

From complexity to clarity: Rapid and Secure AI Deployments



AI initiatives can be complex and expensive and can stretch the capacity of your team. Infrastructure needs are a big part of this barrier to innovation, both in terms of up-front cost and management resources.



2.8x

Spending on AI is expected to nearly triple as a percentage of IT spending.¹

Hybrid or private AI clouds benefit from having a single framework — a cloud operating system — with a single control interface and a single professional services partner. In fact, 90% of IT leaders prefer one platform to run AI applications across datacenter, cloud, and edge.²

Hyperconverged infrastructure (HCI) removes the added cost and complexity of deploying and managing compute, storage, and network by utilizing software-defined infrastructure and pre-validated technology. For successful, on-time, and economical deployment of AI infrastructure — without sacrificing security, governance, or sovereignty — **simplicity is everything.**

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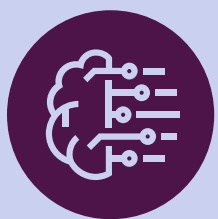
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Reimagine AI workload management

Together, Lenovo and Nutanix empower organizations with a unified platform that boosts enterprise AI workloads and fuels innovation. Lenovo ThinkAgile consolidates compute, storage, virtualization, and networking into ultra-reliable, AI-ready HCI appliances. Hyperconverged Lenovo ThinkAgile systems deliver fully validated and integrated Lenovo hardware and firmware, certified and preloaded with Nutanix Validated Design (NVD) integrated solutions. NVDs eliminate guesswork, reduce risk, and accelerate time to value with solutions that are tested and validated in Nutanix labs.

The hyperconverged **Lenovo ThinkAgile HX Series** featuring **Nutanix Enterprise AI (NAI)** — and optionally with **Nutanix Kubernetes Platform (NKP)** — is the ideal platform to deliver turnkey, full-stack AI workloads across hybrid cloud environments:

- Seamlessly deploy ML Operations (MLOps), AI inferencing, generative AI (GenAI), and large language models (LLMs) for faster insights.
- Integrate with leading AI models like NVIDIA NIMs and Hugging Face for faster deployment of industry LLMs.
- Stay efficient while scaling your processing power with advanced direct water cooling (DWC) capability, available through Lenovo Neptune® liquid cooling. **Lenovo ThinkAgile HX650 V4**, powered by Nutanix Cloud Platform, is the industry's first liquid-cooled HCI appliance, delivering up to 25% energy savings.**
- ThinkAgile HX supports Intel Advanced Matrix Extensions (AMX) for quickly testing and adopting lighter AI use cases without compromising on ease of use or data protection.



53%

lower TCO for AI and data modernization workloads***

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“The use of AI has enabled us to reduce image processing time and respond faster, improving the quality of diagnostics and expediting primary and secondary mammography readings. We are confident that our experience can serve as a model for medical systems worldwide, showcasing the potential of technology to enhance healthcare.”

— Spokesperson, Ministry of Healthcare of the Republic of Kazakhstan

[Read the full story >>](#)



Optimized for enterprise AI workloads, Lenovo ThinkAgile HX650a V4* is a hyperconverged solution with maximum compute for AI, supporting up to two NVIDIA RTX PRO 6000 GPUs to supercharge Nutanix applications.

Lenovo services designed around your business needs

Lenovo Services helps you build comprehensive solutions to solve your organization's enterprise AI workload management needs.

Optimize AI across the full lifecycle

Lenovo AI Services covers the full application lifecycle, meeting you wherever you are to rapidly define use cases, deploy solutions, and drive value from AI. Lenovo's experts guide you to create maximum business impact and help you build a solid foundation to support emerging AI innovations as they arise. Lenovo AI Services helps your organization:



Define your strategy, identify use cases, and assess readiness with advisory services that build the processes and infrastructure for scalable growth.



Implement secure, scalable AI solutions.



Manage, monitor, and optimize AI performance across hybrid environments.

Streamline your solutions with Lenovo TruScale

Lenovo TruScale Infrastructure as a Service with Nutanix wraps hardware, software, and professional services from Lenovo — with partners including Nutanix — into a pay-as-you-grow package that accelerates launch timelines and removes the stresses of deployment, maintenance, and hardware refreshes so your internal team can focus on your company's core business.



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Lenovo is a trusted leader in enterprise AI

For over 40 years, Lenovo has been a trusted partner to IT leaders all over the world.

- ✓ 180+ countries served
- ✓ 50+ AI solution providers
- ✓ 165+ enterprise AI solutions
- ✓ 70 AI-optimized infrastructure products
- ✓ 4 AI innovation centers
- ✓ 18 research and development centers
- ✓ 10K IT professionals and engineers in AI, cloud, and security

Lenovo's leadership in reliability, security, and availability

#1 in x86 server reliability for 11 consecutive years³

#1 in x86 security for 6 consecutive years³

#1 supercomputer provider for 7 consecutive years⁴

#8 global supply chain as ranked by Gartner^{®5}



Lenovo has been #1 in x86 server reliability for

11 consecutive years³

Simplify AI workload management with Lenovo and Nutanix

For over a decade, Lenovo and Nutanix have worked together to fuel innovation and business transformation. Discover how Lenovo and Nutanix can help you simplify your enterprise AI workload management today and drive tangible results for your organization.

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Contact your Lenovo sales representative or visit www.lenovo.com/Nutanix.

Sources

- 1 IDC and Lenovo, "CIO Playbook 2025 Survey," February 2025
- 2 Nutanix, "Nutanix Enterprise Cloud Index," February 2025
- 3 ITIC, "ITIC 2024 Global Server Hardware, Server OS Reliability Report," November 2024
- 4 Top500.org, "Highlights - June 2025," June 2025
- 5 Gartner, "Gartner Announces 2025 Rankings of the Global Supply Chain Top 25," June 2025

Disclaimers

*The ThinkAgile HX650a V4 will be available in Q1 of CY2026.

**25% energy savings calculation based on using Lenovo Neptune Liquid Cooling on ThinkAgileHX V4 compared to previous generation.

***Comparison based on a customer modernizing infrastructure from ThinkAgile HX V1 to ThinkAgile HX V4.