

Lenovo Hybrid AI Advantage™ with NVIDIA solutions

AI Knowledge Assistant



Organizational demands driven by consumer needs, changes in laws or regulations, or new product configurations are increasing the need for specialized knowledge expertise.

Artificial Intelligence (AI) knowledge assistants act as a bridge of augmentation, empowering team members to provide the most up-to-date and informed responses to internal or external requests. By leveraging AI knowledge assistants, organizations can synthesize and drive value from vast amounts of complex information in domains such as legal, finance and human resources (HR).

This trend is set to grow significantly: Gartner forecasts that by 2028, GenAI-enabled virtual assistants will **automate 80% of knowledge workers' tasks**, a substantial increase from 30% in 2024.¹ **Lenovo Hybrid AI Advantage™ with NVIDIA solutions** uniquely enable knowledge assistants to be developed, customized, trained and scaled on workstations, at datacenters across enterprise locations and with all organizational data.

Tasks automated by GenAI-enabled virtual assistants



Why build an intelligent knowledge assistant?

Enterprises face a range of information access and productivity challenges when managing, organizing, and accessing the large quantities of data generated by their business operations. Siloed information, evolving regulations, and inefficient workflows can hinder productivity and decision-making for knowledge workers.

Challenges:

- **Information overload – regulatory compliance and accuracy:** Ensuring strict adherence to industry regulations while mitigating risks associated with non-compliance.
- **Inefficient workflows:** Reducing lengthy document preparation, review, and approval cycles and managing vast amounts of complex, domain-specific documentation with ease.
- **Lack of personalization:** Customizing responses and documents to meet the specific needs of employees and clients.

Lenovo



Intelligent knowledge assistants can solve for these challenges by leveraging AI to streamline information access and break down knowledge silos within the organization.

Combined with the right data and trusted models and technology, intelligent knowledge assistants can enhance knowledge retention, improve decision-making, and create a seamless flow of information — empowering professionals to work smarter and drive sustainable success.

By seamlessly integrating into existing workflows using validated, secure, modular designs, these intelligent solutions provide real-time insights, automate data retrieval, and enhance collaboration — bridging the gap between raw data and actionable decisions. Some examples of industry use cases include:



Healthcare

AI-assisted patient diagnosis support and medical research summarization.



Financial Services

Automated compliance reporting and financial analysis insights.



Retail

AI-powered training for frontline employees and personalized product recommendations.



Education

AI tutors for personalized learning and automated curriculum curation.



Legal and Compliance

Intelligent contract analysis and legal research summarization.



Lenovo and NVIDIA advantage for knowledge assistants

Lenovo and NVIDIA are revolutionizing workforce capabilities by integrating AI knowledge assistants into both internal and external business operations.

These cutting-edge tools enhance efficiency across all departments, including HR, legal, customer service, and logistics, by providing real-time access to accurate and relevant information. Committed to responsible innovation, the partnership ensures compliance with regulatory standards, legal requirements, and privacy protocols, fostering trust and reliability in AI-driven solutions. These solutions help organizations:



Improved productivity: Accelerated information retrieval and synthesis provide context-aware insights for informed decision-making and action.



Increased agility: AI-driven compliance checks and personalized query handling optimize accuracy, mitigate risks, and reduce time spent processing contracts, policies, and reports.



Trusted innovation: Teams have access to real-time information thanks to dynamic updates and structured knowledge repositories handled by AI.

Lenovo's own AI legal assistant dynamically updates complex documentation like non-disclosure agreements, making the review process much faster, and ensuring documents such as non-disclosure agreements, or NDAs. Traditionally, processing an NDA can take weeks of back and forth between the business and legal advisors but with Lenovo AI Legal Assistant, that time is cut way down because it provides the right document the first time. In fact, with contracts, Lenovo AI Legal Assistant delivers an **improvement in accuracy by up to 45% and an increase in data re-use by up to 80%.**

Building AI knowledge assistants with Lenovo and NVIDIA

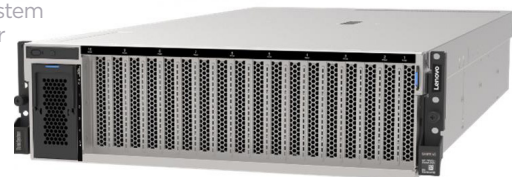
Together, Lenovo and NVIDIA have developed advanced hybrid AI solutions tailored for businesses. The solutions are built on Lenovo's hybrid AI factory using scalable, modular **Lenovo Validated Designs** which ensure reliability, speed and ease of deployment. By leveraging energy-efficient, powerful NVIDIA-certified Lenovo systems with the latest accelerated computing technology and **NVIDIA Enterprise Reference Architectures**, these solutions minimize deployment risks. **The flexible configurations and sizing options allow organizations to deploy and scale knowledge assistants in various sizes and locations, tailored to their specific needs.**

The Lenovo AI Knowledge Assistant is optimized with NVIDIA and enabled by **the most complete hybrid AI solution with hardware, software, and services.** Our AI experts help organizations to customize the knowledge assistant for different workflows across functions including legal, HR and finance, as well as for engagement and concierge purposes in events, experience centers, and hospitality environments.

Lenovo leverages the **NVIDIA AI Virtual Assistant Blueprint** to develop knowledge agents by integrating NVIDIA Enterprise AI software, accelerated computing, and networking solutions. These NVIDIA blueprints provide reference workflows, deployment tools, and customization guides, enabling Lenovo to create AI agents that enhance customer engagement and streamline operations across various industries.

Lenovo's hybrid AI factory for data centers leveraging **ThinkSystem SR675 V3 server, equipped with NVIDIA H200 NVL GPUs**, NVIDIA Networking and NVIDIA Enterprise AI Software (NVAIE) offers exceptional performance for AI and HPC workloads. The platform scales from a single server with just 4 GPUs as starter environment to a rack scalable unit (SU) as a turnkey infrastructure solution enabling enterprises of all sizes to quickly deploy a hybrid AI factory or extend their existing IT infrastructure.

Lenovo ThinkSystem SR675 V3 Server



Lenovo Validated Designs with NVIDIA

- Speed deployment
- Mitigate risks
- Scale efficiently
- Accelerate ROI

Lenovo Hybrid AI Advantage™ with NVIDIA

Lenovo AI Library	AI Knowledge Assistant	
Services	Use case definition with Lenovo AI Discover & Lenovo AI Fast Start	Customization with Lenovo AI deployment and managed services, including Lenovo TruScale®
Models & Software	Lenovo AI Innovators ISVs and partners	NVIDIA AI Enterprise AI Virtual Assistant Blueprint
Data Management	Lenovo ThinkSystem® DM & Lenovo ThinkSystem® DG Storage	NVIDIA NeMo™
Infrastructure & Devices	Small/Medium/Large	
	Lenovo ThinkStation® with NVIDIA Workbench AI development/pilots	Lenovo ThinkSystem® servers NVIDIA-Certified CPU / GPU / Networking

Why Lenovo and NVIDIA for enterprise AI?

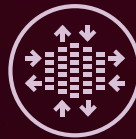
Productivity

Accelerate business value from AI



Agility

Build and operate your Hybrid AI efficiently



Trust

Manage and protect all your AI and data



Lenovo AI Library

Deploy, adopt and manage proven AI agents and AI use cases optimized with NVIDIA

Hybrid AI Factory

Optimize for performance and energy-efficiency with Lenovo Validated Designs and platforms based on NVIDIA-Certified systems and Enterprise Reference Architectures

Lenovo AI Innovators

Access Lenovo-validated AI ISVs and our partner ecosystem with NVIDIA

Experience AI-driven knowledge assistant today

Revolutionize how your organization accesses and utilizes knowledge. **Contact us** to see a demo of an AI-powered knowledge assistant, pilot your solution with your own data, and explore how Lenovo and NVIDIA can elevate your knowledge management strategy.

www.lenovo.com/hybridai

Source

¹ Gartner, "Emerging Tech: Adoption Trends for Generative AI (ID G00809924)," January 2025

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