

MODERNIZE YOUR INFRASTRUCTURE WITH CONFIDENCE

A PRACTICAL WHY, WHEN, AND HOW FOR
BREAKING FREE FROM AGING INFRASTRUCTURE



Organizations across every industry are being asked to support more workloads, more data, more security requirements, and AI-enabled initiatives, often with the same teams and facilities already in place.

For many, modernization now comes down to three practical questions: why change, when to act, and how to move forward with less risk.

But legacy infrastructure can only stretch so far. As systems age, small constraints become bigger trade-offs: performance slows, maintenance windows expand, power and cooling costs rise, and IT teams spend more time keeping platforms running than helping the business move forward. Plus, the lack of AI capabilities in legacy infrastructure is rapidly becoming a barrier to growth.

Contemporary modernization encompasses more than just refreshing outdated hardware. Modernization now includes strategic decisions about how your organization will improve efficiency, strengthen resilience, simplify operations, control costs, and build a foundation for AI-ready workloads.



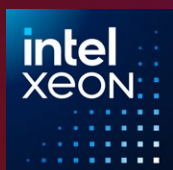
54%
of organizations say the need to upgrade outdated IT infrastructure is a top 2026 IT budget driver.¹



49%
cite increased security concerns as top IT budget drivers.¹



46%
cite supporting company AI initiatives as top IT budget drivers.¹



**Smarter
technology
for all**

Lenovo

WHY CHANGE?

MODERNIZATION IS MOVING UP THE AGENDA

The right modernization strategy helps you move from reactive maintenance to a stronger, more flexible foundation for enterprise growth.



Outdated infrastructure is driving refresh decisions.



Security expectations are rising.



AI and automation are increasing infrastructure demand.



Power, cooling, and operational efficiency are becoming harder to ignore.

MODERNIZE FOR PERFORMANCE, EFFICIENCY, AND READINESS

Lenovo ThinkAgile Series and ThinkSystem servers powered by Intel® Xeon® 6 processors deliver dramatic gains over previous generations, including higher compute performance, faster AI inferencing, more memory bandwidth, stronger consolidation, lower energy consumption, and lower total cost of ownership.

Lenovo and Intel help you modernize with trusted infrastructure, flexible deployment options, and a practical path from today's constraints to tomorrow's opportunities.



LENOVO THINKAGILE FX650 V4 SERIES



LENOVO THINKSYSTEM SR650 V4 SERVER

Powered by the Intel® Xeon® 6 processor — Performance and Efficiency Without Compromise.



WHEN TO ACT?

FINDING THE RIGHT TIME TO MODERNIZE

USE THESE TRIGGERS TO KNOW WHEN WAITING CREATES MORE RISK THAN ACTION

Modernization decisions are not always obvious. Most environments still work but, over time, they start slowing down the business, increasing operational costs, or limiting new initiatives.

If several of these signs feel familiar, it may be time to act.

1 AGING INFRASTRUCTURE IS INCREASING HIDDEN COSTS

Maintenance, patching, downtime risk, and energy use can quietly consume budget that could be redirected toward innovation.

2 VIRTUALIZATION DECISIONS ARE BACK ON THE TABLE

If you are evaluating platforms, rethinking HCI, or planning workload mobility, modernization can help you avoid carrying legacy constraints into your next architecture.

3 GROWTH IS LIMITED BY POWER, COOLING, OR SPACE CONSTRAINTS

When rack density, energy use, or thermal limits block new deployments, consolidation and efficient system design can create capacity without expanding your footprint.

4 SECURITY AND RESILIENCE EXPECTATIONS ARE INCREASING

Compliance, firmware assurance, supply chain integrity, data protection, and recovery requirements are easier to address when security is built into the platform.

5 AI IS CREATING NEW PRESSURE ON THE CORE

AI isn't the only driver, but AI-enabled workflows, automation, analytics, and inferencing are increasing demand for performance, memory bandwidth, improved latencies, data movement, and operational efficiency.

When these triggers appear, waiting rarely reduces risk — it usually adds complexity. Acting now helps you plan deliberately, reduce disruption, and build a platform that supports today's workloads while preparing for what comes next.



of surveyed organizations plan to increase AI investment over the next 12 months, with infrastructure remaining the #1 AI investment priority.²



HOW TO MOVE FORWARD?

LENOVO AND INTEL CAN HELP YOU CONFIDENTLY MODERNIZE

START WITH A FLEXIBLE, VALIDATED FOUNDATION

Modernization should simplify your environment, not add another layer of complexity. The Lenovo ThinkAgile FX Series powered by Intel® Xeon® 6 processors with built-in Intel® AMX AI accelerators gives you a practical path to modernize virtualized and hybrid infrastructure on a flexible, multi-vendor hyperconverged (HCI) appliance.

Powered by Intel® Xeon® 6 processors, the Lenovo ThinkSystem SR650 V4 server provides a flexible, high-performance server foundation for broad enterprise workloads; the Lenovo ThinkAgile FX650 V4 Series offers a validated, preconfigured HCI foundation designed to maximize flexibility and simplify modernization. That open approach helps organizations modernize virtualization, support mixed workload environments, and move forward without locking their strategy to a single software path.

- Optimized, validated, and preconfigured models to reduce integration work.
- Open ecosystem support that gives you more choice across leading virtualization software platforms.
- Flexible architecture that helps you avoid lock-in, support workload mobility, and align infrastructure to your preferred operating model.
- Streamlined deployment, scaling, and lifecycle management.
- ThinkSystem-based performance for enterprise, virtualization, and AI-enabled workloads.



EXPLORE THINKAGILE OPTIONS POWERED BY INTEL® XEON® 6 PROCESSORS FOR THE WAY YOU OPERATE

Lenovo ThinkAgile gives you multiple paths to modernize HCI. Choose ThinkAgile FX Series for a flexible, multi-vendor HCI appliance designed to preserve software choice and support select platform transitions without replacing hardware. Or align to a preferred ecosystem with ThinkAgile HX Series for Nutanix, ThinkAgile MX Series for Microsoft Azure Local Premier Solution, or ThinkAgile VX Series for VMware Cloud Foundation (VCF) and vSAN environments. Each option helps you build on Lenovo engineering, lifecycle support, and Intel® Xeon® 6 processor-based performance while aligning infrastructure to the way your teams operate.



HOW LENOVO PROVIDES A LOWER-RISK PATH

With ThinkAgile FX Series, you can modernize on a flexible HCI foundation that supports software choice across select virtualization platforms. That flexibility helps you align infrastructure to different application requirements, migration timelines, and operating models, instead of forcing every workload into a single path. It also gives IT teams more room to manage workloads across platforms, phase migrations over time, and adapt as business, virtualization, and AI-enabled requirements evolve.

Lenovo services and solution experts help you assess, design, deploy, migrate, and optimize in planned phases, so modernization can move forward without unnecessary disruption.

- Assess your current infrastructure, workload requirements, and modernization triggers.
- Design a right-fit HCI and server foundation aligned to your platform strategy.
- Deploy validated, preconfigured Lenovo infrastructure powered by Intel® Xeon® 6 processors.
- Migrate workloads in planned phases to reduce downtime and operational disruption.
- Optimize performance, efficiency, and scale over time with Lenovo services and management tools.

INTEL® XEON® 6 PERFORMANCE AND EFFICIENCY ADVANTAGES

Lenovo ThinkSystem servers and ThinkAgile series are engineered to help translate Intel® Xeon® 6 processor advancements into practical infrastructure outcomes, including stronger workload performance, higher memory bandwidth, improved AI acceleration, greater consolidation potential, and better energy efficiency.

With Lenovo infrastructure powered by Intel® Xeon® 6 processors, organizations can unlock gains such as:

Up to 50%
higher AI performance³

2.3x
higher memory bandwidth³

Over 2x
AI inference performance vs. competition³

Up to 87%
reduction in total cost of ownership³

MODERNIZE WITH MORE SECURITY AND CONFIDENCE

BUILD INFRASTRUCTURE THAT WORKS HARDER FOR YOUR BUSINESS

Modernization should leave your team with more control, not more complexity. With Lenovo and Intel, you can move from aging systems to a flexible infrastructure foundation built for performance, efficiency, virtualization modernization, and AI-ready workload growth.



WHAT MODERNIZATION MAKES POSSIBLE



OPERATE WITH LESS COMPLEXITY

Lenovo ThinkAgile series powered by Intel® Xeon® 6 processors give you an optimized, validated, and preconfigured HCI foundation that can help reduce deployment complexity and accelerate modernization.



MODERNIZE VIRTUALIZATION ON YOUR TERMS

Modern infrastructure helps improve workload performance, simplify management, and support platform flexibility without locking your strategy to a single path.



SUPPORT TODAY'S WORKLOADS WITH MORE HEADROOM

Support enterprise applications, databases, analytics, collaboration tools, and other core workloads with infrastructure designed for modern demands.



PREPARE FOR AI WITHOUT OVERCOMPLICATING

Prepare for AI-enabled workflows, inferencing, automation, and advanced analytics while continuing to support the business-critical workloads you run every day.



IMPROVE EFFICIENCY AND LONG-TERM TCO

Consolidation, energy-efficient performance, advanced cooling, and flexible consumption options can help reduce infrastructure sprawl and improve long-term TCO.



MOVE FORWARD WITH A PROVEN PARTNER

Lenovo brings global infrastructure expertise, broad services capabilities, proven server reliability, and an expansive partner ecosystem to help you plan, deploy, migrate, and optimize in phases with confidence.





READY TO PLAN YOUR NEXT STEP?

Talk to your Lenovo representative or visit www.lenovo.com/intel-modernize-IT to learn how Lenovo and Intel can help you modernize your infrastructure with performance and efficiency without compromise. Wherever you are in your modernization journey, Lenovo can help you define the right next step.

That's the power of Lenovo with Intel Inside®.

Sources

- 1 Spiceworks, "The 2026 State of IT," December 2025
- 2 Lenovo, "CIO Playbook 2026," January 2026
- 3 Intel, "5 Benefits of Server Modernization," July 2026 <https://www.intel.com/content/www/us/en/content-details/848171/content-details.html>

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