

Lenovo Hybrid AI Advantage™ with NVIDIA

Lenovo Hybrid AI Platforms

Brochure

Lenovo



The AI revolution is here—and it's moving fast. As enterprises race to harness its potential, they face a complex balancing act: performance, cost, scalability, and trust.

Enterprises need a solution that can easily adapt with the AI evolution that's simple to deploy and easily scalable with robust security and governance to protect sensitive data. That's where Lenovo and NVIDIA come in.

Lenovo Hybrid AI Advantage™ with NVIDIA enables enterprises to accelerate GenAI adoption by up to 50%, reduce operational complexity, and boost developer productivity—driving business transformation with flexible, actionable outcomes.

Key infrastructure pain-points



Unpredictable costs



Uncertain ROI



Complex deployment requirements



Governance and compliance gaps



Scalability concerns



Integration complexity



Smarter AI for All

Lenovo Hybrid AI Advantage™

Our full-stack framework helps organizations combine hybrid AI infrastructure with data, models, and proven AI solutions to cut complexity and accelerate ROI.

Each layer is built on the premise of choice and finding the right mix in the hybrid models and is designed to deliver improved productivity, increased agility, and innovation with trust.

Improve productivity

Increase agility

Innovate with trust

Lenovo AI Library

Customizable personal and enterprise AI agents & use cases

Lenovo Hybrid AI Factory

AI models & agents

Data & knowledge

Hybrid AI infrastructure & devices

Lenovo
AI
Services

PERSONAL

ENTERPRISE

PUBLIC

Lenovo

From NVIDIA enterprise AI reference architecture to the **Lenovo Hybrid AI Factory**



NVIDIA enterprise reference architecture

The design for an Enterprise AI Factory integrates seamlessly with enterprise systems, data sources, and security infrastructure through NVIDIA's partner solutions.

It utilizes advanced NVIDIA hardware in conjunction with software tools and solutions from NVIDIA AI Enterprise to ensure optimal performance adhering to best practices.



How Lenovo extends it into a "factory-style" platform

Lenovo Hybrid AI Advantage™ with NVIDIA joins the power of the Lenovo AI Library with a validated, tested Hybrid AI factory including hybrid AI platforms, workstations, servers, storage, network, software, models, services, partner ecosystem.

Lenovo's Hybrid AI platforms power Lenovo's Hybrid AI Factory—scaling from a single server with just four GPUs to a rack-scalable unit (SU) as a turnkey infrastructure solution supporting hybrid deployments in data centers, colos and business locations with cloud integration.



Why organizations need a Hybrid AI Factory

Lenovo Hybrid AI Advantage platforms are built on the Hybrid AI Factory framework – a modular design that unifies infrastructure, data, and orchestration that empowers enterprises to build, scale and operate AI anywhere.

AI-optimized infrastructure | Modernized data estate solutions | Hybrid cloud flexibility | Expert services from advisory, deployment, and managed operations to accelerate AI adoption while assuring cost transparency, security, and responsible AI governance

Choose your Hybrid AI Advantage™ platform

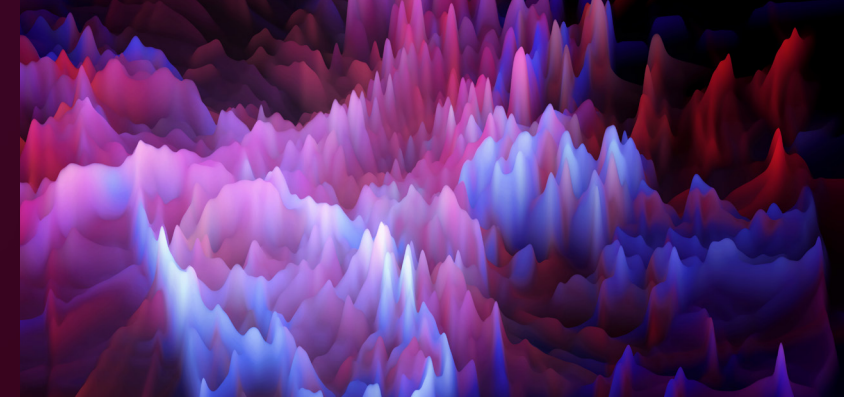
Lenovo Hybrid AI Advantage™ with NVIDIA delivers a modular set of validated partner platforms. Each is tailored for specific enterprise needs and industries, ensuring faster time to value in AI adoption.



Modular Platform	Hybrid AI Advantage (Best for)	(The Benefit) of Right Sized	Core Technicals (Lenovo + NVIDIA stack)
Edge & Data Center Inferencing	Real time inferencing, computer vision, omniverse text-to-image, multi-modal generative AI	Compact, nimble, pre-trained models, real-time analysis without significant overhead of a large training infrastructure, ultra-low latency, reduce data transfer costs, and maintain control over sensitive information	Lenovo ThinkSystem SE455, SR650a, SR675 V3, NVIDIA RTX Pro 6000, L40S, H200 NVL
Agentic Inferencing & Tuning	LLM inference and Retrieval-Augmented Generation (RAG), Fine-tune training/inference, Omniverse, Text-to-Image, Multi-modal Generative AI	Efficiency at scale, reduced latency, small to large model training and large inferencing use cases, agile operations and freedom to innovate	Lenovo ThinkSystem SR675 V3, NVIDIA RTX Pro 6000, L40S, H200 NVL
Training & Tuning	Turnkey GenAI & RAG workloads (retail, FSI, healthcare, gov)	Rapid enterprise model deployment, high performance models for training and inferencing, HPC, scalable and secure by design	Lenovo ThinkSystem SR680, SR680a, and SR780a, NVIDIA HGX H200 SXM

Hybrid AI Advantage™ agentic AI inferencing and tuning platform solutions

The Lenovo Hybrid AI Advantage™ with NVIDIA agentic AI inferencing and tuning platform offers validated partner solutions. Each is tailored for specific enterprise needs and industries, ensuring faster time to value in AI adoption.

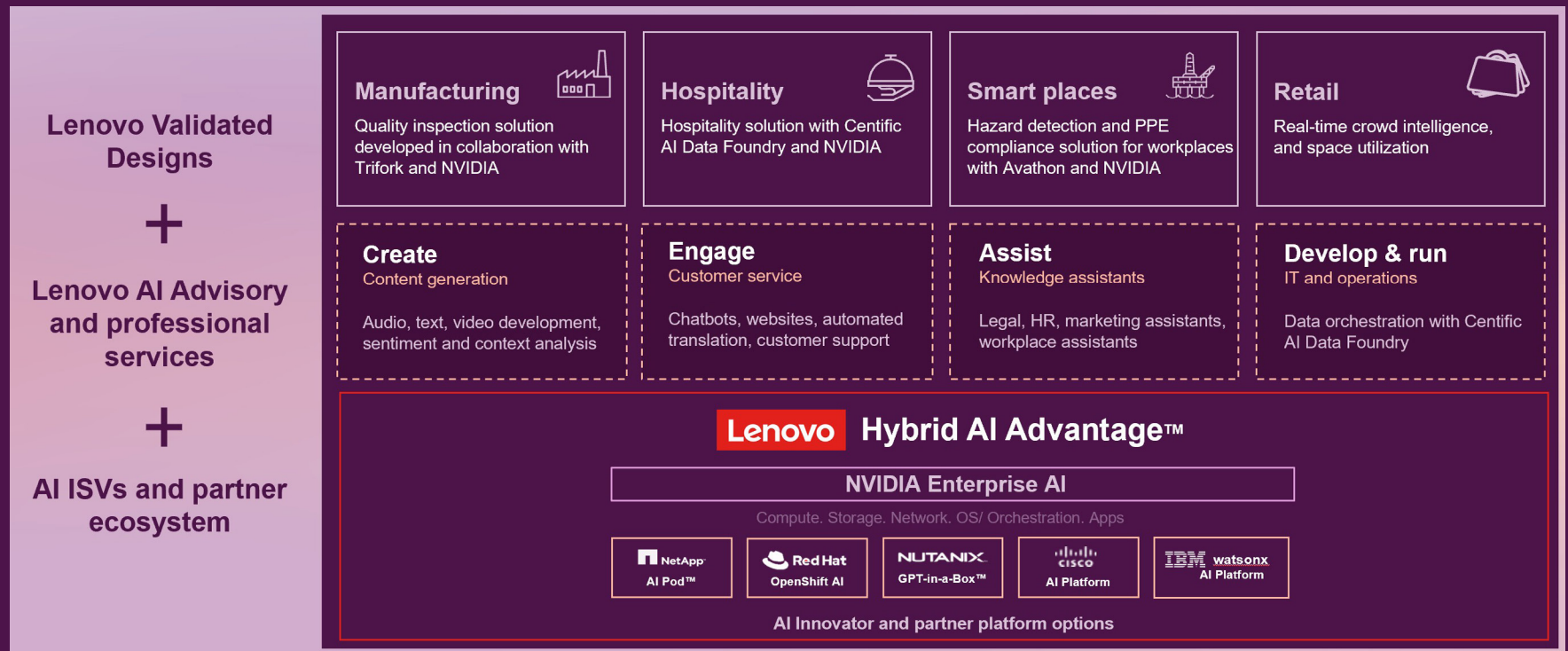


LVDs & Partner Solutions	Hybrid AI Advantage (Best for)	Key benefits	Core Technicals (Lenovo + NVIDIA stack)
IBM watsonx™	Governed, scalable enterprise GenAI across hybrid cloud (finance, government, healthcare)	Secure, responsible AI; predictable deployment with trusted governance	Lenovo ThinkSystem SR675 V3 GPU + SR635/655 V3 nodes, Red Hat OpenShift, NVIDIA Spectrum-X™ fabric. Projected 203% ROI over 3 years
with Cisco Networking	AI-ready data centers needing ultra-efficient networking (telco, research, large enterprise)	1.6× faster networking, 95% bandwidth efficiency; reduced latency at scale	Cisco Nexus 9000 switches, NVIDIA Spectrum-X™, scalable 4=160 GPUs, Red Hat OpenShift
NetApp AI Pod™ Agentic AI Platform	Turnkey GenAI & RAG workloads (retail, FSI, healthcare, gov)	Simplified, rapid enterprise LLM deployment; scalable and secure by design	OVX Lenovo ThinkSystem servers + NVIDIA L40S GPUs, NetApp AFF C-Series storage, Red Hat OpenShift
Trifork	Manufacturing & quality inspection at the edge	Automated defect detection, predictive maintenance, real-time analytics	Lenovo ThinkEdge SE360/SE455; NVIDIA AI Enterprise; Trifork Vision AI; Red Hat OpenShift
Centific AI Data Foundry	Hospitality & multimodal ops (video, speech, property data)	Boosts personalization, unifies operations, seamless scalability	Lenovo SR655/635/675 V3; NVIDIA NeMo + AI Enterprise; Centific AI Data Foundry
Avathon Visual AI	Industrial safety, compliance & workforce protection	Real-time risk reduction, proactive compliance, scalable edge AI	Lenovo ThinkEdge SE360/SE455; NVIDIA TensorRT/CUDA; Avathon Visual AI Advisor; Red Hat OpenShift

Why Lenovo and NVIDIA for Hybrid AI Factory

Lenovo expanded Lenovo Hybrid AI Advantage™ with new advisory and implementation services, industry solutions and hybrid AI platforms that deliver the modern infrastructure and full-stack capabilities essential to transforming enterprise IT for the age of AI.

Let AI transform your business, eliminate the complexity, enable your organization to focus on innovation with cutting-edge solutions designed to accelerate value. From proof-of-concept to production-scale deployments, Lenovo Hybrid AI Advantage with NVIDIA delivers the performance, agility, and trusted governance your business needs where and when you need it.



Accelerate your **AI journey** today
with **Lenovo's** tailored solutions,
proven accelerators, and the
power of **Hybrid AI intelligence.**

For more information contact your
Lenovo representative or visit
www.lenovo.com/HybridAI

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