

The drive to modernize enterprise infrastructure.

Lenovo

AMD

Does your data center deliver the performance your organization needs to thrive?

For many businesses, the answer is no. The demands of modern computing keep growing, putting increasing pressure on data centers as IT teams are called upon to deliver resource-heavy workloads such as AI, virtualization, and edge computing. Each new technology has its own resource demands, security, performance, scalability, and compatibility requirements for the data center to support.

With most servers around three to five years old, many data centers aren't equipped to carry their organizations into the future.

According to IDC research, 85% of leaders understand that their digital infrastructure is critical or important to achieving their goals.¹ But in many cases, there's a gap between their aspirations and the capabilities of their infrastructure. If they want to succeed, they'll need to modernize—and soon.

If your data center is struggling to keep up with evolving technology demands, upgrading your servers can help you enhance performance, strengthen security, simplify management, and boost efficiency.



Here's how:

Modern servers deliver consistent, competitive performance

The older they get, the more servers struggle with high-demand workloads. And as processing demands continue to grow, it's only going to get more difficult for IT teams to consistently support the high level of performance a leading business needs.

Nearly two-thirds of organizations are repatriating workloads from public clouds into their own data centers or private clouds.² Alongside the ever-expanding range of new workloads—with 88% of organizations planning to use edge computing in the next year, and 80% planning to use AI³—this will put increasing pressure on their infrastructure.

The latest servers deliver higher speeds, greater capacity, and the flexibility to adapt as your organization adopts of new technologies with intense IT demands.

Worry-free operations with the latest security and updates

Few businesses can afford to experience frequent, unplanned outages in their data center.

Security breaches are the top cause of unexpected downtime for 78% of businesses⁴, and without the regular updates and patches of a modern infrastructure, older servers are highly vulnerable. And while IT teams scramble to find the cause of an outage and get everything back up and running, you run the risk of losing data, money, and customer goodwill.

With 2023 seeing nearly 700 million records breached in verified cyberattacks by the end of August⁵, it's no surprise that 51% of leaders are increasing their IT budgets to prioritize network security.⁶

Nearly half of organizations are also dedicating more budget to hardware upgrades that target reliability.⁷ It's another common cause of disruption; the longer older components are deployed, the greater the risk of failure.

A refreshed infrastructure means new servers and processors with upgraded components that not only perform better, but last longer than older components with consistent uptime and the latest security measures included.

Learn more about the four top benefits of upgraded servers in our [quick-reference guide to infrastructure modernization](#).

Say goodbye to management headaches

Over time, infrastructure often becomes more complex. Organizations expand their capacity, introduce different software, and add new servers—all of which make managing the IT environment a more complex task.

Modernizing your infrastructure is the ideal time to remove some of that complexity, by consolidating your rack space, ensuring compatibility across your hardware, and centralizing management.

And there are ways to take that simplicity a step further: leading providers now offer as-a-Service models for hardware, which allow IT teams to outsource everything from specification and provisioning to deployment and ongoing management.

The ability to “bundle and kit” different hardware components using an as-a-Service approach allows organizations to align their technology more closely with business requirements.⁸ This could explain why 40% of business leaders are interested in flexible purchasing options for their hardware⁹—an approach that’s already hugely popular in the software market.

A more efficient way to run your data center

There’s increasing pressure for organizations to factor their environmental and societal impact into new initiatives. The overwhelming majority (83%) of leaders want their digital transformation to contribute to the greater good.¹⁰

Nearly half of organizations plan to invest in more energy efficient tech; data centers are notoriously energy-hungry, which means they’re a prime candidate for servers that are more energy efficient. Modern servers are an ideal and highly effective route to reducing energy usage and emissions in the data center, as they’re built to use resources more efficiently without sacrificing performance.

And for the 48% of leaders who are looking for a more sustainable way to dispose of their retired assets¹¹, the as-a-Service approach also links organizations into a stronger ecosystem of asset renewal and recycling.



Now is the moment to modernize

Many organizations have invested heavily in their infrastructure, and it's a difficult decision to retire that technology in favor of new servers.

But putting off modernization has hidden costs, as you spend more on maintenance, risk more disruptive downtime, and watch your competitors find success with AI and other emerging technologies.

Lenovo ThinkSystem, ThinkAgile and ThinkEdge systems with AMD EPYC™ processors deliver the four core benefits of modernization: greater performance¹², consistent security and reliability¹³, simpler management, and a more efficient way to operate.¹⁴

For a more in-depth look at infrastructure modernization, its benefits, and how our combined technologies could transform your data center, read our new guide, [The high cost of doing nothing: Why it's time to modernize your infrastructure.](#)

¹<https://pages.lenovo.com/AP-DCG-CIO-Playbook-LinkedIn-Landing-Page.html>

²<https://pages.lenovo.com/AP-DCG-CIO-Playbook-LinkedIn-Landing-Page.html>

³<https://pages.lenovo.com/AP-DCG-CIO-Playbook-LinkedIn-Landing-Page.html>

⁴<https://www.lenovo.com/us/en/resources/data-center-solutions/analyst-reports/itc-global-server-hardware-server-os-reliability-2021-2022-winter-update/>

⁵<https://www.itgovernance.co.uk/blog/list-of-data-breaches-and-cyber-attacks-in-2023>

⁶https://techtoday.lenovo.com/origind8/sites/default/files/2022-09/Smarter_Solutions_eBook.pdf

⁷https://techtoday.lenovo.com/origind8/sites/default/files/2022-09/Smarter_Solutions_eBook.pdf

⁸<https://www.lenovo.com/us/en/resources/data-center-solutions/analyst-reports/itc-global-server-hardware-server-os-reliability-2021-2022-winter-update/>

⁹https://techtoday.lenovo.com/origind8/sites/default/files/2022-09/Smarter_Solutions_eBook.pdf

¹⁰https://techtoday.lenovo.com/origind8/sites/default/files/2022-09/Smarter_Solutions_eBook.pdf

¹¹https://techtoday.lenovo.com/origind8/sites/default/files/2022-09/Smarter_Solutions_eBook.pdf

¹²<https://lenovopress.lenovo.com/lp1145-lenovo-thinksystem-continues-to-lead-the-industry-in-performance>

¹³<https://www.lenovo.com/us/en/resources/data-center-solutions/analyst-reports/itc-global-server-hardware-server-os-reliability-2021-2022-winter-update/>

¹⁴https://s7d1.scene7.com/is/content/Lenovoassetsprod/ISG_V3_Tech_Brief_Server_Consolidation.pdf