



Smarter  
technology  
for all

Lenovo

# Streamline your IT transformation and accelerate your hybrid cloud migration



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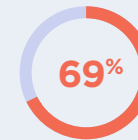
Creating an efficient and scalable hybrid cloud environment ensures you have the tools and information needed to keep your employees connected and engaged — doing their best work from anywhere so your IT teams can focus on innovation and growth.

Lenovo offers a seamless infrastructure ecosystem, removing barriers to IT transformation and hybrid cloud implementation. Simplify support, safeguard data, and provide your teams the flexibility to thrive.

## The cure for overwhelmed IT teams

IT teams are equipping and supporting a work-from-anywhere workforce while managing an increasingly distributed and complex compute environment. These teams are also balancing growing information demands constrained by existing data center space.

The solution is clear. Cloud computing offers IT teams the agile, scalable solution they want within their budget and management capabilities. Based on a 2022 Foundry study on cloud computing,



of IT decision-makers (ITDMs) surveyed said their organization had accelerated its migration to the cloud in the past year.<sup>1</sup>



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# The power of cloud flexibility

Often, organizations turn to a mix of public and private cloud solutions. This approach provides the ability to stage the migrations, prioritize applications best suited for the public cloud, and account for regulatory requirements. Organizations looking for the most agility, resilience, and flexibility look to this hybrid cloud approach. The challenge is in the implementation.

Migrating to a hybrid cloud provides more consistent operations, effortless mobility, and placement flexibility for your workloads and data. The hybrid cloud also allows IT teams to automate on-premises processes with efficiencies previously limited to the public cloud. **59% of IT leaders surveyed reported cost reductions of up to 30% for teams that have implemented automation.**<sup>2</sup>

But the great migration to the cloud hasn't been easy.

IT leaders are searching for experts who understand the demands of hybrid cloud implementation and services prepared to adapt to any environment.



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40%

of ITDMs surveyed said they needed better cloud management solutions.<sup>1</sup>



35%

of ITDMs surveyed said they needed guidance on cloud strategy.<sup>1</sup>



32%

ITDMs estimate that their organizations waste 32% of their cloud spend on technology that doesn't fit the workload.<sup>3</sup>

72%



Regulatory and privacy concerns limit where data and workloads can be located. This is one of the many reasons 72% of enterprises surveyed described their cloud strategy as **hybrid-first or private-first**, not cloud-first.<sup>4</sup>

# The arrival of smarter hybrid cloud solutions

From server to software, Lenovo has mastered the cloud with an end-to-end approach. Our flexible hybrid solutions make your path to the cloud seamless, secure, and clear. The foundation of your hybrid cloud strategy starts with these four cornerstones.



## Customization

Lenovo designs customizable hybrid cloud solutions that are easier to deploy, monitor, and manage, with the advantages of on-premises control and security as well as the flexibility and scalability of the cloud.



## Expertise

Our experts will assess your data center infrastructure, design the best solution, and implement it following your objectives, workload types, integrated platforms, and application-specific infrastructure. You can remain confident that your organization's online resources are running, inventory is being tracked, and information is readily and consistently available — all within a simple subscription model to make the most of your budget.



## Integration

Our open architecture means you can choose the right cloud software partner for your organization and desired business outcomes with Lenovo as your convenient, global single source of accountability and support.

## Sustainability

Lenovo also ensures a foundation of sustainability your organization can be proud of, including:

- Lenovo CO<sub>2</sub> Carbon Offset Services that support United Nations CO<sub>2</sub> offset projects including reforestation, renewable energy, and solar
- Industry-leading Lenovo Neptune™ alternative cooling solutions ranging from liquid-assisted air cooling to direct water-cooled CPUs and GPUs, delivering power-saving efficiencies
- A unique server packaging solution that reduces marine plastic litter and carbon emissions and ensures server package materials are recycled and are environment-friendly
- Lenovo Asset Recovery Services, helping mitigate environmental and data security risks associated with end-of-life asset disposal

**How well do your work processes lend themselves to cloud migration? Find out now with our [cloud assessment tool](#).**



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# Smarter data center solutions

Lenovo is the only IT provider with end-to-end manufacturing, owning the entire supply chain with 37 manufacturing facilities delivering a unique level of security and seamlessness. Our experts work with you and provide the perfect mix of solutions for your hybrid cloud needs — all easily deployed, provisioned, and managed via your choice of leading virtualization and container software or **Lenovo XClarity**® software.



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## ThinkSystem™ >>

Lenovo ThinkSystem, powered by Intel® Xeon® Scalable processors, was designed as the perfect solution for dedicated compute, storage, and networking needs with unmatched value, flexibility, and industry-leading efficiency from the most reliable servers on the market.<sup>5</sup> Use ThinkSystem to accelerate performance, boost IOPS, and increase density with adaptive caching algorithms engineered for workloads ranging from high-IOPS or bandwidth-intensive streaming applications to high-performance storage consolidation. Or employ ThinkSystem's all-flash and hybrid storage arrays for a cost-effective, unified block-and-file storage solution.

## ThinkAgile™ >>

ThinkAgile solutions, powered by Intel® Xeon® Scalable processors, combine Lenovo's legendary, reliable ThinkSystem infrastructure with independent software vendor (ISV) features, support, and deployment services for hyperconverged solutions, maximizing efficiency and scalability to extend the capacity of existing data centers. ThinkAgile provides the ease and speed of a public cloud with the security and control of on-premises IT — reducing footprint and energy usage in the process.

## Lenovo XClarity >>

Simplify, accelerate, and automate the deployment and management of Lenovo infrastructure so you have time to focus on other high-value projects. XClarity also integrates into external IT applications so you can manage Lenovo infrastructure in the console of the software you already use.

## ThinkShield >>

The ThinkShield hardware-embedded and security software portfolio is designed on Zero Trust principles to safeguard all the physical layers of a device, building protections for holistic and comprehensive security coverage while reducing breaches and help desk tickets.



## Wide open for integrations

Our open ecosystem draws from partnerships with leading software brands including Microsoft, VMware, Nutanix, SAP, and Veeam, providing the flexibility to tailor infrastructure architecture solutions to your existing infrastructure.

Since our solutions do not require proprietary technology, the ecosystem or integration points are not limited. Our open architecture means you can choose the right cloud software partner for your organization and desired business outcomes with Lenovo as your convenient single source of accountability and support.

Implementation services are available for installations, deployments, and configuration to simplify the integration process.

Learn more about or [infrastructure partnerships](#).



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# Expert insights and transformation solutions

Our experts help kick-start your IT transformation and digital innovation with in-depth guidance for your architecture and advanced infrastructure initiatives.



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## Big data and analytics >>

Lenovo-engineered servers enable industry-leading transaction processing and outstanding scalability to grow as workloads grow. High throughput capacity helps you respond quickly, make informed decisions, and deliver faster time to value.



## High-performance computing >>

Lenovo customizes high-performance computing (HPC) solutions to your workload, workflow, and workforce. As the global leader in HPC, Lenovo works closely with key industry partners to develop, integrate, and deploy the technologies of exascale-level computing to organizations of all sizes. Our Neptune™ Liquid Cooling Technologies can save you up to 40% on energy compared to a traditional air-cooled data center.



## Client hosting (VDI) >>

Lenovo client virtualization solutions include virtual desktop and virtual application offerings that use reliable and high-performance Lenovo hardware combined with industry-leading VDI software. Lenovo's VDI experts will help you simplify desktop administration, enhance security, improve availability, and support productivity from anywhere with any device.



## Edge computing >>

The Lenovo Edge ecosystem is open and flexible, integrating with all key cloud providers for cost-effective and resilient edge solutions that are easy to deploy and simple to operate, maximizing edge workload performance. Our edge servers are rugged and secure with physical tamper-proofing and data encryption, and they're designed to withstand conditions of all kinds.



## Data protection and availability >>

Our best-in-class data protection delivers intelligent data management across diverse hybrid cloud environments and workloads, streamlined data protection with automation and orchestration, improved data availability, accelerated application performance, and reduced infrastructure costs.

**Lenovo makes your transformation productive, collaborative, and agile — freeing up your time for strategic initiatives.**

[Learn more >>](#)

# Lenovo TruScale for the ultimate in hybrid cloud flexibility

Get all the power and strategic advantage of the latest, most secure data center hardware in a pay-as-you-go model — reducing your team's workload and focusing on transformation.

Accelerated and up-to-date infrastructure solutions can be delivered on-premises, off-premises (with leading public and private cloud providers), and even across multiple clouds.



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## TruScale hybrid cloud with Microsoft >>

Run hybrid cloud environments from the edge and benefit from consumption-based pricing. Standardized Hyper-V architecture helps your team manage existing virtualization and storage processes while delivering a seamless customer experience.

## TruScale hybrid cloud with VMware >>

Joint solutions from VMware and Lenovo use virtualization, containers, and aaS (as a Service) capabilities to improve hardware usage, speed up provisioning of applications and resources, and reduce power usage and data center footprint.

## RISE with SAP S/4HANA Cloud, Private Edition customer data center option with Lenovo TruScale >>

Lenovo TruScale provides an OpEx-based, cloud-like experience with infrastructure on-premises and is available for all SAP business applications and SAP HANA® implementations. This can be combined with the RISE with SAP S/4HANA Cloud, Private Edition customer data center option to provide a complete managed service through SAP.

## Pivoting to remote work with Lenovo TruScale

Find out more about TruScale and how one large services company seamlessly and rapidly transitioned to remote work within a pay-as-you-go hybrid cloud model with Lenovo TruScale Infrastructure as a Service.

[Learn more >>](#)



# Building your solid hybrid cloud strategy

Lenovo has the unique expertise to design the best hybrid cloud strategy for secure, rapid data migration and the services to manage and streamline your processes.

Empower your team to offer more reliable and accessible information for your organization, an agile foundation to develop customer solutions, and the efficiency of sustainable solutions — solving global demands while solving your team's demands.

Visit the [Lenovo data center solutions page](#) or contact us to connect with a [Lenovo hybrid cloud representative](#).



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#### Sources

- 1 Foundry, "Cloud Computing Study 2022," April 2022
- 2 Deloitte, "Tech Trends 2022," April 2022
- 3 Flexera, "2022 State of the Cloud Report," March 2022
- 4 Everest Group, "How to Explain Hybrid Cloud in Plain English," August 2020
- 5 ITIC, "2021 Global Server Hardware, Server OS Reliability Report," July 2021



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