

# ThinkAgile HX Solution for SAP HANA

SAP HANA speed meets  
hyperconverged simplicity



## Deploy and Manage SAP HANA with Simplicity and Scalability

For decades, customers have trusted their mission-critical workloads to run on Lenovo's ultra-reliable, high-performing platforms. Now Lenovo offers businesses with SAP HANA deployments an opportunity to reap the efficiencies and cost savings of hyperconverged infrastructure (HCI) powered by Nutanix Enterprise Cloud software.

By migrating SAP landscapes and SAP HANA workloads from complex, multi-tiered legacy architectures to hyperconverged clusters, customers can enjoy the simplicity, scalability, and cost-savings of HCI, which consolidates storage and compute into a single virtual pool with a simple management interface. At the same time, hyperconverged customers can leverage their existing IT to deploy SAP HANA with the same streamlined results.

Engineered and optimized for SAP HANA, the Lenovo ThinkAgile HX Solution for SAP HANA on the 4U 2- or 4-socket platforms and the 1U and 2U 2-socket platforms, delivers extreme speed, availability, and data-center efficiency for SAP HANA workloads in hyperconverged clusters. All solutions come backed by Lenovo Professional Services so you can rely on Lenovo's deep SAP expertise to deploy SAP HANA with confidence.

Developed in close collaboration with Lenovo's long-standing partners, SAP and Nutanix, the Lenovo ThinkAgile HX HANA Series includes:

- Mission-critical performance and ultra-reliability of Lenovo's platforms married with the dramatic efficiency and cost savings of the industry-leading Nutanix Enterprise Cloud OS
- Factory-integrated, validated, and configured with preloaded Nutanix software on Lenovo HX platforms, using best-recipe firmware
- Lenovo Professional Services deployment of SAP HANA software onsite for a seamless customer experience
- 24/7 Lenovo ThinkAgile Advantage Single Point of Support, plus SAP HANA solution support from Lenovo's SAP experts

## Deliver Greater Reliability

Successfully running SAP HANA analytics workloads requires outstanding performance and 24/7 availability, plus easy scalability. Businesses that can accomplish this with minimized operating expenses and footprint can gain a long-term advantage over their competition. You can't do any better than Lenovo for reliability.

Lenovo

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NUTANIX™



In fact, for the 7th year in a row, Lenovo servers have ranked as the industry's #1 most reliable x86 platforms. As a result, you can run your SAP HANA workloads with outstanding uptime on ThinkAgile HX.

As an SAP HANA market leader, Lenovo has teamed with SAP for more than 30 years and has shipped more than 14,000 SAP HANA systems. Lenovo's deep heritage with SAP translates into a seamless customer experience — from initial planning and architecture through deployment, lifecycle management, and support.

### Accelerate SAP HANA Workloads

Now updated with the latest Intel® Xeon® Scalable processors, the ThinkAgile HX Solution for SAP HANA offerings enable you to run your SAP HANA databases even faster. Lenovo servers currently hold more than 240 world records for performance including records for SAP BW and SD 2-tier performance♦. You can run your SAP HANA workloads with confidence, knowing you have blazing-fast speed, industry-best uptime, and Nutanix simplicity.

Lenovo ThinkAgile HX7821 Certified Node using Intel® Xeon® Platinum 8280L processors delivers [world record performance](#) for all three KPIs for SAP BW edition for SAP HANA Standard Application Benchmark Version 3 with 24.7 billion initial records in a scale-out configuration.

### Support for SAP HANA with VMware ESXi

Customers now can run their SAP HANA and SAP applications in a VMware virtualized environment with Lenovo ThinkAgile HX. Previously, SAP HANA was only supported with Nutanix' Acropolis (AHV) hypervisor.

### Bottom Line

ThinkAgile HX Series appliances, powered by Intel® Xeon® processors, enable you to simplify your IT infrastructure and drive down costs through the combination of preloaded easy-to-use software on powerful, extremely reliable hardware. All ThinkAgile HX Series models are backed by world-class Lenovo services and support.

### ThinkAgile Advantage: Personalized Support

ThinkAgile Advantage provides a first-class experience for your ThinkAgile products and solutions. You'll skip the wait and connect directly with skilled technicians through your own dedicated phone line for real-time triaging and troubleshooting. As a single point of contact, your dedicated Lenovo specialist will own your support case end-to-end, ensuring a faster and more seamless resolution. You'll also enjoy faster time to value and reduced system disruption, thanks to the plan's hardware and software deployment benefit from the Lenovo Professional Services team. Finally, Lenovo's SAP experts provide SAP solution support.

### For More Information

To learn more about ThinkAgile HX Solution for SAP HANA, contact your Lenovo representative or Business Partner or visit [lenovo.com/thinkagile](http://lenovo.com/thinkagile). For detailed specifications see:

- [ThinkAgile HX3320 Appliance for SAP HANA](#)
- [ThinkAgile HX7520 Appliance for SAP HANA](#)
- [ThinkAgile HX7820 Appliance for SAP HANA](#)
- [ThinkAgile HX3321 Certified Node for SAP HANA](#)
- [ThinkAgile HX7521 Certified Node for SAP HANA](#)
- [ThinkAgile HX7821 Certified Node for SAP HANA](#)



## SAP HANA for ThinkAgile HX Solution

The Lenovo ThinkAgile HX Solution for SAP HANA includes the ThinkAgile HX7820 Appliance, HX7821 Certified Node, HX3320 Appliance, HX3321 Certified Node, HX7520 Appliance, and HX7521 Certified Node for SAP HANA.

### Specifications

Model Name	ThinkAgile HX3320/HX3321 for SAP HANA	ThinkAgile HX7520/HX7521 for SAP HANA	ThinkAgile HX7820/HX7821 for SAP HANA
Form Factor	1U	2U	4U
Processor	2x Intel® Xeon® Silver, Gold, or Platinum processors, up to 205W	2x Intel® Xeon® Silver, Gold, or Platinum processors, up to 165W	2x-4x Intel® Xeon® Silver, Gold or Platinum processors, up to 205W
Memory	192GB, 384GB, 576GB, 768GB, 1.5TB, 3TB (TruDDR4 2933MHz)	192GB, 384GB, 576GB, 768GB, 1.125TB, 1.5TB, 3TB (TruDDR4 2933MHz)	384GB, 576GB, 768GB, 1.125TB, 1.5TB, 2.25TB, 3TB, 4.5TB, 6TB (TruDDR4 2933MHz)
Drive Bays	Up to 10 or 12 2.5-inch	Up to 24 2.5-inch	Up to 24 2.5-inch
SSD Options	4-12x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB SAS and SATA SSDs	4-24x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB, 7.68TB SAS and SATA SSDs	4-24x 480GB, 800GB, 960GB, 1.6TB, 1.92TB, 3.84TB 7.68TB SAS and SATA SSDs
NVMe Options	0, 2 or 4x 1.6TB or 3.2TB NVMe drives	0, 2 or 4x 1.6TB or 3.2TB NVMe drives	
10GBASE-T	2-8 ports		
10GbE SFP+	2-8 ports		
10/25GbE SFP28	0-4 ports		
Hypervisors Preloaded and Supported	Nutanix Acropolis hypervisor VMware vSphere ESXi hypervisor		
Systems Management	Hardware management via Lenovo XClarity and software management via Nutanix Prism		
Software Licenses	Nutanix AOS Starter, Pro, or Ultimate license included with appliance; purchased separately with certified nodes. SAP HANA license obtained separately		
Lenovo Deployment Services	Lenovo Professional Services deployment of Nutanix software and SAP HANA included with appliance in select countries; optional with certified node*		
Warranty Support	<ul style="list-style-type: none"> <li>• 24/7 Lenovo ThinkAgile Advantage Single Point of Support in available countries</li> <li>• Lenovo SAP Solution Support</li> <li>• Lenovo 3-year or 5-year limited hardware warranty</li> </ul>		

## About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$70 billion revenue global technology powerhouse, ranked #159 in the Fortune Global 500, employing 75,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo is expanding into new growth areas of infrastructure, mobile, solutions and services. This transformation is building a more inclusive, trustworthy, and sustainable digital society for everyone, everywhere.

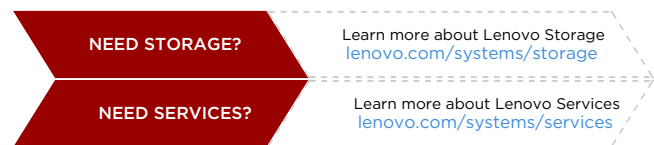
† See the latest [ITIC Global Reliability Study](#).

♦ [Lenovo Servers Continue to Lead the Industry in Performance and Value](#)

\* Mandatory in Asia Pacific countries and the People's Republic of China. Optional in all other countries.

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