

Your AI journey in 5 steps



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.



1 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:



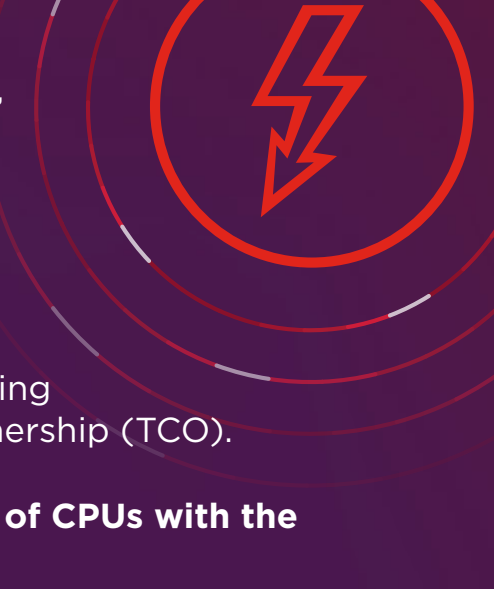
2 Get the power you need

Find the right platform to support your AI 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 AI model development, testing, and inference.

GPUs - GPUs are typically ideal for developing and training 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.



Lenovo ThinkSystem servers with AMD EPYC™ processors offer:

150% more cores supported than prior generation ThinkSystem servers.¹

up to 88% better performance for virtualization applications than previous generation.²

Delivering design excellence, faster than ever

Lenovo ThinkSystem servers featuring AMD EPYC processors enabled a consultancy to run engineering simulations at phenomenal speeds.

[Read case study >](#)



3 Optimize for efficiency

Advance with updated infrastructure.

Energy-efficient servers Lenovo V3 servers with AMD processors offer 80 PLUS Platinum or Titanium certified power supplies – up to 94% efficient. ³	Modern cooling systems Combined air and Lenovo Neptune® Liquid Cooling offers up to 40% energy efficiency compared to traditional air-cooling. ⁴
Predictive management tools XClarity™ One powered by AI Ops provides autonomous hardware operations & workload optimization for greater efficiency.	Fewer servers Up to 3:1 server consolidation vs. older servers with Lenovo V3 servers running on AMD EPYC processors. ⁵

Do you have what it takes to power your AI workloads?

Make room for AI in your datacenter Workload consolidation <ul style="list-style-type: none">Leadership performanceExceptional efficiencyFind the space, funds and energy for new AI workloads	Small/medium models Mixed workloads and Enterprise AI <ul style="list-style-type: none">Mixed workload deploymentsSmall to medium models and classical MLBatch & small-scale real-time inference	Large AI models & training Proven AI host CPU/GPU host <ul style="list-style-type: none">High performanceExtensive scalabilityQualified/certified with advanced GPUs
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Reduce energy consumption and free up time and resources with Lenovo's self-healing, self-optimizing infrastructure – and dedicated end-to-end expert support.

4 Secure from supply chain up

Performance and efficiency are nothing without security.

Lack of responsible AI and poor data security rank among the top enterprise AI trust concerns.⁶

The industry's most secure servers

Lenovo servers have been rated the most secure x86 servers in the industry for five years.⁷

- 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.⁸
- Designed to be highly resistant to today's sophisticated attacks, AMD Infinity Guard delivers a powerful set of modern security features to help protect sensitive data, avoid downtime, and reduce resource drain.

And an ultra-secure supply chain

Lenovo's supply chain ranks in the top 10 in the world, across all industries, according to Gartner.⁹



Growing market share with new capabilities

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

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5 Focus on what's next

Organizations that embed AI into core business processes are significantly more likely to report revenue growth and competitive advantage.¹⁰

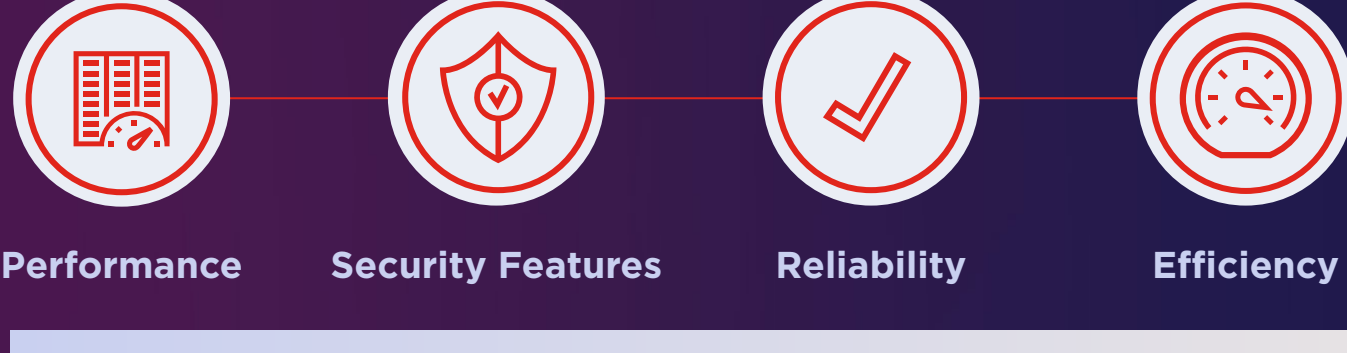
Stay up-to-date

Regularly upgrade AI hardware and software, and 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.

Build with tomorrow in mind

Purpose-built, future-proofed

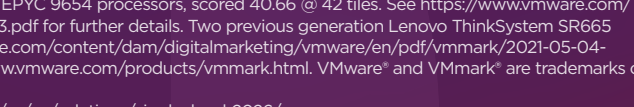
Together, Lenovo and AMD provide datacenters with outstanding:



Over 190 benchmarking world records.¹¹

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 to architect their AI vision with a solid foundation of cutting-edge infrastructure and expert guidance – making today's investments ready for tomorrow's innovations.

[Learn More](#)



¹https://lenovopress.lenovo.com/pl1608-thinksystem-sr665-v3-server. Explanation: The SR665 V3 supports up to 2x160-core processors = 320 cores max. The previous generation system (SR665) supported up to 2x64-core processors = 128 cores max.
²VMmark 3.11 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/2025-06-15-Lenovo-ThinkSystem-SR665V3.pdf for further details. Two previous generation Lenovo ThinkSystem SR665 servers, each with two AMD EPYC 7763 processors, scored 21.58 @ 24 tiles. See https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2021-05-04-Lenovo-ThinkSystem-SR665.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.
³CLEAResult, "What do the different PSU (power supply units) ratings mean? 2026 https://www.clearresult.com/80plus/80plus-psu-ratings-explained
⁴Select Lenovo V3 servers powered by AMD processors use Lenovo Neptune® Direct Water Cooling, which lets you increase your power efficiency by up to 40%.
⁵https://lenovopress.lenovo.com/pl1612-lenovo-thinksystem-sr665-v3-server
⁶VMmark 3.11 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/2025-06-15-Lenovo-ThinkSystem-SR665V3.pdf for further details. Two previous generation Lenovo ThinkSystem SR665 servers, each with two AMD EPYC 7763 processors, scored 21.58 @ 24 tiles. See https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2021-05-04-Lenovo-ThinkSystem-SR665.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.
⁷IDC & Lenovo. (2026). CIO Playbook 2026: The Race for Enterprise AI. IDC. https://www.lenovo.com/us/en/solutions/cioplaybook2026/
⁸ITC Reliability Study (2025) https://lenovopress.lenovo.com/pl117-tcreliability-study
⁹AMD 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.
¹⁰Lenovo. (2025). Lenovo Ranks 8th in Gartner Supply Chain Top 25 for 2025. Lenovo Press Release. https://news.lenovo.com/pressroom/press-releases/lenovo-ranks-8th-in-the-gartner-supply-chain-top-25-for-2025/
¹¹McKinsey & Company. (2025). The State of AI 2025. https://www.mckinsey.com/capabilities/quantumblack/our-insights/the-state-of-ai
¹²https://www.amd.com/en/products/processors/server/epyc/epyc-world-records.html, as of 11/14/25.