

# EMC DATA DOMAIN RETENTION LOCK SOFTWARE

## File locking and data shredding for archive storage

### ESSENTIALS

#### Enforced Retention for Archiving

- Easily implement file locking with deduplication to satisfy IT governance
- Files can be retained on disk in a non-rewriteable and non-erasable format
- DD Retention Lock can be enabled on a user-defined portion of the file system and data retention parameters can be set on a file-by-file basis
- Minimum and maximum retention periods can be set globally

#### Operational Flexibility

- Changing regulations and policies can be addressed quickly
- Administrator can override retention settings and adjust security settings
- One step process to commit file to be retained

#### Interoperability

- Uses industry standard NAS-based locking interfaces to ensure broad application interoperability
- Integrated with leading archiving applications, e.g., EMC, Symantec, and CommVault

#### Electronic Data Shredding

- DoD/NIST compliant file-level shredding
- Overwrites deleted data without complex setup or disruption

#### Data Integrity

- Continuous recovery verification, fault detection, and healing
- Dual disk parity RAID 6

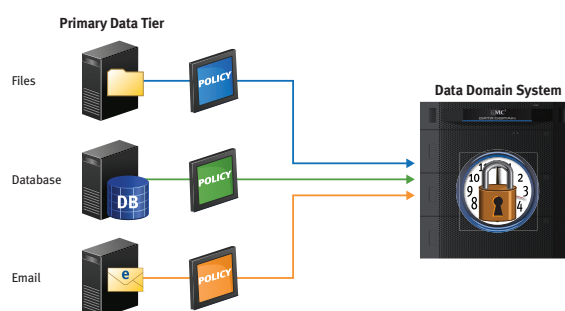
Business-critical data is the foundation for many parts of a company's operations, whether it is finance, sales and marketing, or engineering. Ensuring that these assets are protected and continue to be easily accessible is a key requirement for IT organizations. In addition, government regulations and internal IT governance policies require that critical business records, files, or email be retained and unaltered for specific periods of time. Implementing and enforcing these policies is an ongoing challenge for IT staffs across industries. By leveraging EMC® Data Domain® deduplication storage systems with DD Retention Lock software, IT organizations can leverage the benefits offered by the leading deduplication storage system with integrated data retention and data protection capabilities to efficiently run the enterprise on a day-to-day basis, at the optimal cost.

### ENFORCED RETENTION FOR ARCHIVING

DD Retention Lock software helps you comply with internal IT policies for information retention by making files non-rewriteable and non-erasable, ensuring that critical business information is available for a specified retention period, at which time the information can be deleted if necessary. The retention parameters can be set on a file-by-file basis, and minimum and maximum retention periods can be set globally.

### OPERATIONAL FLEXIBILITY

DD Retention Lock software combines the benefit of securing critical business information with other key features that ensure operational flexibility, so you can efficiently and securely manage your storage environment. DD Retention Lock software lets you modify the security attributes of critical data in order to adapt to changing security policies during the retention period. In addition, retention settings can be adjusted by administrators with appropriate privileges in order to comply with new regulations or retention policies that require that data be purged from the environment, if needed. When DD Retention Lock software is in use, empty directories can be renamed and new directories can be created on the system using Windows Explorer in Windows file serving environments.



#### EMC Data Domain Archiving for Enterprise Data

Archive data to an EMC Data Domain system using multiple policies. Use DD Retention Lock software to securely retain data and meet IT governance policies.

## INTEROPERABILITY

DD Retention Lock software leverages industry-standard management interfaces supported by other leading storage vendors. As a result, it can be used seamlessly with most archive applications and data management products, providing an end-to-end solution.

## ELECTRONIC DATA SHREDDING

Data Domain secure shredding functionality is the industry's first solution to enable in-place shredding for inline deduplication storage systems on a per-file basis. The system sanitizes data in its native, deduplicated state, avoiding the hassle and expense of setting up additional environments to extract and deduplicate it again or other complex procedures. Authorized administrators can surgically remove the content of deleted files from the deduplicated environment, ensuring complete overwrite using a DoD/NIST compliant algorithm and procedures. Government agencies and businesses using Data Domain systems can now eliminate confidential data that is accidentally written to an unapproved system or shred any content that is no longer required for internal or external purposes.

## STORAGE EFFICIENCY

Unlike traditional disk systems or tape, or other purpose-built solutions, Data Domain systems provide deduplicated self-protecting storage for a broad spectrum of applications. Data Domain inline deduplication technology can yield up to 80 percent space savings for long-term email and file archives, so enterprises can dramatically reduce the amount of required storage capacity, data center space, and power and cooling, lowering total cost of ownership (TCO) over the lifecycle of the data.

## INDUSTRY-LEADING DATA PROTECTION

Data Domain systems provide integrated, deduplicated snapshots for efficiently storing point-in-time versions of backup and archive data. In addition, customers can now enable DD Retention Lock on a portion of the file system defined by the user. This enables enterprises using the same Data Domain system for both backup and archive workloads to lock the archive portion of the system without impacting backup data. Data Domain systems can also efficiently replicate the data and data retention attributes to a secondary site, providing DR capabilities for the archived data. Data Domain systems deduplicate at a small, variable-length level, replicating only unique data and thereby minimizing the amount of bandwidth required. Customers can leverage slower and less costly network links for disaster recovery.

## ULTIMATE DATA INTEGRITY

The EMC Data Domain Data Invulnerability Architecture adds another layer of protection for retained data by continually validating the integrity of the data as it resides on disk for long periods of time. This process occurs automatically, without operator intervention. In addition, Data Domain systems incorporate RAID 6 functionality to ensure that data is preserved.

### CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at [www.EMC.com](http://www.EMC.com).

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