STORAGETEK®

LIFECYCLE FIXED CONTENT MANAGER™

100 SERIES SOLUTION

Key benefits

Compliance

Lifecycle Fixed Content Manager 100 Series solution complies with the strictest regulatory archive requirements. With its support of non-rewritable and non-erasable records, the system helps you securely protect your data from deletion until the expiration date is reached.

Open, standards-based architecture

Standard NFS and CIFS interfaces allow easy application integration and flexible deployment with off-the-shelf and custom e-mail archiving and content management applications.

Data coalescence

Lifecycle Fixed Content Manager 100 Series solution provides for data coalescence where only a single instance of a file or part of a file is stored in the repository. Data coalescence optimizes storage capacity and reduces storage costs by eliminating data redundancy.

Self-managing and self-healing

Easy addition and removal of servers, automatic data protection and automatic data migration minimize system administration and provide fault tolerance.

Data integrity checking

The system verifies that data is stored accurately as blocks are deposited. It continually scrubs the data with a background process that identifies and rectifies bad blocks.

Fast, disk-based access to archives

The Lifecycle Fixed Content Manager 100 Series solution provides fast access to archived records as compared to traditional archive media.

Secure, hashed-based naming

Lifecycle Fixed Content Manager 100 Series solution uses cryptographic hashes to fingerprint and manage stored content, and eliminate unwanted duplication of data. The SHA-256 hash algorithm, part of a family of federally-recommended security standards, is used in the system.

Enabling compliance

Increasing industry and government regulations today are driving more complexity into the storage environment. Thus, multiple data types (e-mails, instant messages, scanned images, account statements, audio and video files) and business documents need to be reliably, securely and cost-effectively archived. With regulations becoming more prescriptive about the types of data to be retained and the mechanisms for retaining them, regulators requirements are impacting the data center.

Formalized compliance initiatives are emerging that cut across organizational boundaries. Indeed, many organizations are creating a compliance office that reports to the executive level. Successful compliance initiatives within any organization will take into account not only the business impact of applicable regulations, but also verify that the technology meets the regulatory compliance challenges.

The introduction of legislation and regulations affecting how long different kinds of records must be saved, such as the Sarbanes-Oxley Act of 2002 (SOX), the Health Insurance Portability and Accountability Act (HIPAA) and the SEC 17a-4 regulations have significantly increased the importance of integrating, accessing, analyzing and storing information.

The regulatory environment is evolving rapidly, and international corporations need to deal with regulations at both a local and global level. Any technology solutions implemented need to be flexible and scalable so regulatory changes will be simple to implement at the technology level right across the organization.

Better way to archive data

The newest member of StorageTek's enterprise information lifecycle management (e-ILM) family portfolio of products, Lifecycle Fixed Content Manager™ is a solution for the long-term storage and preservation of critical corporate records that will help customers solve today's business information storage and management problems more cost-effectively.

Lifecycle Fixed Content Manager™ 100 Series solution transforms standard disk hardware into non-rewriteable, non-erasable storage, satisfying both best practices and the strictest government regulations for long-term record retention. With Lifecycle Fixed Content Manager, customers can be sure the data they store will never be altered or deleted during the record retention time..

Lifecycle Fixed Content Manager 100 Series solution is a disk-based WORM storage solution designed for long-term storage and preservation of archive data. The system provides advanced record-level retention management and guarantees the integrity of data.

A single Lifecycle Fixed Content Manager 100 Series solution can be configured for a combination of three file system types: Reference, Enterprise or Compliance.

- •• Reference file systems are read/write file systems and allow for stored records to be stored and modified.
- •• For stricter environments, Enterprise file system are read-only file systems where records cannot be modified. Only Super Users can delete the records in an Enterprise file system.
- •• For compliance data, Compliance file systems can be created. These are non-erasable read only or Write Once Read Many (WORM) file systems. WORM file systems provide for the archival of data that cannot be modified or deleted by anyone until the end of the record retention period.

How it works

Lifecycle Fixed Content Manager 100 Series solution assigns each block of data a unique content address based on its actual content. The system uses content addresses to distribute data evenly across storage servers in the system, providing load balancing for optimal use of resources. The system combines the benefits of content-addressed storage with widely used NFS and CIFS file system interfaces to provide, scalable and cost-effective magnetic, disk-based WORM storage for regulated and enterprise environments.

Advanced record retention

The Lifecycle Fixed Content Manager architecture supports record-level retention management by enforcing application-set retention policies for individual records. Protected records cannot be changed or deleted until their expiration date. If policy dictates, an expiration date can be extended (but not shortened). For example, a record can be put on hold for legal or regulatory review.
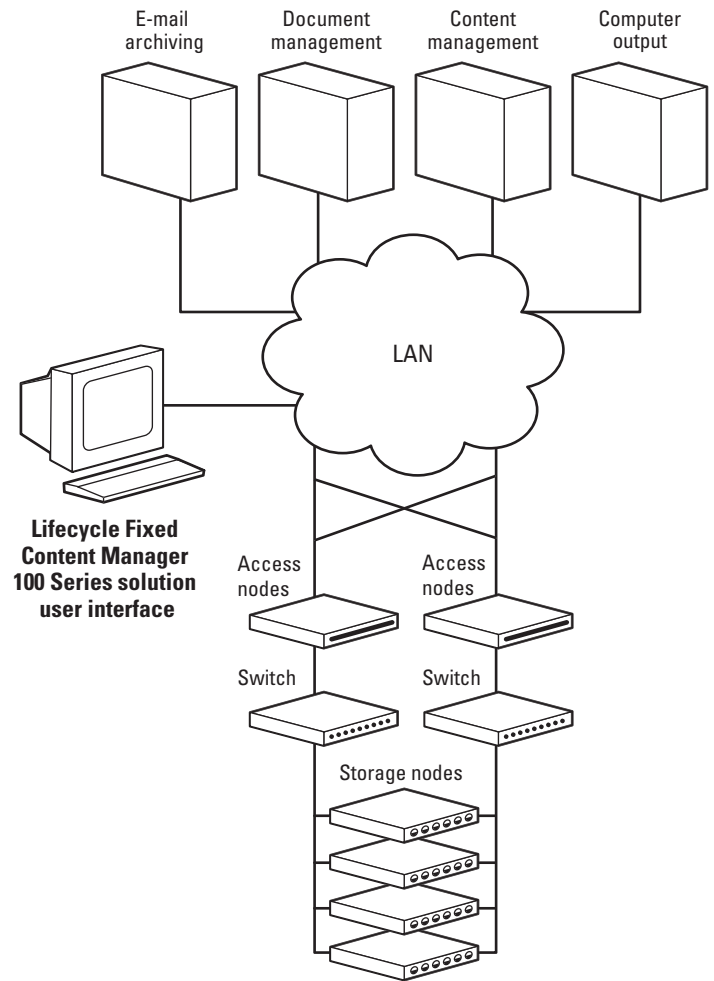
Grows as needed

StorageTek's Lifecycle Fixed Content Manager 100 Series solution is built to grow, and is designed to support large data volumes. Capacity can be rapidly added to the system as data volumes grow.

Let's get started

To learn how StorageTek® can help you solve your fixed content archive problems, please contact your nearest StorageTek representative.

Lifecycle Fixed Content Manager™ 100 Series solution reference vault option

The Lifecycle Fixed Content Manager 100 Series solution can support multiple applications data formats from a single system.