

Enterprise-grade, fully native S3-compatible object storage with the VMware vSAN™ Data Persistence platform for traditional and containerized applications

Rise of Kubernetes and Cloud Native Applications

As enterprises increasingly adopt Kubernetes and deploy modern, cloud-native applications, there is a need to ensure associated storage is also modernized and up-to-date. A key challenge is for storage to support both new container-based applications as well as traditional applications. Application requirements also demand storage platform integration with VMware to seamlessly support both stateless and stateful workloads along with the necessary performance and SLA guarantees.

Solution

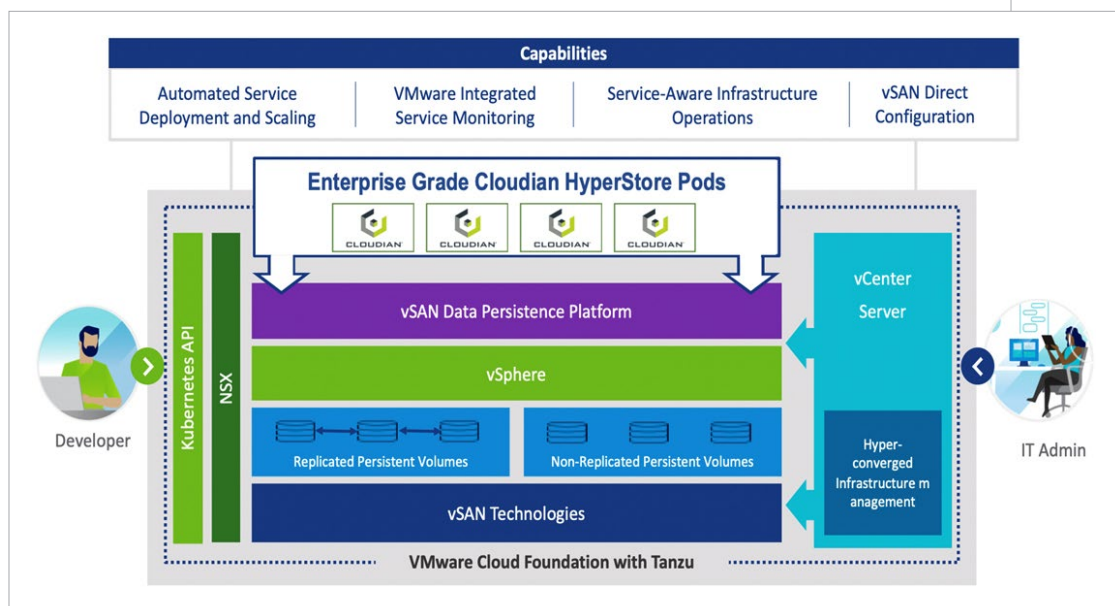
Clouidian's enterprise-grade, fully native, S3-compatible object storage software integrated with the VMware vSAN Persistent Services platform enables new efficiencies and savings by allowing enterprises to run both modern, cloud-native applications and traditional applications on a single, shared storage environment, at scale, on-prem and in both private and public clouds. The solution extends HyperStore's simple-to-deploy and easy-to-manage, exabyte scalable, highly secure, multi-tenant storage to any application, while also reducing costs by 60% and more.

The integration supports Clouidian HyperStore with VMware Cloud Foundation™ and VMware Tanzu™, and combines industry-leading VMware HCI platform and Clouidian HyperStore into a single, shared-nothing data platform.

This allows IT operators to modernize their storage infrastructure, accelerate innovation and improve time-to-market with enhanced application portability. They will be able to quickly respond to developer needs and deploy modern, stateful applications easily, while developers will be able to dynamically scale associated resources as their applications scale.

SOLUTION BENEFITS

- Enterprise-grade object storage software on proven vSphere platform
- Single platform for all applications and data
- Native S3-APIs with guaranteed compatibility
- Scale-out modular design with centralized data management
- Optimized data path with vSAN Direct configurations
- Self-healing and data durability
- Start small and expand without downtime
- Military-grade security and regulatory compliance certification
- Hybrid and multi-cloud ready
- Shared storage for all applications with 60% savings
- VMware certified for trouble-free integration
- Flexible deployment options



Clouidian integrates with VMware vSAN Persistent Services platform, enabling new efficiencies and savings by allowing enterprises to run both modern, cloud-native and traditional applications in a single, S3-compatible shared storage environment, at any scale, on-prem and in both private and public clouds.

KEY FEATURES

The new integrated Cloudian-VMware solution will help maximize the benefits of modern stateful services on VMware Cloud Foundation with Tanzu. Key features will include:

Enterprise-grade object storage on vSAN Data Persistence

platform: Leverage vSAN Direct Configuration™ for object storage to improve storage efficiency.

Automated deployment and scaling through Kubernetes:

Easily install, deploy and scale Cloudian HyperStore on VMware vSphere clusters straight from the VMware vCenter® UI dynamically and in a self-service manner through Kubernetes APIs.

vSphere-integrated capacity and health monitoring:

Seamlessly manage a HyperStore cluster across data centers, edge environments and public clouds without leaving vSphere.

Service-aware infrastructure operations: Minimize the disruptions and impact of infrastructure operations such as planned maintenance and lifecycle management through a shared-nothing architecture.

CAPEX savings: Leverage Cloudian data policies (replication or erasure coding) with vSAN Direct Configuration to lower costs and improve storage efficiency.

OPEX savings: Consolidate both traditional workloads and modern, cloud-native workloads on the same platform, eliminating infrastructure silos and capitalizing on common skills and training.

KEY USE CASES

Unified platform for traditional and cloud-native applications:

Eliminate resource silos, increase flexibility and agility, optimize storage economics, and simplify operation, meet SLAs with confidence, and respond to the needs of the business faster.

Converged data protection: Proven VMware HCI platform for enterprise applications and data, Cloudian HyperStore as scalable backup/archive and DR target, compatible with most popular data protection solutions, Policy-based replication to remote site or cloud, 100X faster access than tape and 70% less cost than backup appliance.

Cloud Repatriation and Private Cloud: Deliver various as-a-service offerings, support S3-APIs with granular data management, meet customers data growth requirements without complexity, respond to unpredictable demand, and deliver high service levels at lower costs.