StoneFly
USO
Unified Scale Out (USO) Hyperscale Storage Systems

Ransomware Protection and Security Features

- Software Defined Network Isolation Zone
- Immutable File and Object Lockdown
- Air-Gapped and Immutable Repositories, Controllers, and Nodes
- Immutable Delta-Based Snapshots
- Self-Healing from Data Corruption
- End-to-End Encryption Transit/Rest
- Hardware Based Encryption Engine
- Recycle Bin Programmable
- Chain of Command Security in Muti-Controller
- Anti-Ransomware/Malware/Viruses Scanner
- Sandbox for Testing and Clean Spin up
- Automated Failover/Failback
- Cloud Connect Public/Private (For 3-2-1-1-0 Strategy)
- Muti-Factor Authentication (MFA)
- Volume Deletion Protection

Storage Features

- SAN Block Storage (iSCSI & Fibre Channel)
- NAS (File-Based) CIFS/NFS Storage
- Object S3 Storage
- Block mode Replication Async and Sync
- Expansion - Scale Up Support
- Expansion - Scale Out Support
- Scale Up to 128 Nodes
- Cloud Connector to Azure/AWS/S3 Local Resource

Storage Optimization Features

- Deduplication - Variable Block Support
- Thin Provisioning for Repositories
- Space Reclamation Technology
- Frontend SSD Caching
- Hot/Cold Storage Tiering Support Cloud/SSD/NVMe
- Single Name space Scale out Support
- Load Balancing

Management Features

- Single Pane of Management
- Ease-of-Deployment
- Ease-of-Use
- Real-time Monitoring and Reporting

Got Questions?

Learn More:

https://stonefly.com/storage/uso-appliance

USO Overview

The Unified Scale Out (USO) is a highly scalable target storage appliance with unified NFS or CIFS/SMB NAS, 10/40/100gb iSCSI or 8/16Gb Fibre Channel SAN, and S3 object storage.

The USO appliances come preconfigured with StoneFly storage OS (StoneFusion) - an 8th generation patented storage virtualization solution that puts data owners in control of their data & storage resources with a mix of data protection, storage optimization & monitoring features.

USO Capabilities

- Run applications, databases, & other software on SAN volumes
- Store redundant copies in local S3 or cloud repositories
- Store & share files and folders with NAS volumes
- Scale out to virtually thousands of nodes with petabytes of storage capacity

Preconfigured with

- StoneFly StoneFusion
- Built-in Cloud Connect to Azure, AWS, or StoneFly cloud

4 to 36-bay rackmounts

Bring your own license or buy licenses from StoneFly.

USO Appliance Series Options

- **XS-Series**: 10 to 28 Core Xeon Processor
- **XD-Series**: Dual 10 to 28 Core Xeon Processors