

# Lenovo Storage DX8200C powered by Clouidian

Flexible, scale-out object storage for massive data growth.



Pre-tested, certified, and pre-loaded: Clouidian HyperStore object storage on proven Lenovo systems featuring Intel Xeon processors

## Take a New Approach to Storage

As data growth continues to outpace the growth of IT budgets, you need a brand new storage approach. The Lenovo DX8200C powered by Clouidian appliance provides affordable, highly efficient, high-capacity storage to meet the growth of unstructured data—media images, video, backups, web content, file shares. It makes it easy to build full-featured, on-premise Amazon S3-compliant storage at a cost of pennies per GB per month. The pre-validated turnkey system, based on the Clouidian HyperStore® object-storage platform, provides petabyte-level scalability, high resiliency, geographic independence, and multi-tenancy.

Lenovo's global leadership and innovation in servers includes industry-leading reliability and world-class performance for business-critical applications and cloud deployments. You can directly obtain a single point of contact for 24/7 technical assistance from Lenovo's world-class support organization, which is rated #1 for overall x86 Server Customer Satisfaction.

The Lenovo Storage DX8200C powered by Clouidian solution is part of the Lenovo StorSelect Software Defined Storage (SDS) program, which provides quality, engineering expertise, and Lenovo's worldwide global services. You can quickly and confidently deploy new SDS technologies using preloaded appliances with software from best-of-breed Independent Software Vendors (ISVs) on proven Lenovo systems. The StorSelect solutions enable easy expansion for scalable deployments as well as integration with existing storage infrastructure so that you can grow your SDS deployment on your own terms.

## DX8200C powered by Clouidian

The Lenovo Storage DX8200C powered by Clouidian appliance is part of the award-winning Lenovo portfolio of systems. This versatile powerhouse incorporates industry-leading reliability, security, energy efficiency and world-class performance for business-critical applications and cloud deployments. Lenovo servers ranked #1 in reliability of all x86 servers for the third year in a row and #1 in overall customer satisfaction for 2014 and 2015. The DX8200C offers a flexible, scalable design and simple upgrade path to fourteen 3.5-inch hard disk drives (HDDs) for up to an impressive 112TB of storage capacity per node.

Lenovo™

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# Lenovo Storage DX8200C powered by Cloudbian

Lenovo XClarity provides centralized management including automated discovery, inventory tracking, real-time monitoring, configuration, fault detection and alert handling.

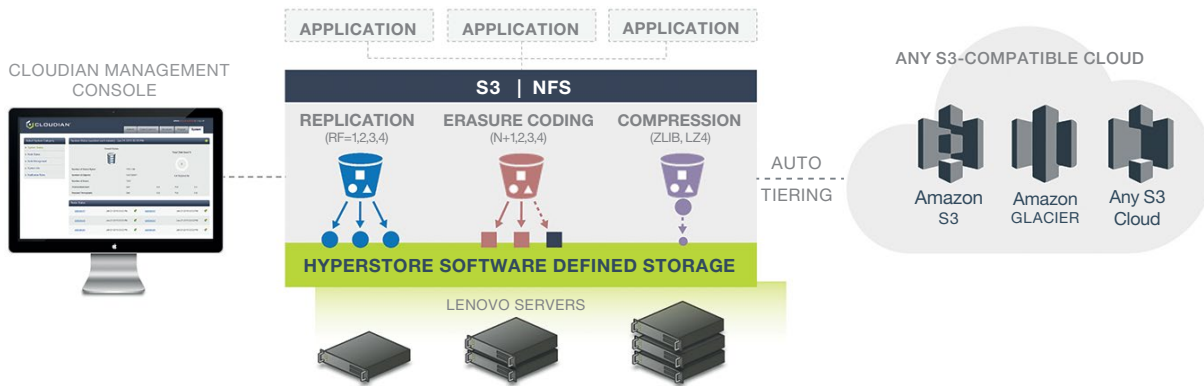
For easy network expansion and flexibility the server's onboard Ethernet solution provides two standard embedded Gigabit Ethernet ports and two 10 Gigabit Ethernet ports without occupying PCIe slots. The appliance also incorporates smart-energy features for data center savings, including 80 PLUS® Titanium power supplies for up to 96 percent efficiency and TruDDR4 Memory using 45 percent less energy than DDR3 memory.

Lenovo systems accelerate performance across virtualized, transactional databases, high performance computing, and high frequency trading applications. Combined with the powerful Intel® Xeon® processor E5-2600 v4 product family, the Lenovo system offers outstanding workload density, designed to lower the total cost of ownership (TCO) per virtual machine.

## Cloudbian HyperStore

Cloudbian provides enterprise-grade storage solutions for on premise, private and hybrid clouds. Cloudbian's flagship product, HyperStore, is the only S3-compatible storage platform that enables scalable, secure and cost-effective object storage solutions for hybrid clouds. It delivers multi-data center storage with no constraints on data size; unlimited scale; optional, fully automated data tiering to any S3 cloud; and support for all S3 ecosystem applications (1000+ and growing)—all behind your firewall. HyperStore ensures seamless S3 integration with every available AWS/S3 application. Gone are islands of data with limited capacity and accessibility.

With guaranteed S3 compatibility, HyperStore's peer-to-peer architecture allows almost endless scaling. Scale from as few as three servers to many hundreds of servers, across data centers and geographic regions. The system is designed for always-on data storage with protection using Erasure Coding and Replication. It is secured with encryption, certificate-based access controls, and multi-tenancy controls.



Cloudbian HyperStore enables scalable, secure and cost-effective object-storage solutions for hybrid clouds.



## Enterprise Use Cases

Data powers many of today's most innovative businesses, and the Lenovo DX8200C powered by Cloudian provides an affordable, highly efficient and durable storage platform to meet the growth of unstructured data.

**Target use cases for the Lenovo Storage DX8200C powered by Cloudian solution include:**

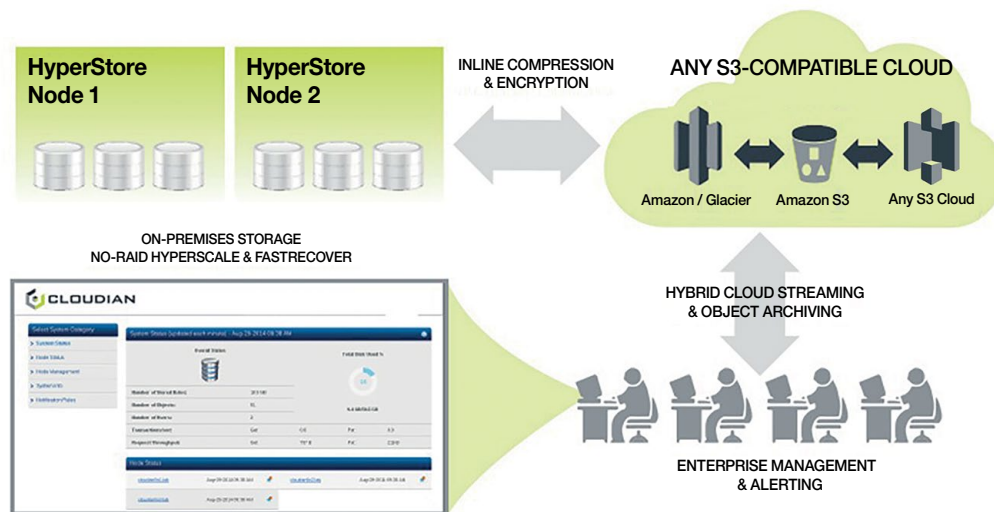
- Backup and Store
- Long Term Archiving
- File Sync and Share
- Remote Office File Storage
- Secondary Storage for Openstack & CloudStack

## Why Lenovo

Lenovo is a \$46 billion global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads. Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

## HyperStore Software

Enterprise-Scale, Unprecedented Efficiency



Enterprise scale, unprecedented efficiency



# Lenovo Storage DX8200C powered by Cloudian

## Specifications

<b>Storage Management Software</b>	Cloudian HyperStore
<b>Scale Out Storage</b>	Starts with three nodes and scales to hundreds
<b>Configurable Data Protection</b>	Erasure Coding, Replication, Configurable Consistency
<b>Multi-Tenancy Controls</b>	Role based Group/User level Access Controls QoS services to control usage Configurable cost accounting and chargeback
<b>Data Encryption</b>	AES256 bit encryption support
<b>Systems Management</b>	Lenovo XClarity Administrator with mobile option; Lenovo XClarity Pro software bundle; Lenovo XClarity Energy Manager; IMM2.1, Cloudian Management Console
<b>Form Factor/Height (per node)</b>	2U rack
<b>Processor (per node)</b>	Intel® Xeon® processor E5-2630 v4
<b>Number of Processors (per node)</b>	1
<b>Cache (per node)</b>	20MB
<b>Memory (per node)</b>	64GB (base)
<b>Expansion Slots (per node)</b>	1 – 8 PCIe 3.0 slots (supports up to 4 GPUs and up to 1 x ML2) and 1 dedicated RAID slot
<b>Disk Bays (per node)</b>	Up to 12 3.5-inch and 2 rear 3.5-inch HDDs + 2 2.5-inch HDDs/SSDs
<b>Maximum Internal Storage (per node)</b>	Up to 112TB
<b>Network Interface (per node)</b>	2 1GbE + 2 10Gb (base), optional SFP+, Base-T
<b>Power Supply (per node)</b>	1/2 redundant 750W AC, 80 PLUS® Platinum
<b>Hot-Swap Components (per node)</b>	Power supplies, fan modules and HDDs/SSDs
<b>Limited Warranty</b>	3-year customer replaceable unit and onsite limited warranty, next business day 9x5; upgrades available
<b>Support</b>	Lenovo Single point of Contact for 24/7 assistance

## For More Information

To learn more about the Lenovo Storage DX8200C powered by Cloudian, contact your Lenovo representative or Business Partner or visit: [lenovo.com/systems/storage](http://lenovo.com/systems/storage)

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