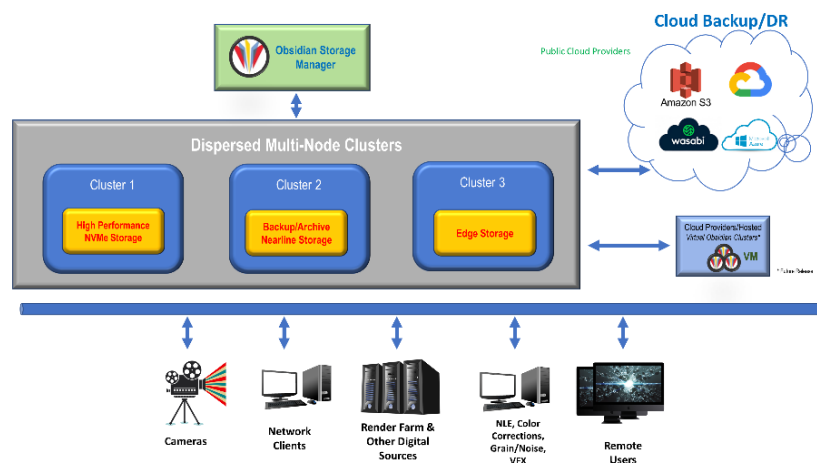


Cloud Native Obsidian

Solutions Brief

SIMPLE ON-PREMISE CLOUD STORAGE WITH ENDLESS STORAGE LIFECYCLE

Cloud Native Obsidian (CNO) is a comprehensive, on-premise cloud storage solution based on cloud native architecture. As a distributed software-defined storage solution, CNO provides the durability and fault tolerance for today’s always-on data center. Highly scalable, vertically and horizontally, for both capacity and/or performance, CNO storage solution can be infinitely expanded. Optimized for multi-protocol support, CNO provides the flexibility to deploy across many of the most demanding IT use cases.



CNO simple storage management makes the adoption of cloud-native services pain-free while letting you focus on your business strategy and achieving faster time to market for your storage solutions. CNO provides local storage capacity with lower latency performance and no complicated storage tiers when comparing to cloud-based storage. CNO removes the traditional RAID hardware constraints by simply allowing additional, qualified storage nodes to be added to the CNO cluster and providing a scalable storage lifecycle, under one storage manager.

Cloud Native Obsidian Solution Highlights

Simple

- Single-Pane of glass storage management across the enterprise
- Seamless and non-disruptive upgrade
- Monitoring and alerts of CNO storage clusters and all storage engines

Elastic Growth

- Optimized and dynamically scalable for both capacity and performance
- Hybrid HDD/SSD and NVMe web-scale storage clusters
- Bottomless scale with future-proof by adding new storage generation and still managed under a single storage manager

Flexible

- Easy and flexible provisioning with high performance and density storage offerings
- Enterprise scale file services
 - S3 compatible Object storage
 - NFS V3/V4 and SMB

Distributed & Secure

- Resilient, fault-tolerant and distributed software defined storage solution for maximum uptime
- Erasure coding or replication support for superior data protection
- Durable with data replication and distributed clusters in any data center
- Ransomware protection with object locking support

Target Applications

Backup and Archive

Media & Entertainment

Video Surveillance

Anywhere File Services

Comprehensive Offerings for All Storage Needs

Three product configurations for CNO: 1) CNO storage solution including an ultra-dense, deep capacity cluster with only 6RU that can accommodate up to 2PB of capacity for faster backup, archive and recovery of all data. 2) All-flash NVMe based CNO cluster optimized with S3 compatible file service, providing ease of integration and high performance, required for HPC/AI/ML applications. 3) CNO edge cluster efficiently delivers low latency file services to all remote clients and applications with data replication technology to move data between CNO clusters and public cloud providers.



CNO General Purpose and Nearline Clusters



CNO All-Flash Cluster



CNO Edge Cluster

Cloud Native Obsidian Use Cases

Enterprise On-premise Backup/Archive

Faster Backup and Recovery of Data

- Multi-protocol support
- Ransomware protection with object locking
- Shorten backup windows
- Gain faster access to recovery data
- Best media to replace tapes

Enterprise On-premise Unified Storage

Consolidate with Simple and Scalable Multi-Protocol Support

- Fault-tolerant storage architecture with no local recovery required
- Simple single name space file sharing
- Faster general files access
- Snapshots for quick recovery

Enterprise On-premise Object Storage

Reduce Object Storage Latency and No Additional Fees

- Private cloud with local S3 compatible buckets provisioning and always ON access
- Faster and lower latency access to data
- Predictable and controllable storage costs
- On-premise IT control and compliant
- Ransomware protection with object locking

Enterprise On-premise Centralized Storage Management

Unified File Services with Centralized Storage Management

- Simplify storage management with secure anywhere and anytime access and control
- Manage unlimited number of Obsidian clusters with a single pane of glass, Obsidian Storage Manager
- Intuitive with full-control for the whole Obsidian storage infrastructure

Combined with Viking Enterprise hardware solutions, CNO provides Ultra-fast and lower latency storage solutions to provide companies with faster time to market and in turn provide the best customer experiences. CNO endless lifecycle feature provides seamless scalability for both capacity and performance while future-proof the storage investment with cloud native architecture by adopting modern hardware technologies as they become available and avoiding fork-lift upgrades requirements. Less complex with Day-2 simple, powerful, secure and intuitive single storage manager for the whole Obsidian infrastructure while lessen the learning curve. Available in cost-effective high-density and performance options to help with the unstructured data sprawl, online backup/archive requirements and many other storage use cases.

ABOUT VIKING ENTERPRISE SOLUTIONS

Viking Enterprise Solutions, a product division of Sanmina Corporation (NASDAQ: SANM), provides advanced data center products including solid-state memory and disk-based storage server appliances, JBOD storage systems and other products for a variety of data center and storage applications. Viking Enterprise Solutions' award-winning products are tailored for integration into OEM, system integrator and data center products, reducing development and operating costs while improving time-to-market. More information is available at www.vikingenterprisesolutions.com.