



Calamu Protect™

The Most Secure Storage for Backup

Backup Data Security Risk

Today's cyber attacks focus on compromising backup data along with encrypting workloads, because hackers understand that backups are the last line of defense for keeping businesses operational. This underscores the importance for backup systems to be always available and highly secure.

94% of ransomware attacks now target backup repositories

Calamu™ for Backup

Improve security and availability of backup data at a fraction of the traditional cost

Calamu integrates directly into your backup infrastructure using native S3-API object storage compatibility, enhancing security and availability of stored data at a fraction of the traditional cost and accomplishing the 2-1 (2 different media and 1 offsite) strategy in a single job.

Using Calamu in conjunction with software-defined backup solutions is the only answer for the alarming and increasing threat of backup data theft in the form of exfiltration. This solution proactively prevents bad actors gaining access to sensitive data which can be used in a second or third ransom attempt. Calamu detects suspicious anomalies in stored backups and then self-heals from them automatically, so you are always 100% restore-ready and can absorb a cyber attack with no ill-effect.



3-2-1-X

- ✓ Safe From Ransomware
- ✓ Safe From Data Theft
- ✓ Improves Availability
- ✓ Lowers Costs

Streamlines to Reduce Risk

Backup infrastructure is experiencing exponential growth as IT professionals realize the need to have many copies of their backup data and follow a 3-2-1 backup strategy (3 copies, 2 types of media, 1 offsite). Without taking steps to ensure backup copies are secure and available, it could introduce new vulnerabilities for cyber attackers to exploit.

Calamu™ for backup streamlines an organization's backup strategy by storing backups in a Safe Data Harbor to prevent excess copies of data, while still meeting industry best practices. Further, Calamu adds comprehensive security to stored data, resulting in 3-2-1-X.

83% of cyber attacks attempt data theft and exfiltration

Store Backups in a Safe Data Harbor

With Calamu, backup data is fragmented and scattered across multiple, physically separated cloud storage locations, creating a virtual environment known as a data harbor. Seamlessly and transparently, the data is then automatically reassembled, or reconstituted for use by the backup software. Patented technology ensures that even if privileged credentials are compromised, backup data will remain secure.

- ✓ Safe From Ransomware
- ✓ Safe From Data Theft
- ✓ 100% Resilient
- ✓ Lowers Costs
- ✓ Regulatory Compliant



Key Features:

- Enhance Ransomware protection for the entire backup chain
- Leverage the best object storage cloud providers to achieve security without high costs
- S3-API compatibility allows for a simple deployment
- Detect anomalies within the backup storage locations
- Self-heal compromised backups

Benefits:

- Lower your overall backup infrastructure and data recovery costs
- Enhance availability of your backups with a multi cloud strategy
- Set it and forget it security after a 30 minute configuration
- Integrate with existing backup repository scaling so your backup process has no impact
- Achieve accessibility of backups during an active cyber breach
- Improve cloud restore speeds using parallel processing across storage repositories
- Extend the benefits of air-gapping to significantly reduce the surface area vulnerability during a cyber attack

FAQ

How does this compare to immutable storage?

Calamu has the ability to enable "object locking" at the storage level and further prevents data theft and exfiltration. Calamu adds data security and performance benefits beyond what immutability itself enables.

How will this impact restore speeds?

Restore speeds are improved with patented parallel processing. Calamu enables air-gap like protection, but with cloud performance.

Does this aid in regulatory compliance?

Calamu simplifies compliance with regulations such as GDPR and CCPA through a concept known as jurisdiction independence. Calamu also supports legal hold options available using the preferred backup software.

