

EMC-Seven Ten Universal Access Archiving Solution

A high-performance, universal archiving solution that delivers superior IP, storage management technology, and implementation

The Big Picture

- Open systems, Windows-based, petabyte-level file system archive
- Unmatched scalability combined with unparalleled flexibility
- Supports storage from any vendor and all storage connectivity devices
- Consolidates disparate storage devices under a single file system management platform
- Provides real-time, online data migration from legacy storage devices such as tape or optical
- Tiered storage approach ensures that data is always accessible during the transition to new storage platforms
- Enables continuous data availability through asynchronous writes to multi-target storage subsystems, online or near line, 24x7 x forever (i.e., EMC CLARiiON as Tier I and EMC Centera as Tier II)
- Delivers an immediate return on investment—centralized management of terabytes of storage resources reduces the burden on IT staff
- Offers user-defined retention policy that increases the availability of valuable primary storage so that it may continue to be used for highly available transactional applications
- Ensures an efficient archiving environment that improves IT operations, guarantees quick data retrieval, and reclaims valuable disk space
- Lowers the total-cost-of-ownership by reducing operational and administrative costs with self-managing and self-healing content-addressed storage (CAS)
- Content cannot be overwritten or changed and is kept for a definable period of time, ensuring its authenticity and meeting regulatory requirements

Is your data scattered on different servers and storage devices making it impossible to find quickly? Are the costs of buying more and more expensive primary storage out of control? Are you dreaming of the day when you have universal access to all of your vital company data, whether your applications are bought, home-grown, or both? The wait is over. Now you can manage storage across multiple tiers with Seven Ten® Windows-based Petabyte File System™ software (StorFirst EAS) and EMC® Centera™ content-addressed storage (CAS). This high-performance, universal-access solution does it all by enabling you to support devices from any and all storage vendors; enjoy scalability and virtualization for all tiered archive environments, including multi-vendor configurations; and support all your storage network and storage connectivity devices.

By combining the power of StorFirst enterprise archival storage (EAS) software with EMC CAS technology, companies in the medical, science, financial, rich media, and document-imaging industries can take advantage of the benefits of EMC Centera simply and quickly—while providing maximum scalability. StorFirst EAS is the first file system software to provide multi-target, simultaneous writes to EMC Centera and secondary storage subsystems. This “built-in” disaster recovery ensures high data availability, security, and reliability because you can now proactively store data in multiple locations asynchronously.

EMC Centera content-addressed storage

EMC Centera is specifically designed and optimized for archiving, providing fast online access with petabyte scalability for all fixed-content assets. EMC Centera CAS greatly simplifies managing, sharing, and accessing archived data, enabling your business to maintain online information cost effectively and eliminating the need to put data on offline media or keep multiple backup copies.

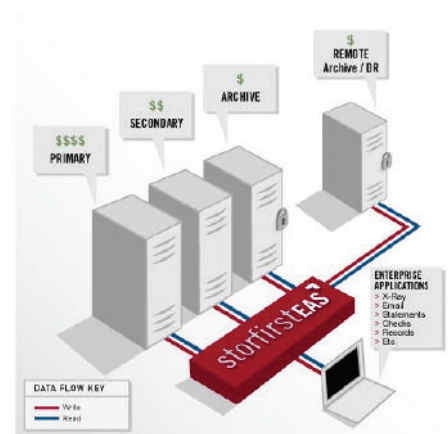
Using EMC Centera’s single-instancing, an object is stored only once, ensuring its authenticity, reducing consumption of valuable disk space, and keeping overhead management requirements and costs at a minimum. Users have real-time access to archived data across the network, which improves service levels and saves enormous amounts of time that would have been spent retrieving data from tape or optical devices.

EMC Centera offers massive scalability—as fixed content grows, there is no need to buy more primary storage or hire or assign more storage administrators. Because of EMC Centera’s self-managing, self-healing, and single-configuring features, it is estimated that one full-time person can manage hundreds of terabytes of EMC Centera storage.

Content addressing ensures that each record cannot be overwritten, while retention protection ensures that a record cannot be prematurely erased before the expiration of its retention period. Unlike any other media, EMC Centera can ensure the integrity of records throughout their lifecycles through an automated system of continuous data integrity checking as well as onsite and offsite protection mechanisms.

StorFirst EAS

StorFirst EAS universal archive file system management software supports all storage devices and networks. StorFirst EAS intelligently places data on appropriate storage devices transparently so that applications and users can access information whenever and wherever they want. Applications and users see all data as one large virtual volume. Through application-based data management, mission-critical content will reside on highly available, high-speed RAID arrays, while less-critical files are directed to utilize more cost-effective storage devices such as ATA, worm disk, tape libraries, and optical libraries. Data with high-level security requirements for long-term archive demands will automatically be sent to more reliable, secure, and indelible storage seamlessly to users and applications.



Administrators can set simple policy-based parameters within the software that reflect the environment and StorFirst EAS will automatically and intelligently redirect the content

from the applications to EMC Centera and other proper storage subsystems based on age, file size, file type, or any number of additional criteria. The bottom line—StorFirst EAS ensures that the data is always available from the most-efficient storage resource. The StorFirst technological advantage is its unique Petabyte File System structure which allows data management to take place at the point of origin enabling the utilization of all storage resources throughout the enterprise.

An implementation of StorFirst EAS will at once recognize and take advantage of any underutilized storage resources and provide relief to large and expensive RAID arrays that are wasted due to the proliferation of older files and static data that inevitably consume the bulk of IT resources. StorFirst ensures that highly available RAID configurations are used for data that is constantly changing while data less-frequently accessed resides in more long-term, cost-effective storage subsystems. And like EMC Centera, StorFirst will free up IT resources. With a centralized management utility, less effort is required to administer petabytes of data, freeing up your IT department to tackle other mission-critical projects.

About Seven Ten Storage Software, Inc.

Seven Ten Storage Software, Inc. is a leader in delivering intelligent data management software to the enterprise, providing automated policy-based information lifecycle management technology that enables organizations of all sizes to more cost-effectively ensure data availability, security, and reliability. Relying on an experienced management team, Seven Ten uses its strengths in innovation, software design, and customer relations to deliver proactive data storage solutions. With proven success in medical, financial, and compliance-driven markets, plus a customer base that includes many of today's Fortune 500 companies, Seven Ten is fast becoming one of the most trusted names in storage.

About EMC

EMC Corporation is the world leader in products, services, and solutions for information management and storage that help organizations extract the maximum value from their information, at the lowest total cost, across every point in the information lifecycle. Major customers include the world's largest banks and financial services firms, manufacturers, telecommunications providers, airlines, transportation companies, Internet providers, retailers, educational institutes, and regional and national government agencies.

Take the next step

This powerful joint solution ensures a universal archiving environment that delivers continuous high availability, provides infinite storage scalability, and maximizes and leverages all enterprise storage resources. To learn more about this value-packed solution, call your local EMC or Seven Ten representative or visit us on the Web at www.EMC.com or www.seventenstorage.com.



EMC Corporation
Hopkinton
Massachusetts
01748-9103
1-508-435-1000
In North America 1-866-464-7381

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Solution Overview
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