Lenovo AMD



Where do you start? What are your next steps? No matter if you're just beginning—or well on your way—it pays to

remember these five key steps to ensure your AI journey is as powerful, productive, secure and efficient as possible.



Be clear on costs As AI workloads scale, everything scales. Anticipate the resources and investment you'll need to drive AI, including such factors as:



Software **Hardware**

Get the



External specialists



Find the right platform to support your Al development testing, training and inference workloads. **CPUs** - Many of the latest CPUs are AI-ready, offering

efficiency advantages over GPUs for small- to mid-sized Al model development, testing, and inference...

GPUs - GPUs are typically ideal for developing and training

power you need

larger models at speed and low overall total cost of ownership (TCO). Embrace a flexible platform that offers all the benefits of CPUs with the ability to efficiently scale up to GPU power as needed.

processors offer:

Lenovo ThinkSystem servers with AMD EPYC™

ThinkSystem servers.¹

100%

more cores supported than prior generation

Delivering design excellence, faster than ever

up to 88% better performance for

virtualization applications

than previous generation.²

consultancy to run engineering simulations at phenomenal speeds. Read case study >

updated infrastructure.

Lenovo ThinkSystem servers featuring AMD EPYC processors enabled a



Energy-efficient Modern cooling servers Combined Air and Lenovo Lenovo V3 servers with

AMD processors offer 80

3 Optimize for efficiency

Advance your cost and efficiency goals with

PLUS Platinum or Titanium offers up to 40% reduced certified power supplies power consumption up to 94% efficient.³ compared to traditional

Predictive management tools XClarity One powered by

greater efficiency.5 Do you have what it takes to power your Al workloads?

Small/medium

models

Mixed workloads and

AlOps provides autonomous

hardware operations &

workload optimization for

air-cooling.4 **Fewer servers**

systems

Neptune® Liquid Cooling

Up to 3:1 server consolidation vs. older servers with Lenovo V3 servers running on AMD EPYC processors.6

consolidation Enterprise Al High performance Leadership Mixed workload

and energy for new Al workloads

Exceptional efficiency

Find the space, funds

performance

Make room for Al

in your datacenter

Workload

end-to-end expert support.

• Batch & small-scale real-time inference

models and classical ML

deployments

• Small to medium

Reduce energy consumption and free up time and resources with Lenovo's self-healing, self-optimizing infrastructure - and dedicated

Qualified/certified with advanced **GPUs**

Extensive

scalability

Large AI models &

training

Proven AI host CPU/GPU host

Cybersecurity and Al are the top two priorities for CIOs.7

Lenovo servers have been rated the most secure x86 servers in the industry

Infinity Guard delivers a powerful set of modern security features to help

Lenovo ThinkShield provides protection at every level, including AI for threat detection and response. Lenovo ThinkShield security capabilities are enhanced with AMD Infinity Guard on ThinkSystem servers using AMD EPYC processors.9 Designed to be highly resistant to today's sophisticated attacks, AMD

The industry's most secure servers

for the last five years.8

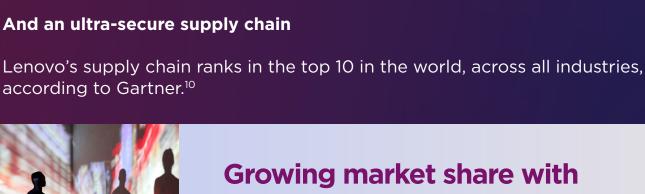
Secure from

supply chain up

Performance and efficiency are nothing without security.

protect sensitive data, avoid downtime, and reduce resource drain.

Growing market share with new capabilities



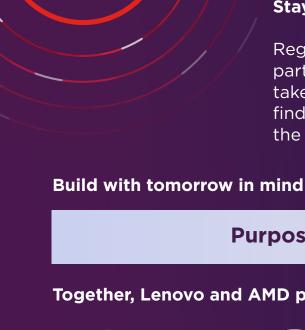
5 Focus on what's next

customer demand.11

Stay up-to-date

AMD EPYC processors.

Read case study >



partner with a trusted managed service provider to take care of routine tasks and free up your team to find those all-important little improvements - and the next big thing.

Purpose-built, future-proofed

Enabling a state-of-the-art surveillance company to offer market leading security with Lenovo servers featuring

Organizations with strong cultures are more likely to lead the way in innovation and meet emerging

Regularly upgrade AI hardware and software, and

to architect their AI vision with a solid foundation of cutting-edge for tomorrow's innovations.

Efficiency Reliability Over 150 benchmarking world records. 12

...or "Achieve 3:1 server consolidation" .or "ThinkSystem V3 servers 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.mware.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.ymware.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.mware.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 Lenovo, "Inside the Tornado: Lenovo Global CIO Report 2024," April 2024

AMD Lenovo Lenovo, "Lenovo ThinkSystem SR665 V3 Server Product Guide," September 2024

https://news.lenovo.com/pressroom/press-releases/lenovo-delivers-next-gen-of-intel-based-infrastructure-solutions-to-simplify-ai-journey "Lenovo V3 servers with 4th generation AMD EPYC™ processors offer up to 3:1 server consolidation over older servers

Performance Security Features Lenovo's AI solutions, powered by AMD EPYC processors, are specially designed to handle intensive AI workloads while keeping energy use low and costs manageable. Together, we're empowering businesses infrastructure and expert guidance - making today's investments ready

Together, Lenovo and AMD provide datacenters with outstanding:



²VMmark* 3.11 results, as of October 18, 2023. See https://www.ymware.com/content/dam/digitalmarketing/vmware/ en/pdf/vmmark/2021-05-04-Lenovo-ThinkSystem-SR665.pdf for further details. VMware and VMmark are trademarks or registered trademarks of VMware, Inc. VMware VMmark is a product of VMware, Inc. ³ CLEAResult, "What does Bronze, Silver, Gold, Platinum, and Titanium PSU (power supply units) rating mean?" 2024 4 https://news.lenovo.com/pressroom/press-releases/wins-seal-sustainability-environmental-achievement-and-leadership/

BITIC, "ITIC 2023 Global Server HW, Server OS Reliability Report," September 2023

AMD Infinity Guard features vary by EPYC™ Processor generations and/or series. Infinity Guard security features must be enabled by server OEMs and/or Cloud Service Providers to operate. Check with your OEM or provider to confirm support of these features. Learn more about Infinity Guard at https://www.amd.com/en/technologies/infinity-guard. GD-183A Lenovo, "Lenovo ranks 10th in the Gartner" Supply Chain Top 25 for 2024 report," May 2024 McKinsey, "How innovative companies leverage tech to outperform," December 2023
 AMD, "AMD EPYC™ Processor World Records," September 2024