

Healthcare

Building the hospital of the tuture

The Third Hospital of Mianyang

The Third Hospital of Mianyang deployed a software-defined infrastructure powered by Lenovo ThinkSystem servers and storage arrays, enabling it to deploy smart hospital solutions 50% faster and enhance patient care.

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Who is The Third Hospital of Mianyang?

Based in city of Mianyang, China, The Third Hospital of Mianyang is a large-scale, modern, Class-A tertiary hospital specializing in geriatric neurology. Founded in 1955, the organization delivers healthcare services, teaching, scientific research, preventive healthcare, and emergency medicine from three campuses across the city.



The Challenge

China's population is aging, creating new demands and challenges on the healthcare system. The Third Hospital of Mianyang aims to tackle these evolving care requirements by investing in smart hospital solutions—allowing it to optimize its care resources and deliver high-quality experiences to more patients each year.

To realize its smart hospital concept, it plans to implement many new digital solutions in the years ahead. However, the organization's existing IT infrastructure was approaching end-of-life, and was unable to support the planned increase in compute and storage workloads.

The Third Hospital of Mianyang decided to look for a new platform to support its existing applications—including its healthcare information system (HIS), laboratory information system (LIS), and picture archiving and communications system (PACS)—and create headroom for new digital workloads.

"We targeted an infrastructure provider that could help us lay the foundations for a data-driven approach to healthcare delivery."

Chen Sheng

Director of Information Center, The Third Hospital of Mianyang

Highperformance, future-ready infrastructure

The Third Hospital of Mianyang selected Lenovo to replace its legacy infrastructure with a modern, future-ready platform.

For HIS and LIS workloads, the hospital deployed VMware solutions on high-performance Lenovo ThinkSystem SR850 V2 servers, protected using Veeam Backup & Replication software.

For PACS data, The Third Hospital of Mianyang deployed an active-active storage cluster built on Lenovo ThinkSystem DM5000H and Lenovo ThinkSystem DM7000H arrays.

Hardware

Lenovo ThinkSystem SR850 V2 Lenovo ThinkSystem DM5000H Lenovo ThinkSystem DM7000H

Software

Veeam Backup & Replication VMware Cloud Foundation VMware vSAN VMware vSphere

Services

Lenovo Deployment Services



"With Lenovo ThinkSystem servers and storage arrays, we have boosted performance and enhanced availability. Crucially, we can now quickly and easily deploy cuttingedge smart hospital solutions."

Chen Sheng

Director of Information Center, The Third Hospital of Mianyang

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Results

Since deploying the Lenovo solutions, The Third Hospital of Mianyang has cut time-to-market for healthcare application deployments by 50%. At the same time, low-latency Lenovo ThinkSystem DM5000H and Lenovo ThinkSystem DM7000H arrays have boosted the performance of the hospital's PACS workloads by 200%.

Chen Sheng says: "Through our partnership with Lenovo, we are improving the performance and reliability of our key healthcare applications—empowering our physicians to deliver even better patient care experiences."

50% faster deployment for smart hospital solutions

200% performance boost for PACS workloads

Boosts availability of mission-critical healthcare systems

"We wanted an IT partner with the systems, services, and expertise to help us make our smart hospital concept a reality. With Lenovo, that's exactly what we've achieved."

Chen Sheng

Director of Information Center, The Third Hospital of Mianyang

Why Lenovo?

After evaluating the Lenovo solution against proposals from several other leading providers, The Third Hospital of Mianyang decided that Lenovo ThinkSystem solutions offered the optimal balance of price, performance, and reliability.

"The Lenovo team closely worked with us through multiple rounds of technical workshops to understand our current environment and help us design a solution that will meet our needs for years to come," confirms Chen Sheng. "As well as providing us with high-quality compute and storage infrastructure, Lenovo offered us advanced capabilities including virtual desktop infrastructure, object archiving, and active/active data replication."



How can hospitals treat more patients without compromising on quality?

The Third Hospital of Mianyang deploys a high-performance platform for smart hospital solutions, helping to optimize care delivery.

Explore ThinkSystem Solutions