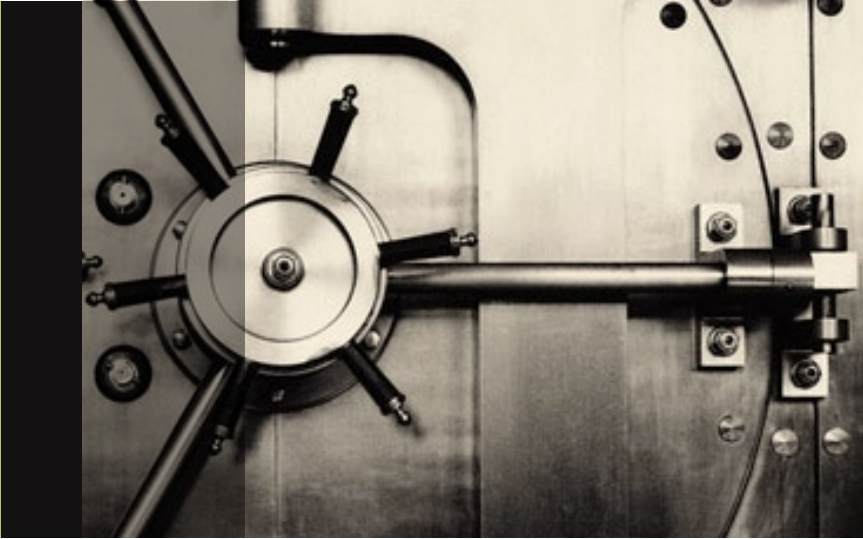


AxiomONE SecureWORMfs Software

Pillar Axiom Storage System



Highlights

Simplify – Enable an intuitive, easily deployed archive content storage infrastructure on Pillar Axiom system using AxiomONE SecureWORMfs license to securely store archive and compliance

Utilize – Application-Aware Storage™ capabilities within Pillar Axiom allows effective use of platform for both business applications and archived content storage without deploying special-purpose appliance solutions

Scale – Scale to billion of archive objects and 760TB per frame and not impact access to archive when required

Enabling Digital Lockdown

Good business practices and governmental regulation are driving growth in the amount and types of data that need unalterable storage in secure archives. Good business practices require long-term digital storage with guaranteed integrity of intellectual property, source code, and specified documents. Regulatory compliance initiatives require similar digital storage methods that guarantee document immutability for a pre-set retention period. Organizations seeking to comply with regulatory requirements need digital storage technologies that enable them to prove to auditors and other interested parties that such data cannot be and is not altered throughout the retention period. Modification or loss of archived data can result in expensive litigation or liability that can damage an organization's reputation.

Tape and optical media are proving unsuitable for these types of archive, which may need to remain available for immediate access. Tape is notoriously unreliable as an archive medium. Both tape and optical archive are complicated and cumbersome to manage, presenting slow restore times and difficulty locating specific files and content. Disk drives are much more reliable, but easy to alter.

Write Once, Read Many (WORM) technology for disk drives provides a software-based data "lockdown" mechanism that guarantees file integrity for long-term archive storage that also remains readily accessible to users. Through its AxiomONE SecureWORMfs software, Pillar Data Systems® enables a content storage system which delivers two levels of WORM capability for Pillar Axiom® NAS storage systems: Compliance and Standard.

In conjunction with content management and archiving applications, SecureWORMfs software allows organizations to establish policy-based, fixed-content archive solutions. It enables time-based retention of non-erasable, non-rewriteable storage for file-based data.

Capabilities Overview

- **Flexible, easy centralized policy management**
– Administrators can provision SecureWORMfs instances in 6 clicks and set them to grow automatically based on policies.
- **Complete security and data protection** – Generates digital fingerprints with each file or record to provide proof of immutability. This fingerprint is immediately verified per SEC 17a-4 regulations to guarantee that content is properly stored. In addition, data integrity scans verify content periodically to ensure no degradation in content.
- **Interoperability with third party applications**
– Through its XML application-programmable interface (API), SecureWORMfs interoperates with popular third party archiving and content management applications. Administrators can set and extend retention and compliance attributes with standard XML.
- **Auto-Protection Scan** – Alternatively, where application integration is not feasible, an auto-protection scan capability protects content with pre-set retention periods without requiring API interaction or implementation.
- **Reliability** – The highly available Axiom platform delivers built-in reliability with redundant components, no single point of failure, and rapid failover and recovery.
- **Scalability** – SecureWORMfs can store billions of objects, scalable to 760TB per system.
- **Performance** – The Axiom platform provides an excellent performance array system for business applications (e.g. Exchange) while concurrently delivering a robust storage archive content system, with efficient and fast content storage and utilization of archive space.
- **Ease of access** – Files are stored in native format, remaining accessible through standard CIFS and NFS protocols.

- **Utilization** – No longer is it a requirement to have a dedicated content storage system with single purpose. Pillar's Application-Aware storage platform allows customers to host SAN, NAS and fixed content on the same platform increasing the utilization of storage assets without impacting SLAs to business applications.
- **Disaster recovery** – AxiomONE Enhanced Data Protection can provide encrypted replication to remote SecureWORMfs storage to support disaster recovery plans.

AxiomONE SecureWORMfs Versions

AxiomONE SecureWORMfs software is available in two versions to meet a variety of archive and compliance requirements:

Compliance

SecureWORMfs Compliance edition is used to store critical business data stipulated by industry regulations such as Sarbanes-Oxley, HIPAA, the UK Data Protection Act, or SEC Rule 17-a4. Data is retained on the filesystem for a fixed period of time that is specified by file level retention settings and remains unalterable. While storing protected files with unexpired retention settings, SecureWORMfs Compliance enforces that no one can delete files in that storage space.

Standard

SecureWORMfs Standard is used to protect stored content that should be non-rewritable to comply with corporate governance initiatives. The SecureWORMfs filesystem retains data in an unalterable state for a fixed period of time specified by file-level retention settings; however, SecureWORMfs Standard allows an authorized storage administrator to reclaim storage space by allowing the deletion of the entire filesystem even if files have unexpired retention settings.

System Requirements

Pillar Axiom storage system with AxiomONE Software Release 2.0 or higher

