

# SOFTWARE DEFINED STORAGE



## ARXYS | SENTIO

### Storage | Orchestrated

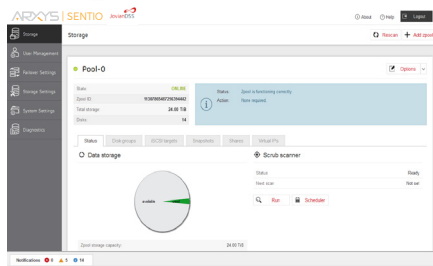


Arxys | Sentio Software Orchestrated Storage is purpose-built for enterprise-class Software Defined Storage (SDS) environments that demand optimum performance, non-stop availability and the lowest Total Cost of Ownership. Arxys | Sentio is a high-performance scale-out SDS platform that bring unprecedented scalability, protection, performance and efficiency to your organization.

The Arxys | Sentio Software Defined Storage (SDS) platform is purpose-built to scale-up to make storage management disruptively simple while reducing storage costs and complexity. With verified support for all major SAN/NAS protocols including iSCSI/FC and NFS/CIFS/SMB and a high availability scale-up 128bit ZFS file system with fault-tolerant technologies, Sentio delivers a full array of enterprise features and capabilities for file, block and object storage at the lowest TCO in the industry.



Arxys | Sentio is VMWare ready storage and supports most major HyperVisors



### Storage | Defined



Arxys | Sentio ensures the highest data reliability and integrity – for optimal data storage, protection and recovery. It addresses the needs of enterprise users seeking a unified block and file (NAS and SAN) solution with thin provisioning, compression and deduplication.

You can seamlessly scale up choosing the most advantageous hardware configuration to meet your needs. Hardware limitations on scaling storage are eliminated via intelligent virtualization and thin provisioning. Sentio delivers unlimited file sizes and near limitless scalability to future-proof your infrastructure, making it hyper-agile and programmable.

Sentio, in collaboration with a certified hypervisor, creates sophisticated Hyper-converged Infrastructures The result is a cost-effective, flexible and highly scalable solution for virtualization that offers performance and data efficiency at unprecedented value.

## Advantages

- Highest multi-streaming bandwidth available
- Virtualization & Thin Provisioning for every application
- Lowest Total Cost Of Ownership
- High availability cluster ensures non-stop protection
- Scale-up technology delivers future-proof security

## Storage | Protected



Arxys | Sentio Software Orchestrated Storage (SOS) provides compelling options to architect High Availability (HA) storage environments (incl. SMB/CIFS, NFS and iSCSI protocols). Whatever your data and storage requirements, either as a single node, a virtualized High Availability solution or a Big Data cluster environment, Arxys | Sentio ensures uninterrupted data access and protection that scales up seamlessly.

Self-healing check-sums, atomic writes and transactional copy-on-write I/O operations eliminate silent data corruption and 'write-holes' ensure warranted data integrity without compromise. Additionally, S.M.A.R.T. attributes for all disks in the log files enable rapid detection of key early indicators of drive reliability to avoid disk failure. Your data is continuously and actively protected and optimized ensuring ultimate peace of mind.

High Availability Load-balanced Clusters with Ethernet, SAS or Fibre Channel connection delivers ironclad data security with SMB / NFS / iSCSI failover functionality in either local-local and/or in a metro-wide solution.

## High Availability

Active-Active or Active-Passive dual HA Cluster for iSCSI / NFS / SMB over Ethernet, Fibre Channel & SAS.

## Data Protection

Offsite Data Protection, offering built-in backup & instant Disaster Recovery, as well as multiple backup destinations

## Data Virtualization

Thin & Over Provisioning w/ pooled storage, unlimited instant Snapshots & Clones

## Scalability

Up to 5PB in single namespace with ZFS technology



## Storage | Recovered



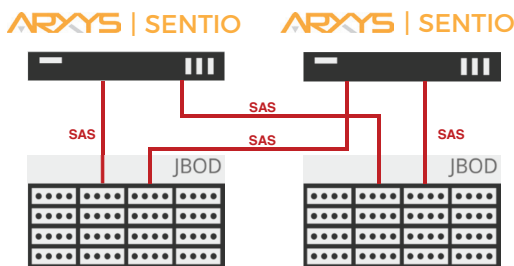
Off-site Data Protection in Arxys | Sentio delivers a winning strategy for Backup, Archiving and Disaster Recovery by enabling asynchronous replication to local sites or co-locations. This way, servers with crucial data can be easily and instantly restored in case of an unexpected disaster. The Off-site Data Protection functionality can create unlimited, consistent, real time snapshots and asynchronously replicate snapshot deltas to local or remote destinations to deliver true data security

Software Orchestrated Storage:

- Active-active HA cluster (Dual appliances)
- RAID6 or 60 delivers double parity
- Off-site data protection
- Scale to fit: Scale-up to 5PB
- 128bit optimized Storage OS
- Tiered cache delivers performance
- Scale-up storage pools as you grow

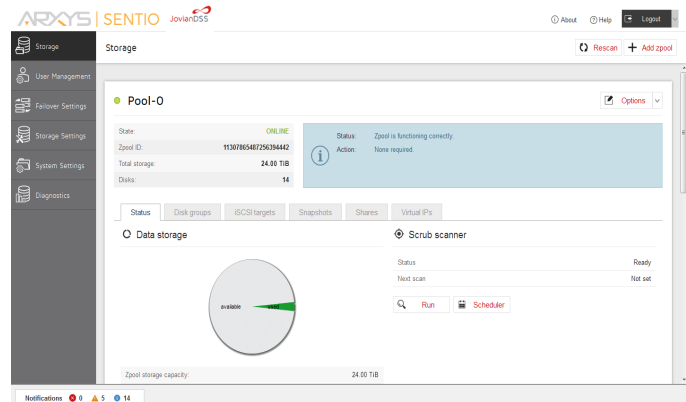
## Highest Data Protection Levels

### Dual Clustered HA System Mirrored Active/Active



| Risks            | Counter Measure              | Restore Time |
|------------------|------------------------------|--------------|
| Virus Attack     | Snapshots                    | Instant      |
| Data Corruption  | Self-Healing                 | Instant      |
| Disk Failure     | RAID Levels                  | instant      |
| Rebuild Failure  | Secondary RAID Levels        | Instant      |
| System Failure   | Backup &/or Cluster Server   | Instant      |
| Natural Disaster | Remote Mirror/Backup         | Hours        |
| Theft            | Remote Mirror/Backup         | Hours        |
| Human Error      | Remote Mirror/Backup         | Hours        |
| Downtime         | HA Cluster Storage & Servers | Instant      |

## Optimized For Data Storage



Powered by:



# ARXYS | SENTIO - Software Defined Storage