AI LIBRARY

TURN AI OPPORTUNITY INTO WORKING AI

GET TO PRODUCTION UP TO 24X FASTER[1] WITH PROVEN, CUSTOMIZABLE AI USE CASES FROM THE LENOVO AI LIBRARY

AI is moving deeper into everyday business operations. Agentic AI and AI for physical operations are expanding what organizations can automate, analyze, and act on — from agents that reason across applications to AI that connects intelligence with real-world environments.

But more possibilities can also create a harder question: How do you create a faster path to AI value?

Accelerating time to value means building on proven approaches that reduce the effort of moving high-value AI use cases from concept to enterprise deployment — with the governance, technology, and expertise required to scale.

The Lenovo AI Library helps organizations begin with ready-to-customize AI use cases, agent-building platforms, and solutions designed around real business and industry requirements. Built from hundreds of real-world deployments and validated solutions from a broad ecosystem of technology partners and ISVs, including NVIDIA, Bikal, Centific, and others, the Lenovo AI Library gives organizations established starting points instead of one-off builds.



Only 21% of organizations have deployed agentic AI at scale today.[2]

Most are still exploring, piloting, or working toward broader implementation.

NVIDIA

Smarter technology for all

Lenovo

START WITH WHAT WORKS AND BUILD FOR YOUR BUSINESS

MOVE FASTER WITH AI USE CASES GROUNDED IN REAL-WORLD DEPLOYMENTS

Every new AI initiative brings decisions about architecture, integration, data, workflows, governance, and deployment. Rebuilding those foundations for every application can slow progress before users ever see value.

The Lenovo AI Library provides a more repeatable path by combining reusable building blocks and validated deployment patterns with NVIDIA AI technologies, including NVIDIA AI Blueprints for proven recipes and workflow guidance, NVIDIA NIM™ microservices for optimized inference, and NVIDIA NeMo Guardrails for configurable safety and governance controls.[3] These foundations support a choice of open and proprietary models, giving organizations flexibility to align AI solutions with their data, policies, performance requirements, and existing technology environment.

These use cases and solutions give organizations prebuilt starting points they can customize to their own processes and objectives — helping teams spend less time creating common foundations and more time shaping AI around the business.

PUT AI TO WORK WHERE IT MATTERS

The Lenovo AI Library brings together business, operational, and industry-specific AI use cases to help organizations apply AI where it can improve how people work, leaders make decisions, and operations run. Examples include:

KNOWLEDGE AND AGENTIC AI

- Lenovo Knowledge Super Agent
- Lenovo Super Agent for Retail
- Lenovo Super Agent for Contact Center
- Lenovo Enterprise AI Claw for Personal Productivity
- Lenovo Enterprise AI Claw for ITOps

COMPUTER VISION AND PHYSICAL OPERATIONS

- Lenovo AI Computer Vision
- Lenovo AI Robotic Inspection
- Lenovo AI Computer Vision for Manufacturing with Fogsphere
- Lenovo AI Computer Vision for Retail with Fogsphere

PREDICTIVE INTELLIGENCE AND EDGE ORCHESTRATION

- Lenovo Predictive Maintenance for Retail
- Lenovo AI Predictive Modeling for Oil & Gas
- Lenovo Edge AI Orchestration

Lenovo's AI Innovators Program provides access to 50+ software partners and 165+ validated AI solutions across industries.

Through **Lenovo AI Discover Labs**, partners can test, validate, and launch proofs of concept with guidance from Lenovo AI experts. Each solution is built to scale securely and aligns with Lenovo Responsible AI standards for transparency, data protection, and ethical use. This helps organizations deploy AI with confidence and deliver measurable business outcomes.

PROVE VALUE BEFORE YOU SCALE

Lenovo AI Fast Start helps organizations take a verified Lenovo AI Library agent or use case into a functional pilot within 90 days — helping validate business value and the infrastructure approach before broader deployment. Optimized for **NVIDIA AI Enterprise** and leveraging **NVIDIA NIM™** microservices, it provides a faster path from use case to production readiness.

TURN AI USE CASES INTO ENTERPRISE-READY SOLUTIONS

CONNECT THE CAPABILITIES NEEDED TO CUSTOMIZE, DEPLOY, GOVERN, AND IMPROVE AI OVER TIME

Lenovo combines AI Library use cases with agent platforms, NVIDIA AI technologies, enterprise controls, and ecosystem expertise to help teams move from an initial challenge to an AI solution that fits their organization.

HOW THE PIECES WORK TOGETHER

LENOVO AI LIBRARY

Access customizable use cases, agent-building platforms, and solutions based on validated deployment patterns.

LENOVO XIQ AGENT PLATFORM

Quickly create, customize, deploy, and manage enterprise-ready AI agents with governance and hybrid deployment flexibility built into the platform.

NVIDIA AI BLUEPRINTS + NVIDIA NIM™ MICROSERVICES + NVIDIA NEMO GUARDRAILS

Accelerate agent development with proven recipes and workflow guidance, support optimized model inference and deployment, and apply configurable guardrails for safer, more governed AI interactions.[3]

LENOVO AI INNOVATORS + NVIDIA PARTNER ECOSYSTEM

Extend AI deployments with specialized technologies and expertise from Lenovo-validated AI Innovators and NVIDIA ecosystem partners, including Centific for hospitality, Avathon for safety, Trifork for quality inspection, and WaitTime for smart spaces.

CUSTOMIZE WHERE IT DRIVES VALUE

Reusable frameworks give teams a proven foundation they can adapt to their own enterprise data, workflows, policies, open and proprietary models, and operating requirements.

By reducing the need to rebuild common capabilities, organizations can focus more time and investment on the applications, integrations, and workflows that create measurable business value — helping accelerate the path to ROI.

> #2
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> AI agent development, deployment, and applications have risen to the #2 AI investment priority for the next 12 months.[2]

> 35% fewer SME escalations. 2x faster proposal preparation.[4]
>
> In Lenovo's own deployment of Knowledge Super Agent, escalations to subject-matter experts fell 35%, while sellers prepared customer proposals twice as fast.

A FASTER START IS ONLY THE BEGINNING

CONNECT SUCCESSFUL AI USE CASES TO THE FOUNDATIONS THEY NEED TO SCALE

Moving a promising agent or application into everyday operations also requires the right infrastructure, trusted data, security, governance, and ongoing expertise.

Lenovo Hybrid AI Advantage™ with NVIDIA connects those requirements in one enterprise AI approach — helping organizations take successful use cases into broader production and scale.



ACCELERATE AI INNOVATION — LENOVO AI LIBRARY

Leverage ready-to-customize use cases and agents designed to accelerate time to value and support AI at scale.



OPTIMIZE AI INFRASTRUCTURE — LENOVO HYBRID AI FACTORY WITH NVIDIA

Bring together integrated compute, networking, storage, software, orchestration, and services to operate and scale AI with better performance and economics.



SECURE AND TRUST ENTERPRISE AI — SECURITY, CONTROL, AND SOVEREIGNTY

Protect data and AI assets while supporting governance, compliance, sovereignty, and control across the AI lifecycle.

TAKE SUCCESSFUL AI FURTHER

Lenovo and NVIDIA bring together AI solutions, accelerated computing and AI software, enterprise infrastructure, services, and ecosystem expertise to help organizations put AI to work faster and expand what succeeds.

READY TO PUT YOUR NEXT AI USE CASE TO WORK?

Start with Lenovo AI Discover to identify high-value opportunities and define a practical path from use case to enterprise deployment.

Book an AI Discover workshop today

Explore the Lenovo AI Library

Sources

1 Lenovo, "Lenovo Enables One-Week Deployment of Production-Ready Agentic AI to Transform Enterprise Workflows," Lenovo StoryHub, May 2026
2 Lenovo, "CIO Playbook 2026: The Race for Enterprise AI," Lenovo, January 2026
3 NVIDIA, "NVIDIA and Partners Launch Agentic AI Blueprints to Automate Work for Every Enterprise," NVIDIA Blog, January 2025
4 Lenovo, "Lenovo cuts time spent searching for information by 30% with Knowledge Super Agent," Lenovo StoryHub, August 2026

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