

Simplify hybrid cloud with hyperconverged solutions from Lenovo and Intel

Lenovo and Intel have combined our expertise to create turnkey hybrid cloud platforms that offer fast deployment, increased performance, support for sustainability initiatives, and protection for the most sensitive data. And with Lenovo TruScale, you can innovate without constraint.



4th Gen
Intel® Xeon®
Platinum
processor

Smarter
technology
for all

Lenovo



The road to hybrid cloud

The shift to cloud is accelerating and many organizations are taking a hybrid approach, combining the use of private and public clouds. How can you deploy an effective hybrid cloud infrastructure, avoiding pitfalls and complexity?



of IT spending will have moved to the cloud by 2025.

Gartner¹



of organizations are taking a hybrid approach to cloud.

Flexera²

Lenovo ThinkAgile V3 hyperconverged infrastructure (HCI) solutions are proven hybrid cloud platforms, which are pre-integrated with software from an open ecosystem of trusted partners including Microsoft, Nutanix and VMware.

And with the latest Intel® Xeon® Scalable processors, Intel redefines what customers can expect from a CPU - and delivers leading performance with the most built in accelerators. Intel® Accelerator Engines help deliver greater business value to customers, whether they are looking to increase performance, support sustainability initiatives or help ensure the protection of their most sensitive data.

In this short guide, learn more about the unique advantages offered by Lenovo and Intel solutions as you address hybrid cloud challenges.

ThinkAgile HCI solutions provide a route through complexity

The need for more flexible and agile infrastructure is a core driver of cloud adoption. But traditional, three-tier IT (made up of compute, storage, and networking) depends on complex hardware and management operations.

HCI combines compute, storage, and networking in one flexible platform that is easier to deploy, manage, scale, and budget for. Lenovo ThinkAgile HCI solutions, powered with 4th Gen Intel® Xeon® Scalable Processors, deploy faster than traditional IT, and provide simplified management with Lenovo XClarity software.



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Lenovo ThinkAgile solutions, powered with 4th Gen Intel® Xeon® Scalable Processors, deliver a unique combination of hybrid cloud advantages.



Simplify the hybrid cloud journey.

Get everything you need to operate effectively in the cloud: hardware, software, and support. Deploy up to 85% faster than standard IT. Simplify management with Lenovo XClarity software.



Accelerate modern workloads with performance advantages.

Achieve 2x the performance with 4th Gen Intel® Xeon® Scalable Processors,³ with the most built-in accelerators of any processor on the market. Power modern workloads spanning AI, HPC, analytics, business applications, and containers.



Advance sustainability and efficiency initiatives.

Reduce energy use with up to 53% improvement in performance per watt.⁴ Achieve up to 47% better TCO with enhanced support and monitoring.⁵ Easily offset carbon emissions with Lenovo CO2 Offset Service.



Modernize security with enhanced ThinkShield capabilities.

Meet the latest data standards including FIPS 140-3, NIST SP800-193, and ECC-384 Signing. Use today's most updated and deployed Confidential Computing technology with Intel® Software Guard Extensions (Intel® SGX).



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Make your own choice of leading pre-integrated software.

ThinkAgile solutions are certified to run leading HCI software. You can choose the best fit for your workloads, users, and business needs.



Lenovo ThinkAgile VX Series solutions with VMware software deliver value from day one by helping you to automate resource optimization, improve business agility, and take the easiest path to hybrid cloud.

ThinkAgile VX integrates easily with existing VMware environments and can provide the IT foundation for remote and branch offices (ROBO), retail locations, virtual desktop infrastructure (VDI), and enterprise applications.



Lenovo ThinkAgile MX Series solutions feature Microsoft Azure Stack HCI software, Windows Admin Center management, and native integration with Azure hybrid services which make it easy to extend applications to the cloud.

ThinkAgile MX Series is optimized for a range of workloads including virtual desktop infrastructure (VDI), server virtualization, private/ hybrid clouds, enterprise applications, databases, data analytics, and edge computing.



Lenovo ThinkAgile HX Series solutions integrate Nutanix software to greatly reduce IT infrastructure expenses and TCO, support multiple HCI software hypervisors, and dramatically simplify data center management to free up IT staff.

ThinkAgile HX Series is optimized for virtualized workloads running on premises or in the cloud, including office applications, analytics, database, and edge computing.



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Innovate without limits with Lenovo TruScale.

You can accelerate innovation with the latest industry-leading solutions through a no-risk, no-surprise, pay-as-you-go model, with Lenovo TruScale Infrastructure as a Service (IaaS).

Simplifying your data center management and IT provisioning can help you free up time and space you need to take your business forward. Lenovo's IaaS model provides a cloud-like experience that helps you leverage the right solutions, at the right time, from pocket to cloud. All with on-premises security for control and peace of mind.

Lenovo TruScale Infrastructure as a Service offers:

- **Flexibility and scalability** – Keep ahead of the game with a pay-as-you-go model that aligns infrastructure with your business's evolving demands.
- **Support and insight** - Simplify your day-to-day with Lenovo technical expertise and consistent global support, so your team can achieve more with the resources you have.
- **Transparency and control** – Our utilization and metering technology provides real-time cost insights for efficient and predictable budgeting, and can help you eliminate overprovisioning.



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The Lenovo logo is positioned vertically on the right side of the page. It consists of the word "Lenovo" in a white, sans-serif font, set against a solid orange rectangular background.



Choose your path with Lenovo.

Simplify your hybrid journey and choose the right solution according to your software preference and other requirements.

Arrange a call with a solution expert

To help you assess solutions, we offer a complete discovery of your business challenges, priorities, and constraints to develop a tailored strategy.

Learn more at [Lenovo.com](https://lenovo.com)

- [Explore the latest 4th Gen Intel® Xeon® Scalable processors](#)
- [Get to know Lenovo and Intel hybrid cloud](#)

¹ Gartner (2022, Feb 9th). Gartner Says More Than Half of Enterprise IT Spending in Key Market Segments Will Shift to the Cloud by 2025. <https://www.gartner.com/en/newsroom/press-releases/2022-02-09-gartner-says-more-than-half-of-enterprise-it-spending>.

² Flexera (2022, Mar 21st). Cloud Computing Trends: Flexera 2022 State of the Cloud Report. <https://www.flexera.com/blog/cloud/cloud-computing-trends-2022-state-of-the-cloud-report/>.

³ Based on Lenovo analysis of 2.3X improvement SR850 V2 to V3 as measured by 2017 SPEC Int Rate results and Intel projected performance increase on Sapphire Rapids. Actual performance will vary. See <https://news.lenovo.com/pressroom/press-releases/intel-based-smart-infrastructure-solutions-accelerate-it-modernization/>.

⁴ Substantiation: Performance/Watt Index Performance/Watt Index = 100 * (SPEC Int Rate) / (Server AC power) - based on the SR650 server from V1 to V3.

⁵ Compass Partners (2020, September). VMware HCI Applications Study. <https://www.lenovo-vmware.com/pay-as-you-go.php>.



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