Enterprise Strategy Group by TechTarget

# Emerging Organizations Modernize Server Environments to Prepare for an AI-driven Future

Technology fuels almost every aspect of modern organization. The advent of AI will only increase the influence that technology, especially on-premises server infrastructure, has on business success. For emerging organizations (i.e., those with fewer than 1,000 employees), the rapidly evolving cybersecurity and artificial intelligence (AI) landscapes are beginning to affect executive priority lists. Dell Technologies, a leader in server technology, offers an extensive portfolio of products and services to prepare organizations of any size to successfully navigate an AI-driven future.

This Enterprise Strategy Group infographic was commissioned by Dell Technologies and is distributed under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 United States License.

## In the Era of AI, IT Modernization Must Be Built on Secure and Resilient Server Foundation

As AI and cybersecurity quickly rise up the priority list, digital resilience surpasses cost when organizations identify their most significant infrastructure-related challenges.

- Respondents at medium businesses (i.e., 100-499 employees)
- Respondents at small businesses (i.e., fewer than 100 employees)

**» Top Technology Initiatives that Have Become Significantly More Important in the Past 12 Months**

**» Top Challenges Organizations Plan to Mitigate Over the Next 12 Months**

## AI and Security Join Productivity and Customer Experience as Top Factors Driving Server Investment

When it comes to justifying new technology expenditures, businesses focus on the core tenets of improved productivity, customer experience, cybersecurity, and AI.

**» Must-have Server Characteristics for AI and Generative AI Workloads**

**» Most Important IT Investment Justifications Over the Next 12 Months**

## Predictive, AI-ready, Cyber-resilient Servers Are Must-haves for the AI-driven Future

As organizations consider a wide variety of AI-driven use cases, AI-ready and secure-by-design attributes resonate strongly for businesses. Infrastructure resiliency, uptime, and the ability to simplify root cause analysis and recovery have become increasingly critical for AI environments. Wherever a business is on its AI journey, Dell Technologies has technologies, tools, services, and partners that can help. The Dell AI Factory strategy encompasses multiple aspects to reliably take an organization's AI initiatives from inception to production.

**» Top AI Use Cases Organizations Plan to Pursue Over the Next 6 Months**

**» Top Critical Capabilities When Supporting Generative AI on Proprietary Data**

The Dell AI Factory approach helps organizations of all sizes accelerate innovation, control costs, and protect data with the industry's broadest AI portfolio.* It comprises Dell's leading infrastructure, an open ecosystem, and services, all designed to combine with an organization's data to deliver faster AI outcomes with validated, integrated solutions and best practices.

With the Dell AI Factory, Dell can help organizations:

**# 1**
Determine their ideal use cases with the help of Dell's experts.

**# 2**
Prepare their data with a secure AI-ready data platform.

**# 3**
Right-size their investments with the broadest portfolio of AI infrastructure.

**# 4**
Collaborate with leading AI partners that meet their unique needs.

**# 5**
Augment their AI capabilities with services that span from establishing strategy to adopting at scale.

## Conclusion

Businesses of all sizes must actively modernize their technology to stay competitive, while also navigating the rapidly evolving security and AI landscapes. Dell Technologies offers the technology and expertise to address these needs. For emerging organizations, selecting the right infrastructure is even more important, as the cost of missteps has a greater effect on the overall budget.

Dell Technologies offers a full infrastructure stack portfolio, spanning an incredibly broad portfolio of business technologies for AI that include client devices, servers, networking, data storage, and data protection. Dell combines this portfolio with technology advantages such as energy-efficient power and cooling strategies, modular infrastructure, and a choice in silicon options. The net result is a single, trusted, experienced partner that can span the full breadth of IT demands along with support capabilities.

LEARN MORE

DELL Technologies

Source: Enterprise Strategy Group custom research commissioned by Dell, *Server Compete 2024*. All Enterprise Strategy Group research references and charts in this infographic are from this custom research survey.

*Based on Dell analysis, December 2024. Dell Technologies offers hardware solutions engineered to support AI workloads from Workstations PCs (mobile and fixed) to servers for high-performance computing, data storage, cloud native software-defined infrastructure, networking switches, data protection, HCI, and services.

© 2025 TechTarget, Inc. All Rights Reserved.