



NUTANIX™

# Empowering businesses to succeed with ultra-fast, secure payment services.

How **Nexxera** used Lenovo ThinkAgile HX Series with Nutanix AHV to simplify its mission-critical application infrastructure—slashing costs and maintenance workloads.

Lenovo Infrastructure Solutions  
for The Data-Centered

Lenovo

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## Background

Founded in 1992, Nexxera is the leading provider of business-to-business payment services in Brazil. Companies across all sectors use Hubly—Nexxera’s one-stop solution for finance and business management—to co-ordinate supply chains, process invoices, and handle payments. As well as providing payment processing services, the company also offers Nexxera Credit: a smart credit management platform that enables business to ensure suppliers are paid on time, every time.

Over 80% of the 500 largest companies in Brazil, more than 70 banks, and numerous credit card operators and international financial services providers participate in the Nexxera network—and the company is striving to expand its reach even further.


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## Challenge

Nexxera processes over 7 billion transactions each year, and payment volumes are only expected to increase as more companies move to digitize and automate key finance processes. To meet growing demand for services and deliver consistently excellent service, it's vital that the IT infrastructure supporting Nexxera's operations is scalable, secure, highly reliable, and performant.

For many years, Nexxera relied on a traditional three-tier IT infrastructure comprising 25 blade servers and 12 storage nodes to run its mission-critical business applications. While this approach enabled the company to provide industry-leading payment and electronic data interchange (EDI) services, it offered limited scalability, required extensive IT maintenance, and generated significant costs for the business.

While Nexxera's existing infrastructure was highly secure, the company's firewall was only able to monitor north-south traffic: information flowing in or out of the data center from external sources. To fortify system security and drive smarter infrastructure management, Nexxera wanted to monitor traffic within its data center too.



“With transaction volumes soaring, we knew that our current IT systems and processes would not be able to support future growth. We took this opportunity to transform our data center—targeting greater scalability and lower costs, as well as enhanced security and data monitoring features.”

**Thiago Garcia**

Director of IT infrastructure, Nexxera





## Why Lenovo and Nutanix? Next-level flexibility.

To eliminate complexity and drive more efficient IT system management, Nexxera replaced its legacy infrastructure with a hyperconverged infrastructure (HXI) from Lenovo and Nutanix. The company deployed two four-node Lenovo ThinkAgile HX3320 clusters at separate sites in an active/active configuration for synchronous data replication.

Pre-integrated with Nutanix AHV virtualization technology, the Lenovo ThinkAgile HX platform simplifies infrastructure management while offering easy flexibility and scalability.

“We selected the Lenovo ThinkAgile HX Series to simplify and streamline our IT architecture, and reduce the management burden,” reflects Thiago Garcia. “The Nutanix AHV hypervisor helps us to avoid vendor lock-in and offers native integration with public cloud solutions, opening up the possibility for us to explore hybrid cloud and multi-cloud solutions in the future.”



“The Lenovo ThinkAgile HX3320 appliances stood apart from other vendors’ offerings for their tremendous flexibility, excellent performance, and rock-solid reliability. And with Nutanix hyperconvergence software pre-loaded, we felt confident that the Lenovo ThinkAgile HX solutions would help us to build a much more resilient and future-proof data center.”

**Thiago Garcia**

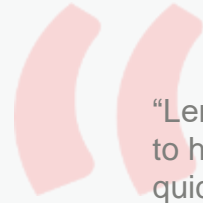
Director of IT infrastructure, Nexxera

## Expert support.

To achieve a rapid implementation and boost system security, Nexxera teamed up with business partner Safesystem, which helped the company to leverage micro-segmentation using Nutanix AHV to create distinct logical partitions for each of its core applications.

To ensure constant uptime throughout the entire lifecycle of its Lenovo solutions, Nexxera also opted for Lenovo Premier Support. Through this service, Lenovo provides 24/7 support for every environment within Nexxera's data center, 365 days a year. And with Lenovo's YourDrive YourData included in this support package, Nexxera can ensure tight control over its data by retaining drives even after they become obsolete.

"Lenovo Premier Support services is a real game-changer for us," comments Thiago Garcia. "It gives us confidence that we will be able to resolve issues as soon as they occur—strengthening our business continuity plan."



"Lenovo and Safesystem went the extra mile to help us establish two brand-new data centers quickly, enabling us to minimize business disruption during the implementation."

**Thiago Garcia**

Director of IT infrastructure, Nexxera

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## Results

With the HCI from Lenovo and Nutanix, Nexxera has reduced operational IT costs, and is much better positioned to expand its services and grow its payment network.

“Moving to the Lenovo ThinkAgile HX platform has massively reduced our data center footprint and associated energy consumption—we’ve gone from 25 servers to just eight appliances,” says Thiago Garcia. “This translates into significant cost savings and reduced IT maintenance workload, freeing more time and resources for IT staff to focus on innovation.”

By harnessing the power of micro-segmentation and hyperconvergence, Nexxera has gained much greater visibility into data center traffic. Thiago Garcia explains: “Unlike our legacy infrastructure, we now have a clear view of all east-west traffic, not just north-south. This means that we can monitor our systems much more closely and prevent any unwanted traffic within our data center. What’s more, synchronous data replication between the two sites means we can rapidly fail over in the event of unplanned downtime, helping us to ensure uninterrupted service for our customers.”

He concludes: “The Lenovo ThinkAgile HX platform gives us the agility and flexibility we need to rise to the challenge of ever-growing data volumes and continue developing our services. With a high-performance, reliable, and scalable HCI underpinning operations, we can deliver excellent service to our customers around the clock.”

**NEXXERA**

- ✓ 20% reduction in data center footprint cuts energy consumption costs
- ✓ 16% efficiency increase frees IT personnel from time-consuming management tasks
- ✓ Strengthens business continuity with instant failover capabilities



“With HCI from Lenovo and Nutanix, we can run much more lean, efficient, and productive IT operations, releasing resources for us to invest in growth and innovation.”

**Thiago Garcia**

Director of IT infrastructure, Nexxera



## What will you do with Lenovo software-defined infrastructure solutions?

The Data-Centered processes billions of financial transactions annually with Lenovo smarter infrastructure solutions, powered by Nutanix.

[Explore Lenovo Software-Defined Infrastructure Solutions](#)



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