

Manufacturing

Building a platform for digital innovation

DIRUI

To create headroom for new digital services for its fast-growing business, DIRUI replaced an aging three-tier IT environment with a hyperconverged infrastructure solution from Lenovo and Nutanix—boosting application performance by 50% and enabling seamless scalability.



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Who is DIRUI

A high-tech enterprise and wholly owned subsidiary of CR Capital Holdings, Dirui Medical Technology Co., Ltd. (DIRUI) was founded in 1992 in Changchun, China. With 30 years of industry expertise, DIRUI's in vitro diagnostic solutions have won the trust of over 14,000 medical institutions in China as well as users in more than 120 countries and regions worldwide.

DIRUI

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The Challenge

DIRUI has a vision to become one of the world's leading suppliers of total laboratory solutions. Over the years, the company has driven significant growth, both in its domestic market in China and around the world.

To underpin its operations, DIRUI makes extensive use of digital systems—from ERP applications for the back office to research and development solutions that support the design and development of new products. In the past, the company relied on a traditional three-tier architecture to support these systems. However, the existing infrastructure was sprawling, complex, and nearing end-of-life.

Wang Long, Director of the Information Technology Department at Dirui Medical Technology Co., Ltd, confirms: “To prepare our business for further growth, we embarked on a digital transformation. One of the first goals was to replace our siloed IT infrastructure with a modern, agile, and integrated platform—enabling us to rapidly provision new virtualized environments to support our evolving business requirements.”

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“Over the years, our IT environment had ballooned to nine servers and five storage arrays, distributed across four separate virtual clusters. Managing and maintaining the legacy platform was becoming a significant drain on our IT resources, and information silos made it difficult for different teams in the business to collaborate. We targeted a more efficient platform for the 40 virtual machines that underpin our business systems.”

Wang Long

Director of Information Technology Department,
Dirui Medical Technology Co., Ltd

Building a hyper- converged platform

After evaluating hyperconverged infrastructure (HCI) solutions from Lenovo and Nutanix, DIRUI decided to replace its three-tier infrastructure with five Lenovo ThinkAgile HX7530 appliances running the industry-leading Nutanix Cloud Platform.

“With the HCI cloud platform from Lenovo and Nutanix, we can replace our heterogeneous servers and storage with an all-in-one platform,” confirms Wang Long. “By establishing a unified resource pool of high-performance compute and storage resources, it’s never been easier to spin up new services for the business.”

Hardware

Lenovo ThinkAgile
HX7530

Software

Nutanix Cloud
Platform
Nutanix AHV
Nutanix Prism

Services

Lenovo
Implementation
Service
Lenovo Warranty
Service



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“Working with Lenovo on the solution implementation was a pleasure—we went live with the new solution within just one hour of installing the new servers in the rack. As well as being fast and simple to deploy and to scale, the Lenovo ThinkAgile HX solution has high availability and self-healing capabilities built in, which gives us peace of mind that our mission-critical workloads are protected 24/7.”

Wang Long

Director of Information Technology Department,
Dirui Medical Technology Co., Ltd

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Results

Since moving to the Nutanix Cloud Platform, DIRUI has measured a 50% overall increase in application performance and a 50% reduction in IT management requirements—enabling the company to rapidly spin up new digital capabilities for the business.

Because the Lenovo ThinkAgile HX solution packs high performance into a dense footprint, DIRUI has also shrunk its rackspace usage from 50U to 10U—cutting energy consumption by 50% and data center space by 80%. And with distributed redundancy built in, the solution offers a 90% improvement in availability, helping DIRUI reduce the risk of unplanned downtime.

- ✓ 50% increase in application performance
- ✓ 50% reduction in energy consumption
- ✓ 50% reduction in IT management requirements
- ✓ 90% improvement in availability



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“With Lenovo ThinkAgile appliances and Nutanix software, we’ve laid a solid foundation to support the continued growth of our business for years to come.”

Wang Long

Director of Information Technology Department,
Dirui Medical Technology Co., Ltd

Why **Lenovo**?

DIRUI ultimately selected Lenovo ThinkAgile HX7530 appliances with Nutanix hyperconverged software because it offered the optimal combination of performance, manageability, and scalability.

“We knew that Lenovo offers excellent computing and storage performance to meet the needs of our enterprise-level applications—and it’s easy to plug in additional nodes as needed,” explains Wang Long. “We also appreciated the fact that Lenovo ThinkAgile HX solutions are certified for and preloaded with Nutanix software, and that the solution includes comprehensive and easy-to-use management tools like Nutanix Prism. When we considered Lenovo’s reputation for convenient and professional support services, the choice was clear.”



How can businesses accelerate digital transformation?

Learn how DIRUI replaced its aging three-tier IT environment with a hyperconverged infrastructure solution from Lenovo and Nutanix.

[Explore Lenovo ThinkAgile HX Series](#)