

Healthcare | China

# Transforming IT to meet tomorrow's healthcare demands

Zhenjiang First People's Hospital

Zhenjiang First People's Hospital delivers vital IT services with greater speed, efficiency, and scale using Lenovo ThinkAgile VX Series and Lenovo xCloud solutions.



Lenovo

# 1

## Customer background

# Who is Zhenjiang First People's Hospital?

Zhenjiang First People's Hospital is one of the largest comprehensive hospital systems in China's Jiangsu Province. It provides integrated medical treatment, teaching, and scientific research across two hospital campuses, six university-level research institutes, and 12 master's and doctoral training points. The hospital employs some 2,200 people and treats more than 1.2 million patients annually through its outpatient and emergency departments.



## 2 The challenge

For more than a century, Zhenjiang First People's Hospital has devoted itself to advancing medical treatment and research. As part of its commitment to continuous improvement, the hospital has been investing heavily in integrated, digitized healthcare services. However, this move has placed its computing infrastructure under greater pressure than ever.

As its virtualized environment expanded, performance was declining while complexity and costs were rising. The IT department found that it was taking more time and resources to launch new services, maintain systems, and ensure business continuity.

Recognizing that it could not continue down this path for much longer, Zhenjiang First People's Hospital launched the search for a new IT architecture.

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**“The constant expansion of medical services, rising demand for data interoperability and sharing, and strict rules around information security all require a strong infrastructure. If our servers, storage, and management cannot keep up, it could negatively impact the availability of medical applications and data, not to mention the quality of patient diagnosis and treatment.”**

**Wang Huan**

Section Chief, Information Center Hardware Department, Zhenjiang First People's Hospital

# 3 The solution

## Taking IT in a new direction

Zhenjiang First People's Hospital turned to Lenovo to shape a fresh vision for its technology landscape. Lenovo proposed a total IT transformation, taking the hospital from a traditional virtualized architecture to a hyperconverged infrastructure (HCI). This is based on the Lenovo ThinkAgile VX Series, which combines robust Lenovo servers and powerful VMware virtualization technology.

Lenovo also worked with Zhenjiang First People's Hospital to repurpose its existing virtual environment into a disaster recovery platform, strengthening business continuity.

### **Hardware**

Lenovo ThinkAgile VX7531  
Certified Nodes

### **Software**

Lenovo xCloud  
VMware vSAN  
VMware vSphere

# 3 The solution

## Driving digital transformation

The Lenovo ThinkAgile VX Series platform underpins a renewed private cloud environment at Zhenjiang First People's Hospital. Here, the hospital makes use of Lenovo xCloud technology to support intelligent operation and maintenance. With xCloud, the IT department can manage the hospital's private cloud environment from a single point of control.

Today, this combination of Lenovo technology provides a reliable, flexible foundation for mission-critical clinical applications and data, including electronic medical record (EMR), health information, imaging, and intelligent diagnosis systems.

What's more, Lenovo xCloud and Lenovo HCI solutions are helping to advance research at Zhenjiang First People's Hospital. With Lenovo's technology enabling greater performance and scalability, research teams can easily accommodate ever-growing data volumes and run more complex analysis.

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**“Lenovo ThinkAgile VX Series and Lenovo xCloud are vital enablers of our healthcare digitalization efforts. With the new platform, clinical teams can store and manage growing amounts of healthcare data more easily and accurately. At the same time, our Lenovo infrastructure provides a powerful platform for primary healthcare as well as scientific research and innovation.”**

**Wang Huan**

Section Chief, Information Center Hardware Department, Zhenjiang First People's Hospital

# 4 The results

Lenovo ThinkAgile VX Series and Lenovo xCloud solutions have ushered in a new era for IT at Zhenjiang First People's Hospital. Lenovo's HCI solution offers a total cost of operation that is roughly 30% lower than the hospital's previous infrastructure.

Lenovo ThinkAgile VX Series also provides a flexible and readily available resource pool, allowing the IT department to deliver new services 50% faster than before. What's more, with Lenovo xCloud streamlining operations and maintenance, the IT department has seen a 60% improvement in efficiency.



30% cost savings on traditional architecture



60% more efficient operation and maintenance



50% faster to launch new services



# 4 The results

## Leading healthcare into the future

Investing in Lenovo infrastructure and cloud technologies is helping Zhenjiang First People's Hospital to ensure the continued development of medical care and research in a more controlled and efficient way.

The hospital has gained all-important capacity and an effective way to manage an increasingly large and complex IT environment. As a result, Zhenjiang First People's Hospital can support its teams with ready, reliable access to key systems and data—helping achieve better outcomes for patients and a higher standard of research.

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**“With Lenovo ThinkAgile VX Series and Lenovo xCloud, we can support our clinicians and research teams with much faster, stable, and reliable access to applications and data. This is a platform we can rely on to deliver excellent service for years to come.”**

**Wang Huan**

Section Chief, Information Center Hardware Department, Zhenjiang First People's Hospital

# Why Lenovo?

Zhenjiang First People's Hospital considered offerings from its existing hardware provider and other vendors. Its decision to go in a new direction with Lenovo was driven by the quality and maturity of Lenovo's technology and the company's proven references in the healthcare industry.

Wang Huan, Section Chief of the Information Center Hardware Department at Zhenjiang First People's Hospital, explains: "Lenovo ThinkAgile VX Series offered very sophisticated clustering and virtualization capabilities. We've seen how other healthcare providers have utilized Lenovo technology to enable safer, smarter medical services. We felt that Lenovo was the right partner to take our IT to the next level."

# How can healthcare meet digitization demands?

Lenovo ThinkAgile VX Series and Lenovo xCloud help Zhenjiang First People's Hospital scale and manage IT quickly and cost-effectively.

[Explore Lenovo ThinkAgile VX Series](#)