CLOUDIAN®

Lenovo™
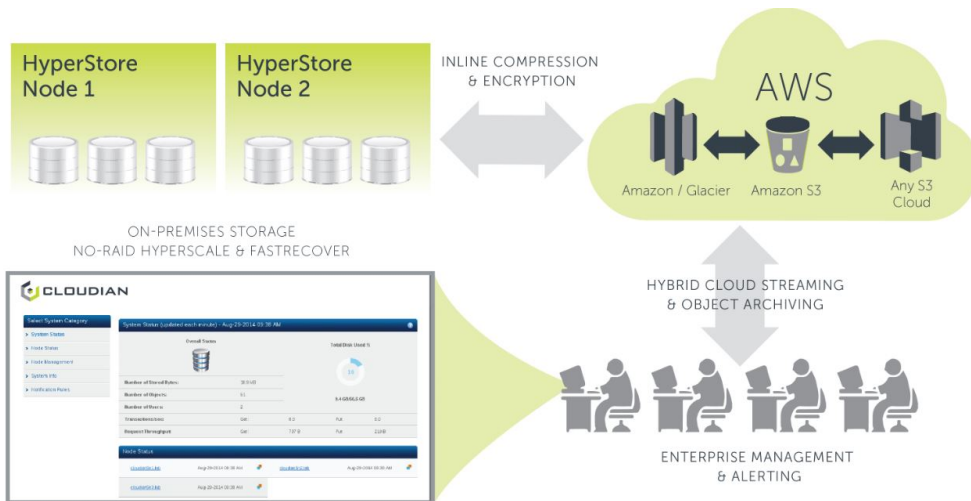
Cloudian HyperStore® and Lenovo Deliver On-premises Amazon S3-compliant Cloud Storage

HyperStore Software
Enterprise-scale. Unprecedented efficiency.

Solution Highlights

- Easy out-of-the-box deployment
- Scalable to hundreds of petabytes across regions
- Fully integrated rack system and
- Cloudian HyperStore software
- Simple to Grow – add racks with demand
- Leverage 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
- File Sync and Share
- Remote Office File Storage
- Secondary Storage for
- Openstack & CloudStack

Solution Overview

Cloudian HyperStore® software, together with Lenovo makes it easy to build full-featured, on-premises Amazon S3-compliant cloud storage. Cloudian HyperStore-integrated ThinkServer 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. Our 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 (400+ and growing).

ThinkServer x3650

The Lenovo System x3650 M5 server is an enterprise class 2U two-socket versatile server that incorporates outstanding reliability, availability, and serviceability

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(RAS), security, and high efficiency for business-critical applications and cloud deployments. It offers a flexible, scalable design and simple upgrade path to fourteen 3.5-inch hard disk drives (HDDs), with doubled data transfer rate via 12 Gbps serial-attached SCSI (SAS) internal storage connectivity and up to 1.5TB of TruDDR4 Memory. Its onboard Ethernet solution provides four standard embedded Gigabit Ethernet ports and two optional embedded 10 Gigabit Ethernet ports without occupying PCIe slots. Combined with the Intel® Xeon® processor E5-2600 v3 product family, the x3650 server offers a high density of workloads and performance targeted to lower the total cost of ownership (TCO) per virtual machine.

ThinkServer RD650

The Lenovo® ThinkServer® is a 2U, twosocket storage-rich server that provides up to 74 TB of storage capacity. It features a Lenovo Any Bay® design that allows a unique hybrid option with nine 3.5-inch and six 2.5-inch front-access drive bays in the front and two 2.5-inch drive bays in the back and the standard 3.5-inch and 2.5-inch HDD chassis, which is ideal for creating a tiered storage environment. The RD650 provides Lenovo AnyRAID® technology, which is a mid-plane RAID adapter design that connects directly to the drive backplane without the use of a PCIe slot. SD card options are available to enable flexible boot-drive choices.

ABOUT CLOUDIAN

Cloudian is a Silicon Valley-based software company specializing in enterprisegrade storage. Its flagship product, Cloudian HyperStore®, is an S3-compatible storage platform that enables service providers and enterprises to build reliable, affordable and scalable hybrid cloud storage solutions.
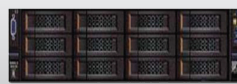
ABOUT LENOVO

Lenovo is one of the world's leading personal technology companies, producing innovative PCs and mobile internet devices.

For more information, or to try Cloudian HyperStore, visit **www.cloudian.com.**

TECHNOLOGY SPECIFICATIONS

• Enterprise Systems Management
• Supports 2.5 inch and 3.5 inch drives
• Hot swappable hard disk drives
• Hot swappable power supplies and cooling

	ThinkServer RD650	ThinkServer x3650 MS
DRIVES	12 x 4 TB or 12 x 6 TB	14 x 4 TB or 14 x 6 TB
STORAGE CAPACITY	48 TB or 72 TB	56 TB or 84 TB
FLASH OPTIMIZED	Yes. 2 x 300 GB SSD	Yes. 2 x 300 GB SSD
DATA PROTECTION	Replication and Erasure Coding	
PROTOCOL SUPPORT	SE, NFS	
NETWORK INTERFACE	10 GbE dual port NIC	10 GbE dual port NIC
FORM FACTOR	2U	2U
CPU	Intel® Xeon® E5-2600 v3 Series	
MEMORY	64 GB	64 GB
MONITORING/MANAGEMENT	CLI, GUI, API, IPMI,JMX	