

MODERNIZE WITH WORKLOAD-READY PERFORMANCE

Lenovo ThinkSystem and ThinkAgile solutions powered by Intel® Xeon® 6 processors help you move beyond aging infrastructure with validated platforms optimized for performance, efficiency, and future workload demand.

Aging infrastructure can keep the business running, but it can also limit what comes next. As performance demands, virtualization decisions, security requirements, power and cooling pressure, and AI-enabled workloads increase, modernization becomes a practical path to more headroom, efficiency, and confidence.



of organizations cite the need to upgrade outdated IT infrastructure as a top 2026 IT budget driver.¹



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

WHY THE MODERN PATH WINS

Decision driver	Aging infrastructure limitations	Lenovo solutions powered by Intel® Xeon® 6 processors
Performance	Bottlenecks across critical applications, databases, analytics, and virtualized workloads	2.3x higher memory bandwidth for demanding enterprise workloads ³
Scalability	Growth limited by rack space, power, cooling, memory bandwidth, and sprawl	Intel® Xeon® 6 processors provide up to 10:1 server consolidation ³
Efficiency	More systems to power, cool, maintain, and manage	Intel® Xeon® 6 processors help improve power efficiency, including up to 1.9x performance per watt at 40% utilization versus the prior generation ⁴
Workload readiness	Limited ability to support AI-enabled workflows, automation, inferencing, and data-intensive applications	Built-in Intel® acceleration engines deliver capabilities not available in previous generations, like the Intel® AMX to support demanding AI inferencing workloads
Virtualization modernization	Hardware constraints can complicate platform transitions, workload mobility, and HCI planning	Lenovo ThinkAgile FX650 V4 powered by Intel® Xeon® 6 processors provides a validated HCI foundation that helps reduce integration work and support software choice across select virtualization platforms
Deployment confidence	Integration work, migration risk, and internal justification can slow decisions	Validated, preconfigured solutions and expert Lenovo Services help simplify the path forward

If this is your challenge, this may be your signal



Aging systems are consuming budget that could support higher-value work.



Power, cooling, or space constraints are limiting growth.



Virtualization, HCI, or hybrid cloud decisions are back on the table.



AI-enabled workflows, analytics, automation, or inferencing are becoming part of the roadmap.



CHOOSE THE RIGHT LENOVO + INTEL MODERNIZATION PATH

Start with the modernization outcome, then match the infrastructure path.

Modernization doesn't have to be a disruptive rip-and-replace project. Lenovo helps organizations align the right validated server or HCI foundation to the workloads, operating model, and outcomes that matter most.

PATH 1:

LEGACY MODERNIZATION

Use when: Aging infrastructure is slowing performance, increasing life cycle risk, raising support costs, or limiting capacity for core applications, databases, analytics, or virtualized workloads.

Best fit: Lenovo ThinkSystem SR650 V4 powered by Intel® Xeon® 6 processors for broader infrastructure refresh, dedicated compute needs, and mixed enterprise workloads — plus up to 87% reduction in total cost of ownership (TCO).³

Helps you: Reduce technical debt, improve workload performance, and support consolidation with a platform recognized for record-setting VMmark4 performance among 2-socket servers using Intel® Xeon® 6 processors.⁵

PATH 2:

VIRTUALIZATION MODERNIZATION

Use when: You are evaluating virtualization platforms, rethinking HCI, planning workload mobility, or preserving software choice.

Best fit: Lenovo ThinkAgile FX650 V4 powered by Intel® Xeon® 6 processors for validated HCI modernization with flexible software choice across select virtualization platforms and 2.3x higher memory bandwidth.³

Helps you: Reduce integration work, simplify deployment and scaling, and support a more flexible virtualization strategy with a preconfigured HCI foundation designed for phased modernization.

PATH 3:

AI-READY WORKLOAD GROWTH

Use when: AI, analytics, automation, inferencing, or data-intensive applications are increasing demand.

Best fit: Lenovo ThinkSystem and ThinkAgile solutions powered by Intel® Xeon® 6 processors with built-in accelerators like Intel® AMX for up to 50% higher AI performance compared to competitive options.³

Helps you: Support today's core workloads while preparing for AI-enabled growth with more performance, memory bandwidth, data movement, and acceleration.

FOR LARGER ENTERPRISE WORKLOADS:

For larger consolidation, database, and mission-critical workload requirements, Lenovo also offers four-socket options, including Lenovo ThinkSystem SR850 V4 Series and ThinkSystem SR860 V4 Series powered by Intel® Xeon® 6 processors.

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>
- 4 Intel, "Introducing Intel® Xeon® 6 with Performance Cores: The Powerhouse for Computing," August 2024
- 5 Lenovo Press, "ThinkSystem SR650 V4 Sets World Record with New VMmark4 Benchmark Result," April 2025

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READY TO CONFIRM THE RIGHT FIT?

Lenovo Services and solution experts can help you assess requirements, design the right-fit foundation, deploy validated infrastructure, migrate workloads in phases, and optimize performance and efficiency over time.

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®.

