

Lenovo ThinkAgile SX for Nutanix

Turnkey hyperconverged rack-scale for maximum agility, simplicity



Break free from IT siloes

Operating a data center increasingly involves complex tasks, such as managing multiple siloes of servers, storage, networks, and mission-critical applications. IT departments often spend most of their budget maintaining this infrastructure, instead of investing in new projects. Your Lenovo ThinkAgile SX for Nutanix system dramatically simplifies data center management and frees up your IT staff by accelerating your time to delivery, facilitating a seamless end-to-end experience, and reducing your total cost of ownership.

Designed for easy deployment and manageability, the Lenovo ThinkAgile SX for Nutanix integrates state-of-the-art Lenovo ThinkAgile HX Series appliances, premier Lenovo networking and management infrastructure into a turnkey, virtualization-ready system. Lenovo ThinkAgile Advantage provides comprehensive lifecycle support and end-to-end case management. Collaborating with Nutanix, Lenovo has created a best-of-breed hyperconverged rack-scale solution with innovative, first-to-market features, giving you the freedom to delight your customers.

Lenovo™

WWW.LENOVO.COM

NUTANIX™



Simplify Your IT

ThinkAgile SX systems ship from Lenovo factories to the customer site fully integrated, tested, and configured for breakthrough time-to-value and reduced business risk. Thanks to innovative Lenovo factory automation of the majority of onsite steps, ThinkAgile SXN helps customers realize significant time and cost savings for up to 80 percent* faster deployment.

Built on industry-leading, highly reliable Lenovo platforms[†] powered by Intel® Xeon® processors, the ThinkAgile SX for Nutanix systems incorporate:

- Lenovo ThinkAgile HX Series appliances with optimized hyperconverged software from Nutanix
- Lenovo Ethernet switches with industry-unique Lenovo ThinkAgile Network Orchestrator for automatic, on-the-fly configuration updates in response to virtual network changes
- Elegant, one-click virtualization, automation and management software with tight integration between Lenovo XClarity and Prism
- Lenovo ThinkAgile Advantage with Lenovo single point of support for 24/7 end-to-end case management

The ThinkAgile SXN allows you to centrally manage virtual and physical resource pools, reduce planned and unplanned workload downtime related to physical hosts, and avoid disruption and wasted time. Via tight integration between Lenovo's XClarity Administrator and Prism management, customers have one-click infrastructure management, operational insights, planning, plus simplified hardware asset tracking, endpoint status, event management and alerting, and firmware management from a single pane of glass. These tools are automated and pre-provisioned, enabling you to quickly add new hardware building blocks as needed.

How to bridge the IT & business gap?

Where you are today



Where you want to be



ThinkAgile

As a ready-to-go data center or hybrid cloud infrastructure, the ThinkAgile SXN enables rapid cloud migration and allows you to deploy your workloads—including back office, Virtual Desktop Infrastructure (VDI), database and analytics—with ease and confidence. Just power on your ThinkAgile rack to begin managing your infrastructure as a single system.

Increase Agility

The turnkey Lenovo ThinkAgile SX for Nutanix (SXN) is designed to interwork seamlessly with your existing infrastructure, to reduce deployment effort, increase your uptime, and save you time and money. Systems ship fully integrated and tested from Lenovo factories within three weeks of customer orders so that you can get up and running quickly.

The ThinkAgile SXN supports tight integration with Lenovo networking for enhanced performance. Industry-unique Lenovo ThinkAgile Network Orchestrator on the Lenovo CNOS switches works with Prism management to automate manual tasks and remove scheduled



maintenance windows. This first-to-market feature in the Lenovo Nutanix environments accelerates administration and ultimately reduces OPEX, downtime, and errors by:

- Automatically configuring the physical network based on discovered topology
- Detecting changes in the virtual network and dynamically updating the physical network in response to new VMs, updated VMs, and deleted VMs with no user intervention

Faster installation, faster and easier deployment, reduced complexity, and quicker and more dependable support all contribute to a lower total cost of ownership.

Experience Data Center Transformation

Infrastructure configuration, deployment, and scalability at the rack and multi-rack level are now easier than ever. With Lenovo's best-in-class supply chain, plus integration, validation, automation, and configuration at the factory, you can deploy workloads in hours—not weeks—and realize substantial savings: as much as 33 percent lower installation cost* versus other converged infrastructure stacks, and even larger savings compared to traditional infrastructure.

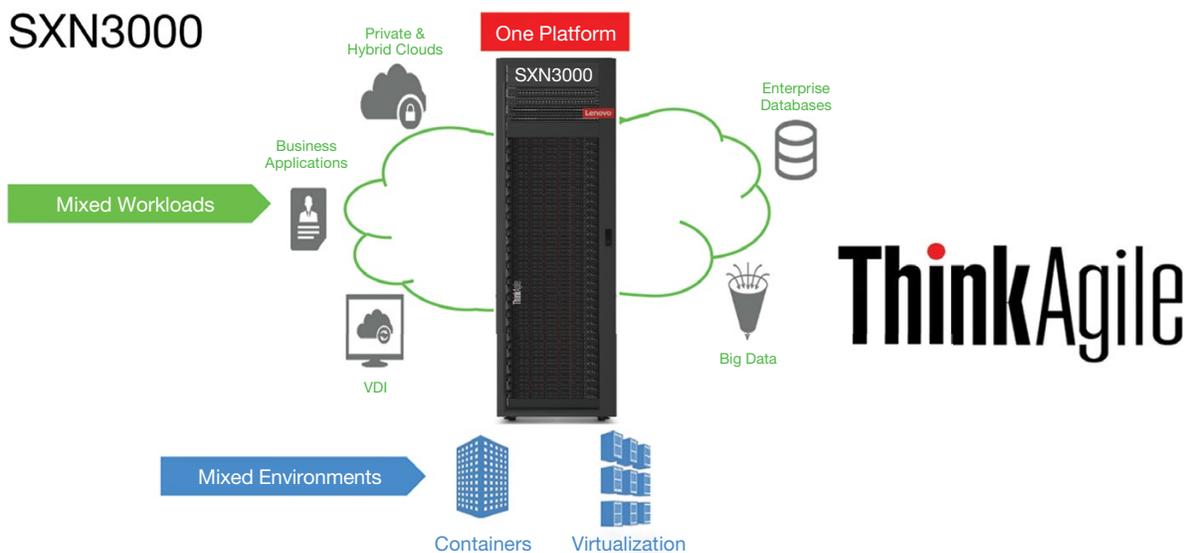
The customer advantages of the Lenovo ThinkAgile SX for Nutanix solution extend throughout the entire lifecycle of the product, from ordering through services and support. Customers enjoy maximum ordering flexibility in configuring any quantity and various model types of ThinkAgile HX nodes within the ThinkAgile SXN rack so that they can deploy multiple workloads and clusters.

Lenovo includes onsite deployment and single point of support through ThinkAgile Advantage for full end-to-end lifecycle management, facilitating quick problem determination and minimized downtime. Customers have immediate access to a Level 2 Lenovo support technician to avoid the hassle of ongoing management and support.

"Pay-as-you-grow" economics enables you to add one or more Lenovo ThinkAgile HX nodes at a time as modular building blocks, to keep pace with your business growth. Start with one rack and scale to multiple racks as your business demands, with the ThinkAgile SXN's extensible cloud-scale architecture.

Customers get rack-level scalability, tight integration with Lenovo networking, an agile cloud-ready environment, and end-to-end Lenovo ThinkAgile Advantage services and support.

For more information about Lenovo Services, visit lenovo.com/systems/services.



Lenovo ThinkAgile SX for Nutanix

Specifications

	Lenovo ThinkAgile SXN3000 Series with 42U Rack	Lenovo ThinkAgile SXN3000 Series with 25U Rack
Networking	1x1Gbps Lenovo G8052 RackSwitch (Management) Choice of 2x 10Gbps Lenovo G8272 RackSwitch (SFP+) (data + storage) or 2x 10Gbps Lenovo NE1072T (10Base-T) (data + storage) Industry-unique Lenovo ThinkAgile Network Orchestrator for automated, on-the-fly switch configuration	
Compute Nodes (Lenovo ThinkAgile HX Series Appliance)	4-32 nodes of HX1320, HX1520-R, HX3320, HX3520-G, HX5520, HX5520-C, HX7520, HX3720 for total 36U rack space	4-16 nodes of HX1320, HX1520-R, HX3320, HX3520-G, HX5520, HX5520-C, HX7520, for total 16U rack space
Network Adapter LOM	Each ThinkAgile HX automatically configured to support Intel dual-port 10Gbps (SFP+ or 10Gbase-T) corresponding with network switch.	
Processor	Up to 2x Intel® Xeon® Platinum processors, up to 205W, depending on ThinkAgile HX node	
Memory	Up to 3TB [§] in 24x slots, using 128GB [§] DIMMs; 2666MHz TruDDR4, per ThinkAgile HX	
Storage Capacity	4 - 24 bays: 3 - 20x HDDs, up to 24x SSDs, ThinkAgile HX dependent	
Hypervisors Supported	VMware ESXi, Nutanix Acropolis Hypervisor, Microsoft Hyper-V	
Software and Systems Management	Nutanix Acropolis OS, Lenovo XClarity Integrator for Prism**, Nutanix Prism	
License Options	Lenovo XClarity Pro (included by default), Nutanix Pro and Ultimate	
Services and Support	Lenovo ThinkAgile Advantage: Lenovo single point of support for 24/7 end-to-end case resolution, 3-year default warranty with other options available	

* Visit Source: Wikibon 2016 <http://wikibon.com/case-study-lenovonutanix-appliance-for-microsoft-application-environment/> for more information.

† Visit 2016-2017 Global Hardware, Server OS Reliability Report, ITIC; October 2016 for more information.

‡ Visit <http://www.itpricing.com/vce-340-system-list-price/> for more information.

§ 1.5TB at GA; 128GB DIMMs available in the near future. Available prior to GA via special bid.

** Available in a future release

Why Lenovo

Lenovo is a global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads. Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

For More Information

To learn more about the Lenovo ThinkAgile SX for Nutanix, contact your Lenovo representative or Business Partner or visit: lenovo.com/thinkagile/

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