VIKING™
Enterprise Solutions

PRODUCT BRIEF | Cloud Native Obsidian Storage Solutions

Simple On-premises Cloud with Endless Storage Lifecyle

Cloud Native Obsidian (CNO) is a comprehensive, on-premises 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.

Cloud Native Obsidian Solution Features

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

FLEXIBLE
- Cloud integration with security features
- Enterprise scale file services
    - S3 Object storage support
    - NFS V3 and V4 file sharing support
    - SMB file sharing support

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

DISTRIBUTED & SECURE
- Resilient, Fault-Tolerant and Distributed Software Defined storage solution for maximum uptime
- Triple-parity or replication support for superior data protection
- Durable with data protection and distributed clusters in any data center
- Dynamic and self-service (cluster, containers, micro services)

CNO Optimizes and Designed For

Backup and Archive

Media & Entertainment
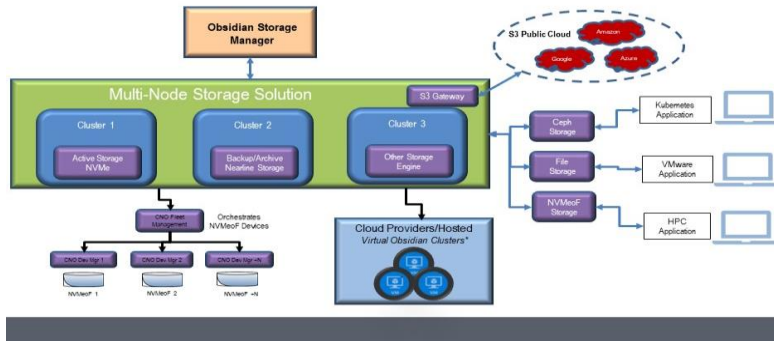
Video Surveillance

HPC & File Services

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CNO simple storage management make 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 Storage Framework

Cloud Native Obsidian Use Cases

Enterprise On-Premises Object Storage
Reduce Object Storage Latency and No Additional Fees
- Private cloud, local S3 compatible buckets with always ON access
- Fast and lower latency access to data
- No cache servers required
- On-premises IT control and compliant

Enterprise On-Premises Backup/Archive
Faster Backup and Recovery of Data
- Multi-protocols support
- Snapshots and replication for quick recovery
- Shorten backup windows
- Gain faster access to recovery data
- Best media to replace tapes

Enterprise On-Premises Centralized Storage Management
Obsidian 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

Enterprise On-Premises Unified Storage
Consolidate with Simple and Scalable Multi-Protocols Support
- Fault-tolerant storage architecture with no local recovery required
- Simple single name space file sharing
- Faster general files access
- Snapshots for quick recovery

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.