

Healthcare

# Leveraging AI to **enhance** **elder care** **services**

## Jiangsu Province Geriatric Hospital

Jiangsu Province Geriatric Hospital replaced its legacy IT infrastructure with a modern software-defined solution. Using Lenovo ThinkSystem SR650 V2 servers, the hospital can expand its use of AI and analytics to help deliver outstanding care to a growing number of patients.



Lenovo

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## Who is Jiangsu Province Geriatric Hospital?

Established in 1991, Jiangsu Province Geriatric Hospital is a comprehensive tertiary hospital in China that specializes in elder care.

The hospital offers a wide range of healthcare services, including in- and out-patient clinics, research, rehabilitation, and nursing care. With 500 beds, Jiangsu Province Geriatric Hospital has 48 clinical and medical technology departments and 14 geriatric medical research departments.



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# The Challenge

With a growing number of people to treat each year, Jiangsu Province Geriatric Hospital leverages digital technologies to help improve the efficiency of its care services and deliver high-quality experiences to every patient. To complement its electronic medical record (EMR) and healthcare information system (HIS), the hospital aimed to use smart hospital technology to optimize its resources and accelerate patient journeys.

In the past, Jiangsu Province Geriatric Hospital ran its digital services on a traditional three-tier data center infrastructure. However, the previous platform was approaching capacity and lacked robust data-protection capabilities—increasing the risk of unplanned downtime and preventing the hospital from deploying new services.

Qian Xuannan, Information Center Director at Jiangsu Province Geriatric Hospital, says: “To prepare for the next phase of our smart hospital transformation initiative, we decided to refresh our data center infrastructure.”

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**“We set out our key criteria for a new solution, including high performance, simple scalability, and high availability. To protect our front-line services during the transition, we also looked for a vendor that could deliver a seamless, non-disruptive migration.”**

**Qian Xuannan**

Information Center Director, Jiangsu Province Geriatric Hospital

# Migrating with **zero** **disruption**

To achieve its goals, Jiangsu Province Geriatric Hospital decided to refresh its legacy data center hardware with a modern software-defined solution from Lenovo. Powered by Lenovo ThinkSystem SR650 V2 servers virtualized with localized KVM, the new environment offers improved performance with streamlined management.

“Working with Lenovo, we were able to migrate the virtualized services from our legacy systems to the new Lenovo ThinkSystem SR650 V2 servers with zero impact on end users,” says Qian Xuannan.

## **Hardware**

Lenovo ThinkSystem SR650 V2

## **Services**

Lenovo Deployment Services



“By orchestrating our compute, storage, and networking from a single point of control, we have significantly improved the utilization of our data center resources. The end result is simpler systems management, improved energy efficiency in the data center, and faster provisioning for new digital services.”

**Qian Xuannan**

Information Center Director, Jiangsu Province Geriatric Hospital

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## Results

By deploying its mission-critical healthcare systems on Lenovo ThinkSystem SR650 V2 servers, Jiangsu Province Geriatric Hospital is boosting reliability and availability while creating the headroom to expand its digital services—including the expansion of AI and analytics.

Qian Xuannan confirms: “We have already used our software-defined solution from Lenovo to stand up brand-new EMR and electronic prescription systems. Thanks to our partnership with Lenovo, our physicians can collaborate more effectively, avoid repeated examinations and treatments, and improve the patient experience.”



Creates headroom for new digital services



Boosts availability for mission-critical applications



Enhances energy efficiency



“With the Lenovo solution, we have the compute and storage performance to run more complex big data analysis and artificial intelligence workloads. The new platform enables us to identify where our medical resources are needed most, which helps us provide an outstanding quality of care.”

**Qian Xuannan**

Information Center Director, Jiangsu Province Geriatric Hospital



# Why **Lenovo**?

Lenovo worked closely with Jiangsu Province Geriatric Hospital to understand its smart hospital ambitions and design a solution that met its needs. In addition to performance, scalability, and manageability, Lenovo helped the organization design a robust disaster recovery solution to protect its healthcare systems.

“We deployed Lenovo ThinkSystem SR650 V2 servers in a high-availability configuration across two data centers,” explains Qian Xuannan. “In the event of an issue with one of our sites, we can rapidly fail over our production services. The Lenovo solution gives us great peace of mind that our digital healthcare services will always be available when we need them.”



# How can hospitals use data to improve patient experiences?

Jiangsu Province Geriatric Hospital harnesses AI to optimize healthcare resources with Lenovo ThinkSystem SR650 V2 servers.

[Explore Lenovo ThinkSystem Solutions](#)