

## SOFTWARE

# SNAPLOCK® COMPLIANCE AND SNAPLOCK ENTERPRISE SOFTWARE

**Disk-based data-permanence solutions for regulated and reference data.**

### KEY FEATURES

#### **Fast Worm Storage on Magnetic Disk**

High-performance, nonrewritable, nonerasable disk storage protects data until a specified retention date.

#### **Open Solution Using Standard Protocols**

Leverages industry-standard CIFS and NFS protocols to support easy data access and application integration.

#### **Flexible and Robust Compliant Data Protection**

Supports fully compliant replication between WORM volumes on NetApp near-line and primary storage systems.

#### **Advanced Security Features**

Provides powerful authentication, access controls, access restrictions, transmission encryption, and audit logs to protect confidential data.

### THE CHALLENGE:

#### **Complying with Strict Records Retention and Performance Requirements**

Organizations today face increasingly strict records retention regulations that require the archiving of e-mails, documents, patient records, design files, audit information, and other data for years, often on WORM (write once, read many) media. In addition, companies are increasingly implementing rigorous best practices to ensure that unregulated but crucial reference data is not changed or deleted and can be quickly and easily retrieved.

In today's world, government and internal records requests frequently combine highly specific search criteria with tight response times, and failure to accurately retrieve the required unaltered records may result in significant financial or reputational damage. However, current WORM technologies based on optical disk and tape do not provide sufficiently rapid access, high reliability, or low total cost of ownership (TCO).

### THE SOLUTION:

#### **NetApp SnapLock Compliance and SnapLock Enterprise Software**

The NetApp SnapLock software product family delivers high performance and high-security data permanence to disk-based near-line and primary NetApp

storage. An integrated element of the proven NetApp Data ONTAP® operating system, SnapLock software helps ensure the permanence, accuracy, integrity, and security of data by enabling business records to be both unalterable and rapidly accessible online for long periods of time.

SnapLock is available in two versions:

- **SnapLock Compliance.** Enables organizations to satisfy strict records retention regulations such as SEC Rule 17a-4 (broker dealers), HIPAA (healthcare), Sarbanes-Oxley (public companies), 21CFR Part 11 (life sciences), and DOD 5015.2 (government). Only an act of willful destruction, such as physically removing disks from a NetApp system, can result in record deletion or alteration prior to the specified retention date.
- **SnapLock Enterprise.** Enables adherence to rigorous organizational best practices through functionality similar to that of SnapLock Compliance, but allows administrators to delete entire SnapLock Enterprise volumes. Under no circumstances is it possible for any SnapLock Enterprise user or administrator to delete or modify individual SnapLock Enterprise WORM records or undermine SnapLock Compliance WORM volumes.

**WORM AND SECURITY CAPABILITIES  
ENABLE REGULATORY COMPLIANCE  
AND BUSINESS BEST PRACTICES**

NetApp SnapLock enables you to comply with regulatory and best practices records retention requirements by allowing the creation of nonrewritable, nonerasable WORM volumes on NetApp NearStore® and FAS storage systems, thereby preventing critical files from being altered or deleted until a specified retention date.

SnapLock allows WORM data to be replicated securely and automatically between multiple NetApp NearStore and FAS systems using NetApp SnapMirror® software. WORM-to-WORM replication enables data at remote sites to fully comply with regulations or best practices, resulting in a highly robust WORM data protection solution. WORM data can also be backed up to tape for an additional level of data protection.

To ensure the security and confidentiality of data, NetApp NearStore and FAS systems support an advanced set of security features, including authentication (Kerberos, Active Directory, NTLM, NIS, LDAP), access controls (CIFS ACLs, NFS permissions), server or network-based access restrictions, transmission encryption (IPSec, SecureAdmin™ software option), and audit logs (CIFS logging).

**OPEN, STANDARDS-BASED SOLUTION  
FOR EASY INTEGRATION**

NetApp SnapLock supports open, industry-standard protocols such as NFS and CIFS, so it offers easy data access and application integration—as opposed to other regulated data solutions, which require each application vendor to write to a closed, proprietary API to store, retrieve, and search data. Consolidating storage on unified, rapidly scalable NetApp NearStore or FAS systems enables increased flexibility in preserving important data using archival and records management applications.

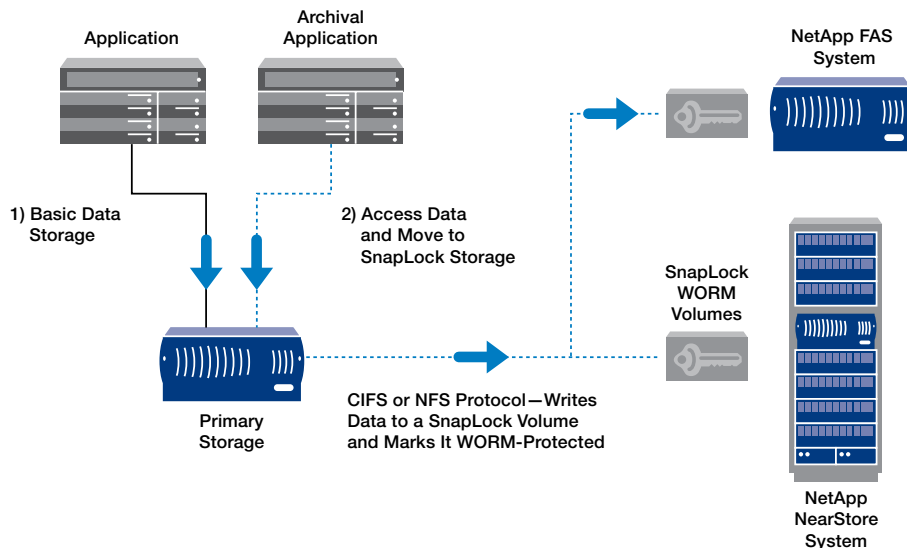
**MAXIMIZE ROI AND IMPROVE TCO**

Storing and accessing massive amounts of information on economical, high-capacity, and easily expandable NetApp unified storage solutions ensures the maximum return on your IT infrastructure investment. The same NearStore or FAS system that provides fast access to unalterable data using SnapLock can simultaneously be used for multiple purposes such as disk-to-disk backup, cross-platform replication, and primary storage.

The bottom line: Your organization is empowered to meet internal and external requirements for storing and accessing regulated and reference data while obtaining a highly flexible, high-performance, and cost-effective storage solution.

**ABOUT NETWORK APPLIANCE**

Network Appliance is a world leader in unified storage solutions for today's data intensive enterprise. Since its inception in 1992, Network Appliance has delivered technology, product, and partner firsts that simplify data management. Information about Network Appliance solutions and services is available at [www.netapp.com](http://www.netapp.com).



**Figure 1) Disk-based regulated and reference data management.**

This diagram illustrates how regulated and reference data are easily archived with a partner archival application via open, industry-standard protocols onto a SnapLock WORM volume.

