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Enabling gold-standard healthcare services.

How the **Fourth Affiliated Hospital of Nanjing Medical University** uses a hyperconverged infrastructure from Lenovo and VMware and Lenovo ThinkSystem solutions to support high-quality, high-availability healthcare, promoting better patient outcomes.

Lenovo Infrastructure Solutions
for The Data-Centered

Lenovo

1

Background

The Fourth Affiliated Hospital of Nanjing Medical University is a government-funded, non-profit medical institution located in the Jiangbei New Area district of Jiangsu Province, China. The organization specializes in medical treatment, scientific research, teaching, prevention, rehabilitation, and healthcare.

Covering an area of 180,000 square meters, the institution officially opened a new hospital in late 2020. It includes 30 medical and technical departments, including surgery, intensive care, and rehabilitation facilities, with beds for more than 2,000 patients.

2

Challenge

Aiming to elevate its rating in the Chinese hospital classification system, the Fourth Affiliated Hospital of Nanjing Medical University is launching new smart, digitized healthcare services that help medical staff share and utilize data more effectively. This, alongside the opening of the new hospital area, placed the institution's IT infrastructure under greater demand than ever before.

To ensure it could rise to the challenge, the organization's IT team decided to refresh its data center architecture. The team recognized that, as its virtualized environment expanded, performance was declining while complexity increased. It also identified an opportunity to boost resilience by introducing new data protection measures. The Fourth Affiliated Hospital of Nanjing Medical University kicked off a search for the building blocks of a new IT architecture.

Why Lenovo? Superior stability and support.

The Fourth Affiliated Hospital of Nanjing Medical University selected Lenovo ThinkAgile VX and Lenovo ThinkSystem SR950, SR850, and SR650 solutions over offerings from Dell and Huawei. The organization chose Lenovo over the competition because of the stability of Lenovo solutions and the access to local support.

Lenovo's partnership with VMware was another deciding factor. For the Fourth Affiliated Hospital of Nanjing Medical University, the Lenovo ThinkAgile VX Series offered the ideal combination of reliable Lenovo servers and powerful VMware vSAN® and VMware vSphere® virtualization technology.

With the ThinkAgile VX Series, all nodes come with the VMware software pre-installed and pre-configured. Everything is fully validated and integrated, so the nodes are simple to deploy and the platform is easy to scale.

With Lenovo as its infrastructure vendor-of-choice, the Fourth Affiliated Hospital of Nanjing Medical University now has one point of contact to ensure it gets the most out of the technology. Now that the organization doesn't have to work with multiple IT vendors for support, it has greatly improved efficiency.

Working with Lenovo, the Fourth Affiliated Hospital of Nanjing Medical University deployed hyperconverged infrastructure, high-end servers, and storage in an active-active data center configuration to enable high availability.

The solutions provide reliable, secure foundations for the organization's business-critical applications, including its electronic medical record, health information, data warehouse, and database systems.

3

Results

By providing rapid, reliable access to data to employees through Lenovo and VMware technology, the Fourth Affiliated Hospital of Nanjing Medical University can deliver a higher standard of healthcare. This helps the organization achieve better outcomes for patients, and to exceed expectations. Both the national and provincial health commissions have set targets for digitization. Investing in Lenovo and VMware technology to help meet these goals ensures the continued development of the hospital.

The Fourth Affiliated Hospital of Nanjing Medical University also simplified IT management, boosting efficiency. “Hyperconverged infrastructure from Lenovo and VMware vSAN gives us a simple, powerful, and consistent operating model, reducing time spent on operational and maintenance tasks by 30% and saving the IT team time that we can divert to achieving our strategic goals,” explains Sun Yong, Chief of Information Section at the Fourth Affiliated Hospital of Nanjing Medical University.

By refreshing its IT infrastructure with Lenovo and VMware technology, the Fourth Affiliated Hospital of Nanjing Medical University reduced operational and maintenance costs by 50%. As a result, the organization increased returns on its IT investments while future-proofing and modernizing its IT infrastructure.

✓ Enables rapid, reliable access to data, supporting high-quality healthcare

✓ 30% less time spent on operational and maintenance tasks, boosting efficiency

✓ 50% lower operational and maintenance costs, increasing returns on IT investments



“Jiangbei New Area district is developing into a national center for science and technology. With help from Lenovo, we are playing our part by creating a smart hospital that builds on the latest innovations.”

Sun Yong

Chief of Information Section, Fourth Affiliated Hospital of Nanjing Medical University

What will you do with Lenovo ThinkAgile VX solutions?

The Data-Centered deliver smart, digitized healthcare services with
Lenovo smarter infrastructure solutions, powered by VMware.

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