

# Supporting India's economy with trading for key commodities.

How a **leading commodity exchange** based in India helps ensure smooth operations with a highly reliable and available platform based on Lenovo ThinkSystem SR650 and SR570 servers.

Lenovo Infrastructure Solutions  
for The Data-Centered

Lenovo

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This commodity exchange based in India plays a key role in the national economy, as it provides trading services for key domestic products such as pulses and spices.

## Background

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In the trading market, massive volumes of commodities change hands every minute. For large exchanges, downtime can lead to widespread business disruption, significant financial penalties, and—in the worst-case scenario—harm the wider economy.

## Challenge

A company spokesperson explains: “Leading finance industry clients across India use our trading application to trade multi-million-dollar commodity contracts each year. Unplanned downtime is simply not an option, and we strive to ensure that our operations are always available.”

With its existing data center infrastructure approaching end-of-life, the company began searching for a new platform that could meet its needs for at least the next five years.



“We’ve relied on Lenovo solutions to support our business for many years, and in all that time the platform never let us down. We were keen to move to a new, future-ready platform that could match the high levels of performance, availability, and reliability we’d gained from our existing Lenovo infrastructure.”

**Spokesperson**

Leading commodity exchange



## Why Lenovo? High availability and ultra-competitive cost-efficiency.

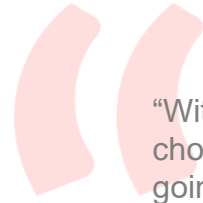
After reviewing a number of potential solutions from multiple leading IT vendors, the company decided to build on its success with Lenovo by moving its virtualization platform to Lenovo ThinkSystem SR650 and SR570 servers.

“Although we considered multiple different providers, in the end none measured up to the performance, technical support, and cost-efficiency of the Lenovo offering,” says the spokesperson.

## Overhauling IT.

Working together with experts from Lenovo, the company deployed a 16-node high-availability cluster based on 10 Lenovo ThinkSystem SR650 servers and four Lenovo ThinkSystem SR570 servers. All servers are equipped with low-latency solid-state drives, enabling maximum performance.

Using Lenovo XClarity, the company can manage the infrastructure from a single pane of glass, helping to cut the need for manual, repetitive management and maintenance tasks. And thanks to Lenovo XClarity Integrators for VMware vCenter, the exchange can extend its XClarity Administrator capabilities deep into the virtualization management layer—allowing fine-grained monitoring, rapid provisioning, and tight control of resource allocation.



“Without a doubt, Lenovo will be the first choice for our infrastructure requirements going forward.”

### **Spokesperson**

Leading commodity exchange

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## Results

When the company was working with Lenovo to migrate the virtualization platform to the new infrastructure, the COVID-19 crisis rippled around the world—and Lenovo was quick to adapt to help keep the deployment on track.

“If anything, the challenges of lockdowns in India has made our relationship with Lenovo stronger,” recalls the company. “Lenovo worked hard to help us put the necessary precautions in place to get resources on-site safely when we needed them. The Lenovo team is truly committed to our success, and we’ve been very impressed by their willingness to go the extra mile.”

By moving to a smaller number of servers with high compute density, the exchange will be able to achieve greater performance in a smaller data center footprint. As a result, the company predicts that it will gain significant power and cooling savings.

✓ **Sizable reduction in data center footprint without impacting performance**

✓ **Significant reduction in cooling and power costs**



“We are confident that Lenovo ThinkSystem servers will meet our needs for at least the next five years—allowing us to support India’s economy with trading services for key domestic commodities.”

**Spokesperson**

Leading commodity exchange

## What will you do with Lenovo smarter infrastructure solutions?

Learn more about how Lenovo's high performance and cost-effective data management and analytics solutions can help your business thrive.

[Explore Lenovo Smarter Infrastructure Solutions](#)

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