

Reimagine datacenter space and power for the AI era



More power, please

AI is driving ever-increasing demand for data capacity.

According to McKinsey, global demand for datacenter capacity could rise at an annual rate of between 19 and 22 percent from 2023 to 2030 to reach an annual demand of 171 to 219 gigawatts (GW).¹

88%
Use of AI in 2025²

23%
scaling agentic AI³

However, many organizations are yet to make full use of their existing datacenter footprint...

Space is too precious to waste

100,000 sq ft
average datacenter size worldwide



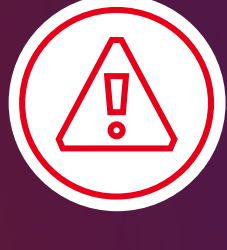
Are you struggling with these datacenter challenges?



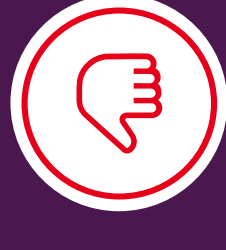
Outdated



Out of warranty



Inefficient



Hard-to-manage

Want to make the most from your existing datacenter footprint?

Remove out-of-warranty servers

Switch to high-density compute

Unleash AI

Optimize power and efficiency

Consolidate with higher density compute to free up the space, energy and resources for AI with Lenovo and AMD

Modernization is more than refresh cycles and replacing old servers. It's about choosing power, flexibility, and energy efficiency – with components that deliver high performance in a smaller footprint to unlock maximum rack space, capacity and value.

Maximize rack space

with high core count AMD EPYC™ CPUs

Up to 3:1

server consolidation vs. older servers with Lenovo V3 servers running on AMD EPYC processors³

Free up power and space

for next-gen AI with AMD Instinct™ GPUs

Less space, more power

Enjoy leadership performance per watt...

- Lenovo servers, powered by AMD EPYC processors, are among the world's most energy-efficient servers.⁴
- Lenovo V3 servers with AMD processors offer 80PLUS Platinum or Titanium certified power supplies – up to 94% efficient.⁵

Double your speeds...

Up to 200% increased performance improvement vs. previous generation with Lenovo V3 servers with AMD processors.⁶

Transform your datacenter with Lenovo and AMD solutions designed to optimize space, reduce power demands, and prepare for AI.

[Learn More](#)



¹ <https://www.mckinsey.com/industries/technology-media-and-telecommunications/our-insights/ai-power-expanding-data-center-capacity-to-meet-growing-demand>

² <https://www.mckinsey.com/capabilities/quantumblack/our-insights/the-state-of-ai>

³ VMmark 3.1x results, as of 11/14/25. Two Lenovo ThinkSystem SR665 V3 servers, each with two AMD EPYC 9654 processors, scored 40.66 @ 42 tiles. See <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2023-06-13-Lenovo-ThinkSystem-SR665V3.pdf> for further details. Two HPE servers, each with two AMD EPYC 7702 processors, scored 12.78 @ 14 tiles. See <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2019-08-07-HPE-ProLiant-DL385Gen10.pdf> for further details. To find out more about VMmark, visit <https://www.vmware.com/products/vmmark.html>. VMware® and VMmark® are trademarks or registered trademarks of VMware, Inc. VMware VMmark is a product of VMware, Inc. Actual consolidation results will vary based on many factors.

⁴ Lenovo ThinkSystem servers with AMD processors have eight of the top ten SPECpower_ssj²⁰⁰⁸ results | [Rank - overall ssj_ops/watt] #3 - 42,312; #4 - 42,182; #5 - 41,526; #6 - 41,427; #7 - 40,785; #8 - 40,528; #9 - 40,278; #10 - 40,013 results as of 11/14/2025. See <http://www.spec.org> for additional information. SPEC® and SPECpower_ssj are registered trademarks of the Standard Performance Evaluation Corporation.

⁵ CLEARResult™: What do the different PSU (power supply units) ratings mean? 2026 <https://www.clearresult.com/80plus/80plus-psu-ratings-explained>

⁶ Lenovo SR665 V3 with 2xAMD EPYC 9845 160-core processors achieved a SPECrate2017_fp_base score of 2140 compared to 636 for the Lenovo SR665 with 2x AMD EPYC 7763 64-core processors. See <https://www.spec.org/cpu2017/results/res2025q2/cpu2017-20250529-48378.html> and <https://www.spec.org/cpu2017/results/res2021q1/cpu2017-20210302-25198.html> for complete details. Results are current as of 11/14/2025. See <http://www.spec.org> for additional information. SPEC®, SPEC ACCEL®, SPEC CPU®, SPEC MPI®, SPEC OMP®, SPEC VIRT_SC®, SPEC VIRT®, SPECchpc™, SPECjbb®, and SPECpower_ssj® are trademarks of the Standard Performance Evaluation Corporation (SPEC).