

Solution Brief

# Cloudian HyperStore® and Lenovo ThinkServer and System X Deliver On-premises Amazon S3-compliant Cloud Storage

## Solution Overview

Cloudian HyperStore® software, together with Lenovo ThinkServers and System X Servers, makes it easy to build full-featured, Amazon S3-compliant cloud storage, on-premises. Cloudian HyperStore-integrated ThinkServer and System X solutions provide multi-data center storage, unlimited scale, fully automated data tiering to the cloud, and support for all S3 applications—all behind your firewall.

## Cloudian HyperStore

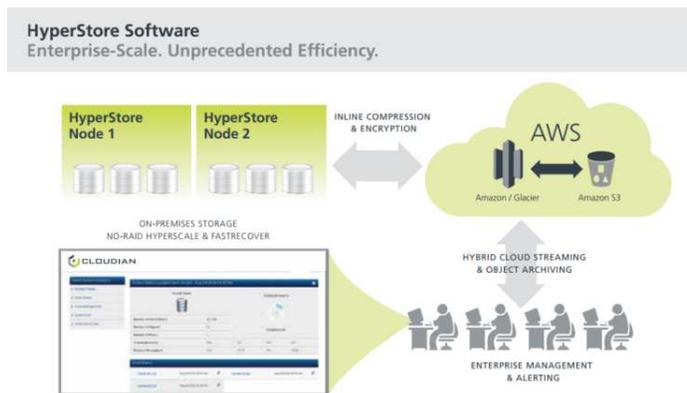
Cloudian provides enterprise-grade storage solutions for private and hybrid clouds. Its flagship product, Cloudian HyperStore®, is an S3-compatible storage platform that enables scalable, secure, and cost-effective hybrid cloud storage solutions. You can deploy HyperStore as software to be implemented atop your existing storage infrastructure, or as a fully integrated rack-ready appliance. Both deployment options deliver multi-data center storage with no constraints on data size, unlimited scale, optional data tiering to any S3 cloud, and support for all S3 ecosystem applications—on-premises, secure behind your firewall.

## Solution Highlights

- Easy out-of-the-box deployment
- Scalable to hundreds of petabytes across regions
- Simple to Grow – add racks with demand
- Leverage Lenovo’s world-class modular, industry standard hardware
- Efficient data protection with compression, replication and erasure coding
- Encryption for secure data storage
- Hadoop-ready data store
- Dynamic data tiering to Amazon S3, Glacier and S3-compatible clouds
- Comprehensive multi-tenant services & QoS

## Enterprise Use Cases

- BACKUP AND STORE
- LONG TERM ARCHIVING
- DATA ANALYTICS
- FILE SYNC AND SHARE
- REMOTE OFFICE FILE STORAGE
- STORAGE AS A SERVICE
- SECONDARY STORAGE FOR OPENSTACK & CLOUDSTACK



## Lenovo ThinkServer and System X

Lenovo knows how to handle the needs of today, but keeps their eyes wide open on the future as well. They’re highly motivated by possibility, and ThinkServer and System x turn the possibilities of tomorrow into business opportunities of today.

Lenovo creates products that deliver end-to-end compute, storage and networking capabilities, from the data center to mobile devices. Their products provide faster analytics from multiple sources of data, giving our customers valuable insights at earlier stages of the business cycle for more meaningful transactions and stronger customer loyalty. And help their customers embrace the cloud with ease and simplicity, all while delivering better data economics and lower total cost of ownership.

	ThinkServer RD650	System X3250 M5	ThinkServer SA120
Workload optimization	Capacity and Performance	Capacity and Performance	Capacity
Form Factor	2U	1U	2U
CPU Sockets	2	1	NA
Number of Drives	12 x 3.5", 2 x 2.5"	4	12 x 3.5", 4 x 2.5"
Capacity	74.4TB	24TB	51.2TB

## Node Types



### THINKSERVER RD650

Incredible storage density and a highly-flexible design - perfect for your business-critical applications

Outstanding storage density

Highly flexible design

Extra-reliable performance



### SYSTEM x3250 M5

Advanced performance and energy efficiency for businesses in a single-socket 1U rack server

Expand with simplicity - on your timetable

Emphasis on efficiency and value



### THINKSERVER SA120

Direct attach storage array provides high-density expansion and enterprise-grade reliability

Modular and scalable

Customer-focused design

Fast response, low latency

For more information or to try Clouidian HyperStore, visit [www.clouidian.com](http://www.clouidian.com).

### About Clouidian

Clouidian is a Silicon Valley-based software company specializing in enterprise-grade storage. Its flagship product, Clouidian HyperStore®, is an S3-compatible storage platform that enables service providers and enterprises to build reliable, affordable and scalable hybrid cloud storage solutions. For more information, or to try Clouidian HyperStore today, visit [www.clouidian.com](http://www.clouidian.com).

### About Lenovo

Lenovo has grown faster than the market for more than four years because our exceptionally engineered products are meant for those who do. Our customers use innovation to bring progress to the world, and we design and build our products with this in mind, taking inspiration from the drive and imagination of the people who make things happen. Whether a PC, smartphone, tablet, smart TV, server, workstation or storage, Lenovo makes the products that customers need for what we call the "PC+ world." Visit [www.lenovo.com](http://www.lenovo.com).