

PRODUCT BRIEF

FalconStor StorSafe™

The Age of Data-Centric Archive

StorSafe™ – Long-term, Persistent, Containerized Archival Storage to meet the expanding data preservation mandates, retention periods, and verified reinstatement needs

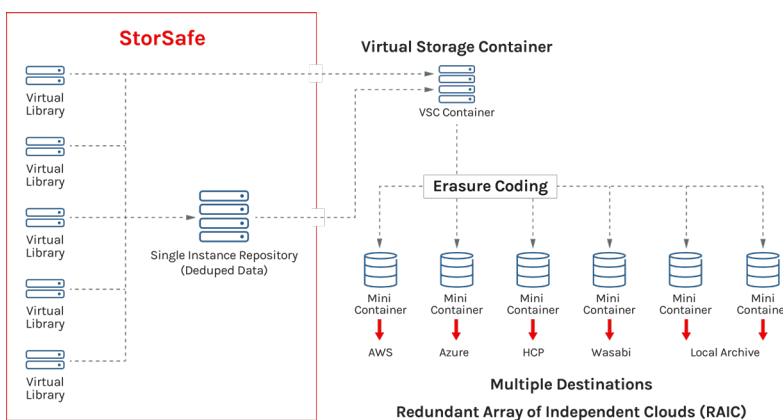
**AT A GLANCE**

FalconStor StorSafe™, with integrity check and journaled integrity validation, will allow you to gain the capability to operate across data centers, public, private, hybrid, and multi-cloud data storage environment(s). StorSafe™ delivers the ability to meet the chain of custody mandates that are inherent in long-term data retention periods that are subject to compliance, regulatory, legal discovery, and privacy laws.

- Persistent Virtual Storage Container (VSC)
- Erasure Coding for reduction of 75% of redundant data across on-premise/Clouds copies
- Redundant Array of Independent Clouds (RAICs) for robust redundancy, accelerated rebuilds, and enhanced disaster avoidance
- Variable payload container to optimize data by type and tier
- Execution capabilities for advanced container features
- Encryption, compression, and best-in-class deduplication
- Heterogeneous portability for seamless transfer of a container to storage systems or any S3 enabled cloud
- Extended Archival Retention and futureproofed for compatibility

Long-term Archival Storage is seeing double-digit growth over the last few years due to the explosion in information assets that are subject to new data retention mandates. From existing compliance, regulatory, and governance requirements to legal electronic discovery preservation to GDPR, all businesses are impacted by the compound exponential data archive growth. With retention periods stretching from 10 to 20 years to 50 to 100 years, long-term archival costs are at the forefront of everyone's mind.

StorSafe™ leverages the latest industry-standard software container technology that uses virtualization at the application layer versus the systems layer, allowing it to disaggregate data storage from the system-level components. The solution delivers a persistent, long-term data preservation container that is agnostic, heterogeneous, and highly portable, as well as backward compatible and compatible with future technology advancements. Leveraging the power of container technologies has also allowed the development of robust active and passive features and functionality that are necessary to meet the integrity, validation, and journal-based auditing requirements needed during extended retention periods in data centers and cloud environments



LONG-TERM ARCHIVE STORAGE CAPACITY REDUCTION DRIVES THE LOWEST COST

Delivering the best-in-class deduplication, compression, and new erasure coding-based container sharding reduces physical and virtual storage capacity, as well as significantly reduces cost for long-term mandated archives.

MULTI-CLOUD ARCHIVE STORAGE

StorSafe™ has the ability to use any cloud-based storage with best-in-class user-based security seamlessly. Leveraging the RAIC capability increases data accessibility, survivability, and redundancy to over ten (10) nines.

AUTOMATIC ARCHIVE INTEGRITY VALIDATION & JOURNALING IN THE CLOUD

Container data health inquiry, integrity check, and journaled validation log increase container survivability, identifies cyber threat activity, and provides detail data integrity journal to be used in compliance, regulatory, eDiscovery, intellectual property, GDPR, or other mission-critical data audits, reviews, or chain of custody inquiries.

DATA EGRESS FEE OPTIMIZATION

With the high cost of compliance audits, regulatory reviews, eDiscovery subpoenas, you should not be troubled in a troubled time with high egress fees that hold your data hostage and increase your audit, review, or subpoena costs even more. With erasure coding and a multi-cloud strategy, you can choose the four lowest cost vendors to minimize data egress fees and reinstate your data cost-efficiently.

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