



Delivering always-on access to vital healthcare systems.

How **Shanghai Junai Rehabilitation Hospital** used a highly available and cost-effective hyperconverged infrastructure from Lenovo and Nutanix to support its demanding digital healthcare systems, enabling high-quality patient experiences.

Lenovo Infrastructure Solutions
for The Data-Centered

Lenovo

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Background

A wholly owned subsidiary of Shanshan Medical Investment Management (Shanghai) Co., Ltd., Shanghai Junai Rehabilitation Hospital is a specialist healthcare provider serving China's Yangtze River Delta region. As an important part of the group's regional healthcare centers, construction of Shanghai Junai Rehabilitation Hospital began in 2018, and the organization will soon open its doors to patients across Zhejiang Province.

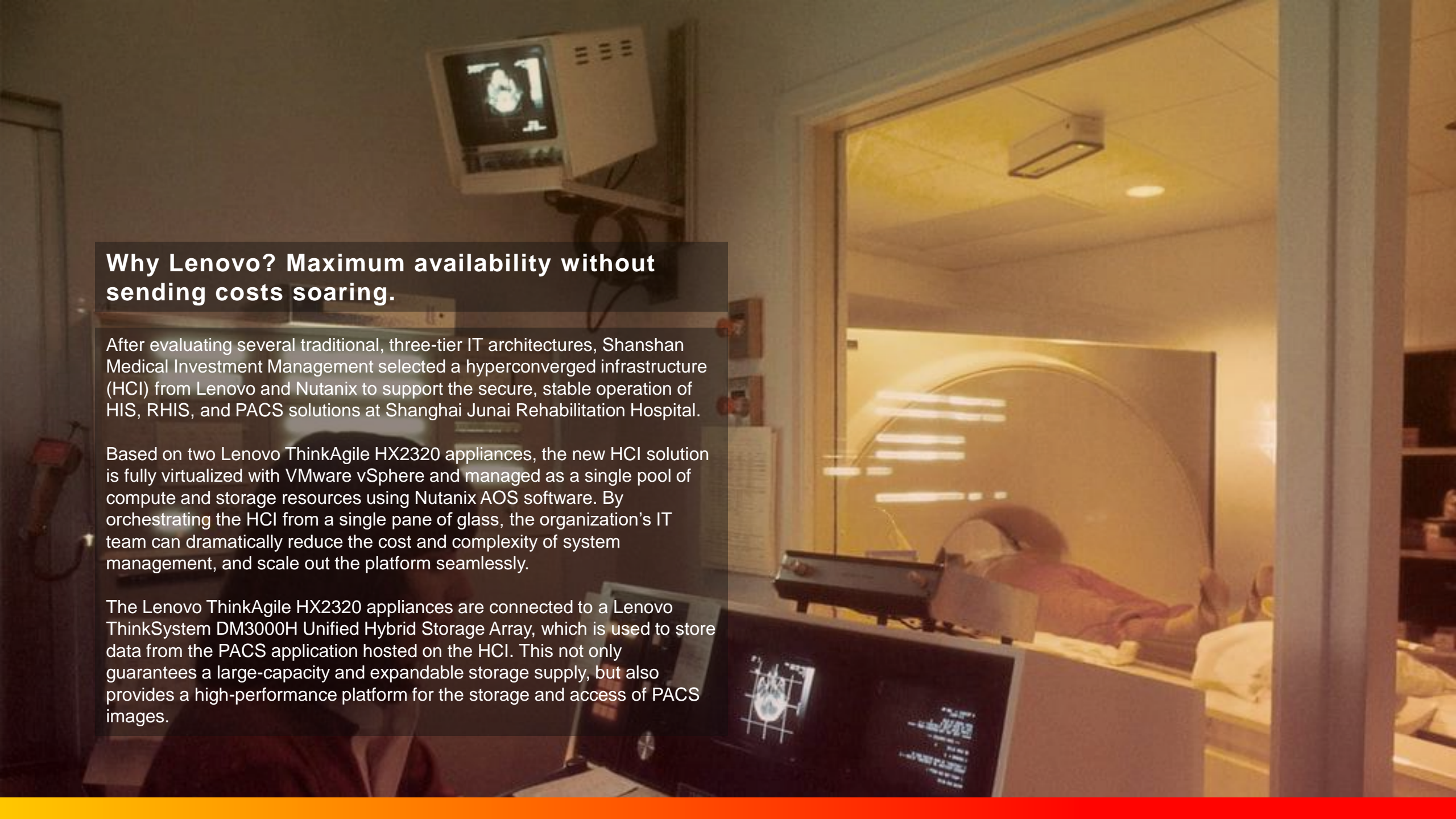
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Challenge

Across China, the growth of urban areas and complex care needs of an aging population are placing increased demand on local healthcare systems. Shanshan Medical Investment Management operates five private care facilities in China's Yangtze River Delta region, including Shanghai Junai Rehabilitation Hospital.

Digital technologies now play a crucial role in patient rehabilitation. To empower its clinicians to deliver accurate diagnoses and outstanding experiences for every patient, the organization aimed to equip the Shanghai Junai Rehabilitation Hospital facility with a cutting-edge picture archiving and communication system (PACS) for medical imaging, routine health information system (RHIS), and a best-in-class health information system (HIS) to help deliver vital data to medical staff rapidly and securely.

Because the new HIS, RHIS, and PACS solutions will play a crucial role in end-to-end healthcare delivery, Shanshan Medical Investment Management aims to ensure that its data-driven services will be available around the clock. As well as maintaining high levels of availability, the organization targeted an IT platform that would be easy to manage, simple to maintain, and straightforward to scale—enabling it to enhance its data-driven services in the future.



Why Lenovo? Maximum availability without sending costs soaring.

After evaluating several traditional, three-tier IT architectures, Shanshan Medical Investment Management selected a hyperconverged infrastructure (HCI) from Lenovo and Nutanix to support the secure, stable operation of HIS, RHIS, and PACS solutions at Shanghai Junai Rehabilitation Hospital.

Based on two Lenovo ThinkAgile HX2320 appliances, the new HCI solution is fully virtualized with VMware vSphere and managed as a single pool of compute and storage resources using Nutanix AOS software. By orchestrating the HCI from a single pane of glass, the organization's IT team can dramatically reduce the cost and complexity of system management, and scale out the platform seamlessly.

The Lenovo ThinkAgile HX2320 appliances are connected to a Lenovo ThinkSystem DM3000H Unified Hybrid Storage Array, which is used to store data from the PACS application hosted on the HCI. This not only guarantees a large-capacity and expandable storage supply, but also provides a high-performance platform for the storage and access of PACS images.

High performance in a compact footprint.

Working with Lenovo, Shanshan Medical Investment Management deployed the new hyperconverged environment at its primary data center. Thanks to the dense footprint of the Lenovo solutions, the organization minimizes the need for physical space in its data center while also containing power and cooling costs.

Today, the new platform hosts the mission-critical HIS, RHIS, and PACS solutions for Shanghai Junai Rehabilitation Hospital. When construction of the new hospital is complete, the HCI from Lenovo and Nutanix will play a key role in delivering high-quality experiences for thousands of patients across the province.



“We see Lenovo and Nutanix as clear leaders in the HCI space—they provide innovative technology, well-built solutions, and exceptional customer support.”

Gao Xiaobo,
CIO,
Shanshan Medical Investment
Management (Shanghai) Co., Ltd.

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Results

Looking to the future, Shanshan Medical Investment Management is confident that it has found the optimal platform for the digital healthcare services at Shanghai Junai Rehabilitation Hospital.

With low-latency, enterprise-class Lenovo ThinkSystem DM3000H Unified Hybrid storage, the organization can handle massive volumes of medical imaging data with ease. And thanks to the high compute performance and availability of Lenovo ThinkAgile HX2320 appliances, Shanshan Medical Investment Management gains the peace of mind that its vital healthcare systems will be online 24/7.



Delivers high availability for mission-critical digital healthcare systems



Enables cost-efficient management, maintenance, and scalability



Minimizes data center power, cooling, and floorspace requirements



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Gao Xiaobo,
Chief Information Officer,
Shanshan Medical Investment Management (Shanghai) Co., Ltd.

What will you do with Lenovo ThinkAgile HX solutions?

Made for easy deployment and manageability, the ThinkAgile HX series combines Nutanix software with reliable, high performing hardware.

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