

nSAN

Symple, scalable and resilient storage

Storage & Data Platform for modern infrastructures

nSAN is the software-defined storage platform designed to work alongside nSSV or integrate into data centers that require reliable data management. It aggregates heterogeneous physical resources into a single virtual volume, ensuring simplicity, linear scalability, and centralized management. Ensuring protection, resilience, and optimized performance.

Linear Scalability

Add nodes or resources without interruptions, with predictable growth in capacity and performance.

High Performance

Support for multi-level caching, SSD, and NVMe for critical workloads and latency-sensitive applications.

Advanced Data Protection

Block storage volumes distributed across nodes to minimize service disruption in case of hardware faults.

Openness and Compatibility

Designed for HCI and cloud environments, deployable on standard hardware and easy to integrate into modern infrastructures.

Thanks to its distributed and scalable design, nSAN makes it possible to build elastic storage clusters starting from standard hardware, with the ability to grow in capacity and performance linearly. Unified management of volumes and nodes simplifies daily operations, while advanced monitoring features automatically detect and isolate faulty or slow disks, reducing the risk of interruptions and increasing the overall reliability of the system.

Architecture & Scalability

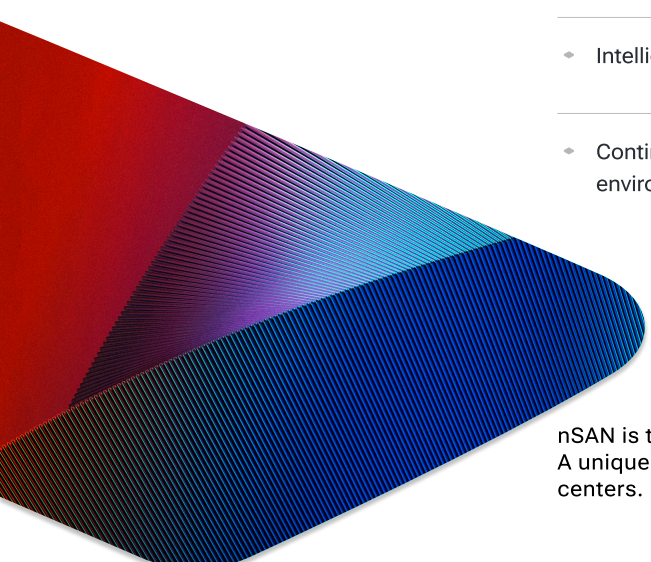
- Scale-out distributed architecture that grows elastically, without interruptions
- Automatic data balancing and built-in resilience
- Unified management of clusters and volumes from a centralized console
- Based on Ceph technology

Performance & Efficiency

- Multi-level caching with memory, SSD, and NVMe
- Parallel I/O to maximize throughput and reduce latency
- Automatic resource optimization

Data Protection

- From 2 to 6 redundant copies of the data distributed across nodes and clusters
- Distributed redundancy to tolerate disk or node failures
- Intelligent monitoring of nodes and disks
- Continuous availability for block storage volumes in HCI environments



nSAN is the next-generation distributed storage: scalable, resilient, open, and secure. A unique software-defined platform to reduce complexity, and enable the future of data centers.

Operational Efficiency

Simplified management and O&M automation that reduce time and complexity.

Continuous Innovation

Ongoing updates and support for modern environments, from containers to the cloud.

Unified Experience

Centralized console with advanced monitoring and observability.

Future-Proof

Elastic and modular architecture, ready for edge, enterprise, and hyperscale.