Reimagine datacenter space and power for the AI era

Lenovo AMD

More power, please

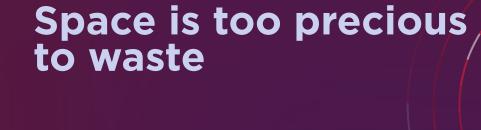
All is driving ever-increasing demand for data capacity.

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



existing datacenter footprint...

However, many organizations are yet to make full use of their



average datacenter size worldwide

100,000 sq ft †

Are you struggling with these datacenter challenges?



Outdated



warranty

Out of



datacenter footprint?

Inefficient



Hard-to-

manage

Remove out-of-Switch to high-

Want to make the most from your existing

Unleash Al

warranty servers

Optimize power

and efficiency

density compute

Consolidate with higher density compute

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.

Free up power

and space for next-gen AI with

to free up the space, energy and resources

Maximize Up to 3:1

for AI with Lenovo and AMD

rack space

with high core count

AMD EPYC™ CPUs

server consolidation vs. older servers with Lenovo V3 servers

running on AMD EPYC processors.3

AMD Instinct™ accelerators

Enjoy leadership performance per watt... Lenovo servers, powered by AMD EPYC processors, are among the world's

Less space, more power

most energy-efficient servers. Lenovo V3 servers with AMD processors offer 80PLUS Platinum or Titanium

Lenovo V3 servers with AMD processors.5

Double your speeds...

certified power supplies - up to 94% efficient.4

Transform your datacenter with Lenovo and AMD solutions designed to optimize space, reduce power

demands, and prepare for AI.

Up to 123% increased performance improvement vs. previous generation with

Learn More

AMD

Lenovo

https://www.mckinsey.com/industries/technology-media-and-telecommunications/our-insights/ai-power-expanding-data-center-capacity-to-meet-growing-demand "Lenovo V3 servers with 4th generation AMD EPYC" processors offer up to 3:1 server consolidation over older servers."...or "Achieve 3:1 server consolidation" .or "ThinkSystem V3 servers

visit https://www.rmware.com/products/vmmark.html. VMware* and VMmark* are trademarks or registered trademarks of VMware, Inc. VMware VMmark is a product of VMware, Inc. Actual ⁴ CLEAResult. "What does Bronze, Silver, Gold, Platinum, and Titanium PSU (power supply units) rating mean?" 2024 ⁵ Claim: "Lenovo V3 servers with AMD processors offer up to 123% performance improvement over the previous generation" Footnote: Lenovo SR675 V3 with two 2.55 GHz AMD EPYC 9684X

with 4th generation AMD EPYC processors make 3:1 server consolidation possible for virtualized workloads when compared with second-generation AMD EPYC processors." Footnote: VMmark 3.1.x results, as of 10/20/23. Two Lenovo ThinkSystem SR665 V3 servers, each with two AMD EPYC 9654 processors, scored 40.66 @ 42 tiles. See https://www.wmware.com/content/dam/ digitalmarketing/vmware/en/pdf/vmmark/2024-06-13-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.mware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2019-08-07-HPE-ProLiant-DL385Gen10.pdf for further details. To find out more about VMmark,

ors achieved a SPECrate*2017_fp_base score of 1570 compared to 702 for the Lenovo ThinkSystem SR665 with two 2.20 GHz AMD EPYC 7773X processors. See https://www.spec org/cpu2017/results/res2024q3/cpu2017-20240828-38895.html and https://www.spec.org/cpu2017/results/res2022q3/cpu2017-20220704-32171.html for complete details. Results are current as of Oct 18, 2024. See http://www.spec.org for additional information. SPEC*, SPEC ACCEL*, SPEC CPU*, SPEC MPI*, SPEC OMP*, SPEC VIRT_SC*, SPEC VIRT*, SPEChpc™, SPECjbb*, and SPECpower_ssj* are trademarks of the Standard Performance Evaluation Corporation (SPEC).

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