GenAI is the #1 investment

Say they lack the skills needed to deploy and operate AI

38%

Privacy and security concerns when using Gen AI with sensitive company data

Because of these challenges, many companies are unprepared to start with GenAI. One of the biggest decisions they face when deploying GenAI is choosing the right hardware for deployment.

Choosing GenAI Infrastructure

60%

Have a concrete plan when it comes to GenAI specific hardware

But that means 40% are still investigating hardware options or still considering how to start the process.

95%

Say that data privacy is a priority for their organization when implementing GenAI

Given data privacy and security concerns, many organizations prefer to deploy GenAI on-premises.

Dell XC Plus powered by Nutanix Cloud Platform

Why Nutanix

Nutanix Cloud Platform

- Simplifies hybrid cloud with a complete infrastructure platform
- Enterprise data services
- Support for VM and container operations
- Works across datacenter, edge, and public cloud
- Choice of hypervisor, including Nutanix AHV
- Cyber-resilient architecture with integrated security

Why Dell

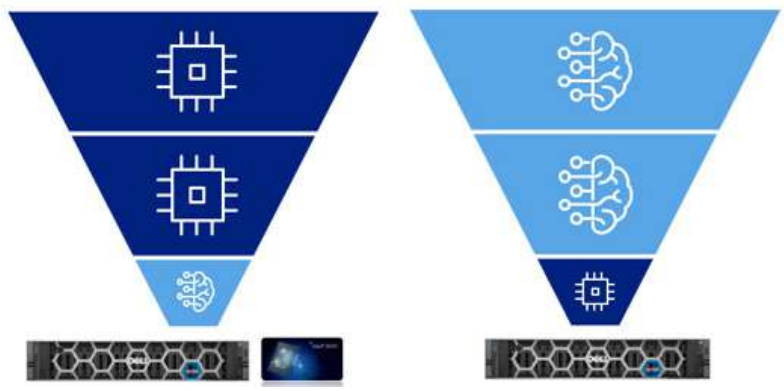
XC Hardware

- Built on Dell PowerEdge servers
- Powered by Intel Xeon processors
- Fully pre-configured and validated
- A single platform for processing, memory, networking and storage
- Six configurations to choose from to address diverse needs
- System security from design to disposal

An integrated solution takes the complexity out of deploying infrastructure, especially for supporting demanding GenAI applications.

Tackle GenAI and Traditional Workload Needs on One Platform

Many teams think they need specialized hardware dedicated to AI.
Dell XC and Nutanix are equally at home with AI and traditional workloads.



Generic workloads
VDI, Edge computing, Video Analysis, General purpose, VMs

AI workloads
GenAI, Image classification, object detection, Natural Language Processing (NLP), Speech to Text

Get started with AI with Intel AMX and handle lightweight AI workloads using the Intel processors built into all Dell XC configurations.

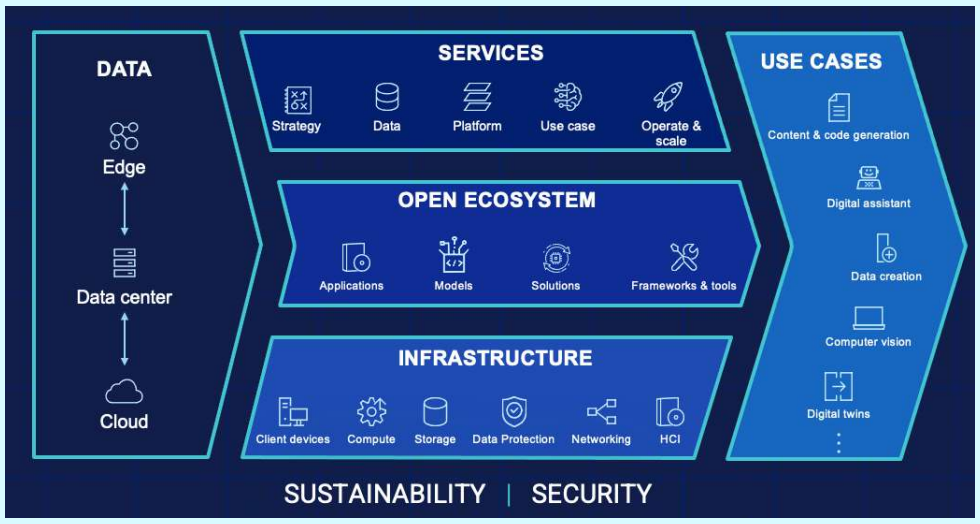
Power the most demanding AI initiatives by adding validated NVIDIA GPUs for Accelerated AI Computing.

Jumpstart your journey to AI by choosing a flexible infrastructure solution capable of supporting GenAI and other workloads.

Dell AI Factory Streamlines GenAI Adoption

Dell AI Factory allows you to choose the best path that meets your organization's unique needs. Tackle the use cases that matter to your business and get more value from your company data.

The Dell AI Factory



Services. Dell Professional Services can help you progress more quickly from strategizing, to development, to operating at scale.

Open ecosystem. AI Factory gives access to leading AI solutions from industry leaders like NVIDIA, Intel, and Nutanix. You're never locked into a single solution.

An open ecosystem provides access to the models and frameworks you need to turn AI plans into AI success.

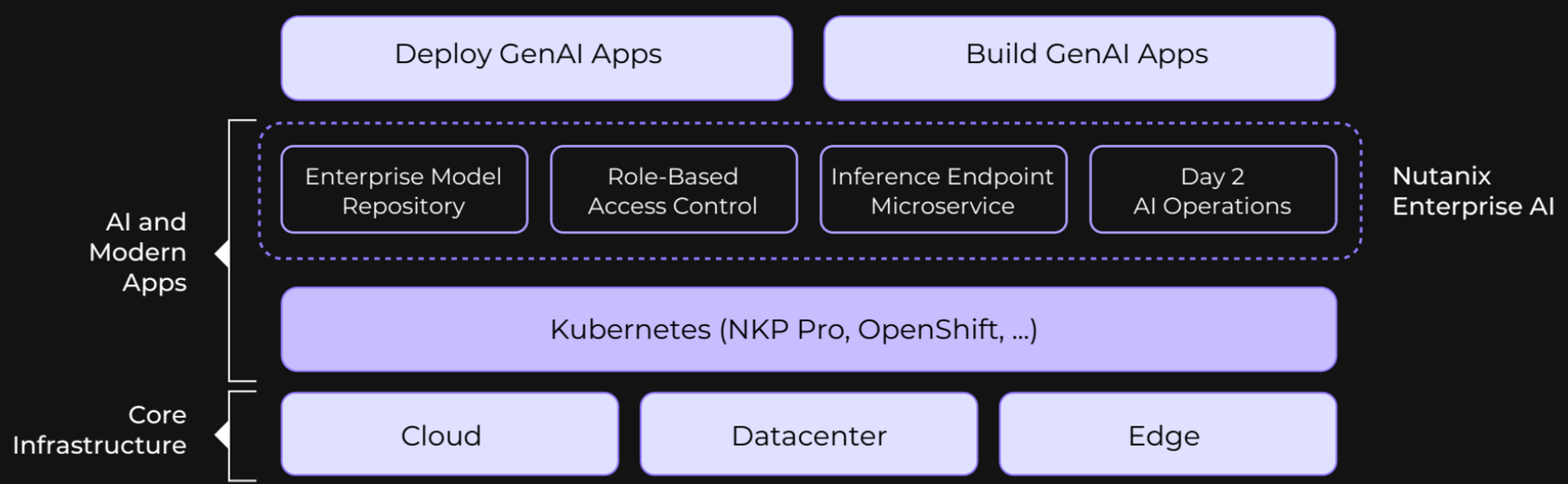
Nutanix AI Solutions

Combine Nutanix Cloud Platform running on Dell XC with Nutanix AI solutions to unlock advanced, production-grade AI capabilities in less time:

Nutanix GPT-in-a-Box
is a full-stack AI architecture that works with Dell XC to simplify on-premises deployments of the latest LLMs and other AI models including AI accelerators, performance storage for AI, and Kubernetes for multicloud operations.

Nutanix Enterprise AI
is a full-stack AI inference platform that integrates closely with Dell XC, providing the enterprise capabilities you need to build and deploy your choice of LLMs for GenAI apps and agents quickly and securely across datacenter, edge and cloud.

Nutanix Enterprise AI



Nutanix AI solutions provide a simpler path to transform business outcomes.

To learn how Dell and Nutanix can accelerate your path to AI, read the white paper *AI In The Modern Enterprise* from Moor Insights & Strategy

Get Started

*All statistics cited in this infographic are sourced from the 2025 Nutanix Enterprise Cloud Index