

Preview

AI model training and inference workloads are forcing the industry to rethink not only how much compute fits in a rack, but how servers are architected from end to end -- transforming computing infrastructure as we know it. Traditional servers can't keep pace with the unique characteristics of AI. As AI moves from proof of concept to production-scale deployment, enterprises are discovering their existing infrastructure may be misaligned with the tech's unique demands. When generative artificial intelligence exploded on the scene, businesses got busy dreaming up next-generation products and. Ivo Ivanov is the CEO of DE-CIX. " There will undoubtedly be countless more "Years of AI" as the technology continues to take root in the processes that orchestrate societies and. The industry is rapidly transitioning to 800G and 1.6T Ethernet interconnects to meet these performance requirements, which are now essential for supporting modern AI workloads at scale. AI's massive compute demands, paired with expectations for efficiency, speed, and scalability, are pushing. The term AIOps (Artificial Intelligence for IT Operations), introduced by Gartner in 2016, defines an approach to IT infrastructure management using artificial intelligence.

Discover the biggest technical AI challenges developers face--from data quality to model scalability--and explore

One of the key challenges is that AI data centres have rapid and large swings in demand, and meeting their power

The rapid expansion of Artificial Intelligence is fueling the growth of hyperscale data centers, which introduces

Understanding the characteristics of AI data center loads and their interactions with the grid is therefore critical for

Artificial intelligence promises considerable economic and societal benefits, even with AI

Discover the biggest enterprise AI adoption challenges and proven strategies to overcome them. Avoid pitfalls, accelerate ROI, and

In this 2025 edition of the annual McKinsey Global Survey on AI, we look at the current

In the article we will find out how artificial intelligence is changing the management of servers and data centers, what

Technical Challenges of AI Servers

Explore common challenges organizations face in 2026 as they shift their AI strategy from

Explore 15 AI challenges in 2026 that leaders face: risks, limitations, and ethical concerns.

The global boom in data centers as companies increasingly outsource information storage and ramp up use of energy

Discover the most common AI problems and practical solutions to overcome them. From transparency issues to data privacy, learn

Many enterprises still connect to cloud resources via the public Internet, exposing their AI workloads to unpredictable

Be they technical challenges or ethical challenges, hindrances are always there. However, most of these challenges

Transform any enterprise into an AI organization with full-stack innovation across accelerated infrastructure, enterprise-grade

Learn how AI workloads are reshaping server architecture with accelerators, CXL memory pooling, high-speed

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