

# STONEFUSION™ UNIFIED STORAGE SOFTWARE FEATURES

Innovative data protection, storage optimization, and real-time monitoring capabilities for unified NFS and CIFS/SMB, iSCSI/Fibre Channel, and S3 object data.

StoneFusion™ is an 8th gen storage operating system that enables you to turn your bare metal servers into highly scalable unified storage appliances for file, block and object storage with integrated data services and cloud storage support.

## INTEGRATED DATA SERVICES

The integrated data services can be divided into the following categories:

- **Data protection features** – Protect your business-critical data from data loss via ransomware attacks, virus infection, malware, human error, hardware failure, natural disasters, etc.
- **Storage optimization features** – Effectively use available server and storage resources to simplify management & improve Total Cost of Ownership (TCO).
- **Advanced Monitoring** – Monitor resource consumption in real-time and stay in control of your storage server and software.

## DATA PROTECTION FEATURES

StoneFusion integrates the following data protection features for your business-critical data:

### Immutable Snapshots

Configure delta-based snapshots for critical data, store snapshots on-premises and/or in the cloud, and go back in time to recover data in the event of a ransomware attack or any other disaster.

### Anti-ransomware

Automatically detect and remove threats like ransomware, virus, and malware before your data is maliciously encrypted.

### Write-Once Read-Many (WORM)

Store your data in immutable repositories that prevent deletion, overwriting, and editing for a set amount of time as defined by your storage administrator(s).

### Advanced Encryption

Leverage AES 256-bit encryption to secure your data at rest and protect data transfers with SSL/TLS tunneling.

## STORAGE OPTIMIZATION FEATURES

StoneFusion integrates following storage optimization features for your S3 object data:

### Deduplication

Remove redundant copies, reduce storage footprint and efficiently consume available storage space.

### Automated Storage Tiering

Set hardware and software performance and capacity tiers, define data transfer policies based on access frequency and usage, and automate data transfers between on-premises and cloud tiers for simplified management and effective storage usage.

### Thin Provisioning

Reclaim and repurpose unused storage space to quickly provision storage resources for new databases, applications, and projects.

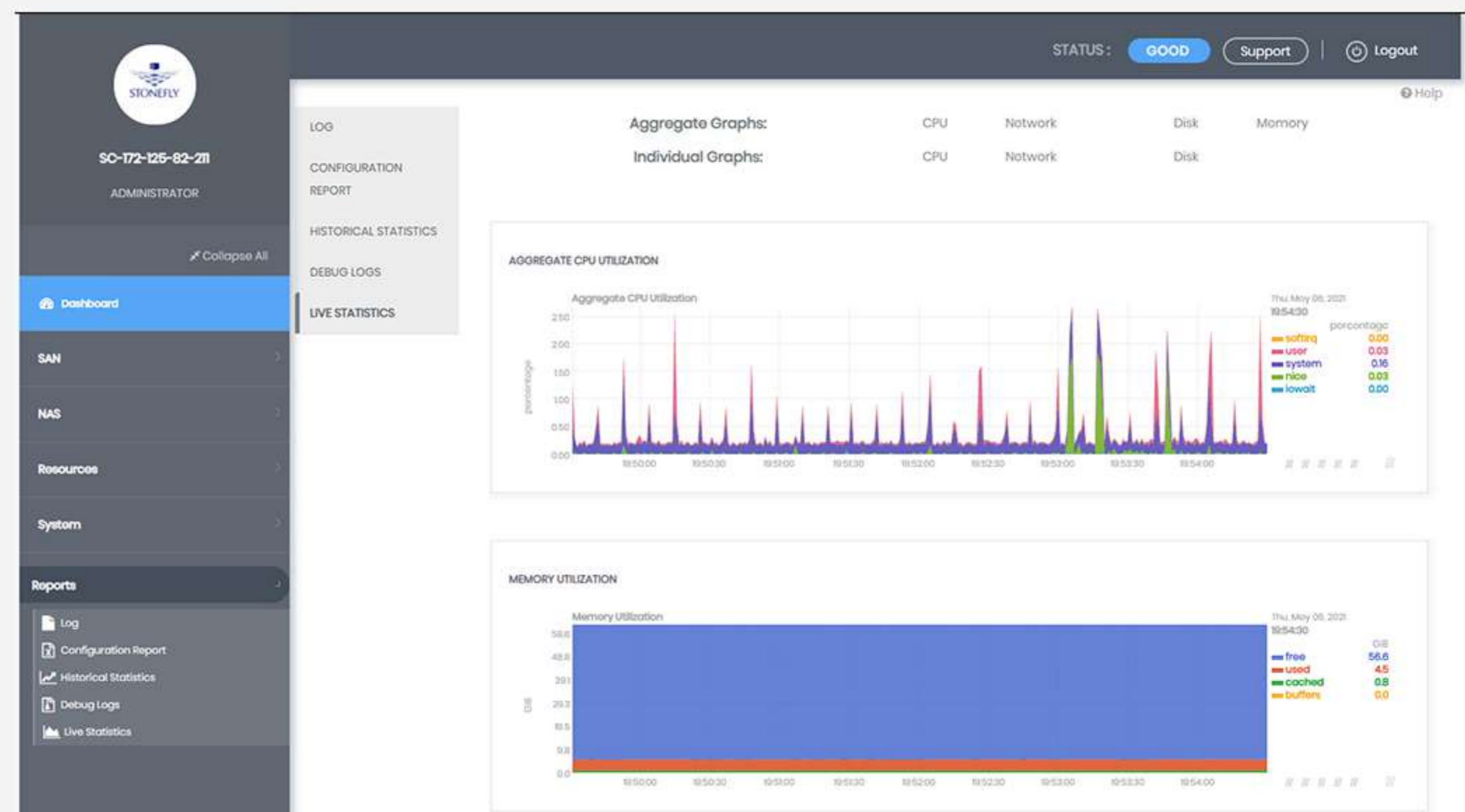
## Centralized Management

Manage multiple unified storage nodes, integrated cloud storage repositories and data services with a centralized management interface.

## ADVANCED MONITORING

The StoneFusion dashboard provides real-time graphical reporting for:

- Storage space usage
- System memory usage
- CPU usage
- System disk read/write activity
- Network & bandwidth utilization



StoneFusion Dashboard

## ADDITIONAL FEATURES

In addition to data protection, storage optimization, and advanced monitoring, StoneFusion also offers:

### Sync and Async Replication

Set up real-time or scheduled multi-site/multi-appliance replication jobs with automated failover and failback capability.

### Hybrid Storage

Integrate public/private cloud storage for long-term data storage and archiving in affordable capacity tiers.

## OPTIONAL ADVANCED FEATURES

The following data services are not included but available as optional upgrades:

- iSCSI Asynchronous Replication (One-to-Many & Many-to-One)
- Hardware-Enabled iSCSI Volume Encryption
- Fibre Channel SAN Target Bundle
- NAS/iSCSI Data Deduplication
- iSCSI Flash Cache SSD Caching
- Volume Shadow-Copy Service (VSS) Support

## GET 30-DAY FREE TRIAL WITH PREMIUM FEATURES

Experience the premium StoneFusion unified storage features by requesting a test drive for 30 days. Contact us today:

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