



**NetApp™**  
Go further, faster

Infrastructure Solutions

# Unify Archive and Compliance

Eliminate storage silos using  
our unified architecture



“While other platforms demand different software and processes for different tiers of storage, our unified architecture enables you to use just one set of software and processes across all tiers of NetApp storage.”

Archive and compliance are key topics on every company's information technology agenda. Traditionally, enterprises have approached these topics separately as distinct problems. Archive efforts are generally driven by IT administrators in their quest to lower storage costs and meet ever-tightening service-level agreements for constituents. Compliance efforts, in contrast, are most often driven by legal counsel or other business managers, for whom risk management and compliance are paramount. This separation of efforts has created a situation in which most archive and compliance solutions today are deployed as point solutions for point problems—one solution for Microsoft® e-mail, another for SAP®, another for file archive, and another for a niche compliance initiative.

Deploying different point solutions creates information silos and can generate new challenges. What happens when you need to migrate data and the system cannot act seamlessly with the rest of the infrastructure? How do you seamlessly back up and support disaster recovery

for the archives? How long does it take to recover your data? How can you classify and search all data when it is stored in incompatible silos? How can you manage all the disparate systems and processes and keep IT head-count in control? However expedient it may be to add a point solution, adding solutions that address single pain points often adds cost and compounds complexity, creating new pain points and posing even more difficult challenges. This is especially true for complex archive applications with unique architecture requirements.

#### **THE ANTIDOTE TO COMPLEXITY**

What if you could implement a single solution architecture that would satisfy your operational demands for archiving while providing the capabilities that would help make sure your management of e-mail, file, enterprise applications, and ECM data meet all internal and external compliance requirements? With NetApp storage solutions, you can. NetApp solutions work together to leverage your current investments and help you simplify your storage architecture.

#### **UNIFYING YOUR STORAGE ARCHITECTURE**

To help you maximize the impact of every IT investment you make, we base our systems on a unified architecture. Not only are all systems in our FAS and NearStore® product lines fully compatible with NetApp's management software, they also offer simultaneous support for Fibre Channel SAN, iSCSI, and network-attached storage (NAS). So while other platforms demand different software and processes for different tiers of storage, our unified architecture allows you to use just one set of software and processes across all tiers of NetApp storage.

#### **Flexible for greater efficiency and lower cost**

Other vendors require that you buy separate systems if you need primary and secondary storage. Once you do this, you must make a choice: do you configure your secondary storage for archive, or do you configure it for compliance? If you require both, you will need to buy multiple systems.

What sets us apart from other vendors is that all systems in our FAS series can

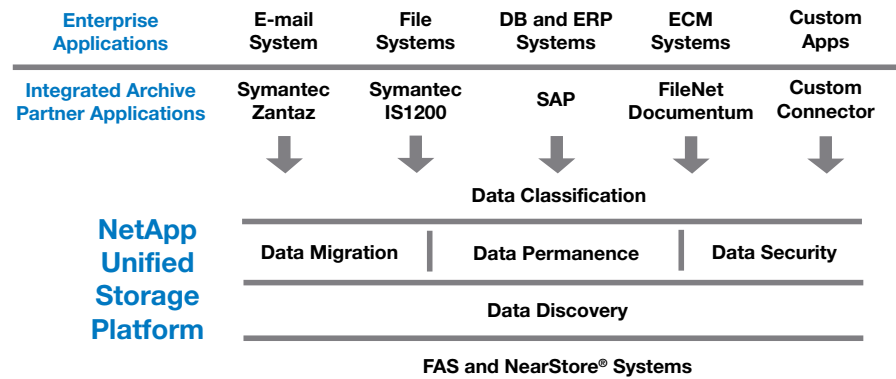


Figure 1) NetApp archive and compliance architecture.

be used for any combination of primary and secondary storage. This means that your secondary storage can have the performance characteristics of your primary storage, and you can manage it all with the same software, processes, and skill sets. So when you need to consolidate storage for Microsoft, Oracle®, and SAP enterprise applications, you can do it within a single NetApp system. We also go one step further by enabling you to combine archive and compliance capabilities on the same system—the ultimate in flexibility.

**Scalable for investment protection**

You can easily upgrade any FAS system in the portfolio from the lowest- to the highest-end system without the need to migrate your data. For example, you can start with just a couple of terabytes of capacity and easily scale to up to half a petabyte or any point in between, without having to migrate your data and without causing any downtime.

**Advanced protection for peace of mind**

The Data ONTAP® operating system with RAID-DP™ technology provides exceptional data protection at the disk level—with minimal impact to read and write speeds—even in the event of a double disk failure.

For full system backups and disaster recovery, integrated solutions built on Snapshot™, SnapVault®, and SnapMirror® give you a very simple and efficient data protection architecture for this critical data. Together, these technologies provide the most efficient, flexible, and cost-effective storage and data protection available.

**Future-proof for long-term retention**

Our open-standards approach provides the following assurances: you can easily integrate new archive applications into your existing NetApp architecture, your data will always be accessible in its native format, and your existing access controls and encryption will continue to provide dependable security, even as the threats to that security may change.

As you build your foundation for archive and compliance, you will need to add capabilities for data classification and discovery, data migration, data permanence, and data security. More importantly, you need the flexibility to add capabilities as your retention policies and operations change. You can easily incorporate our best-of-breed products for each of these capabilities into your NetApp archive solution.

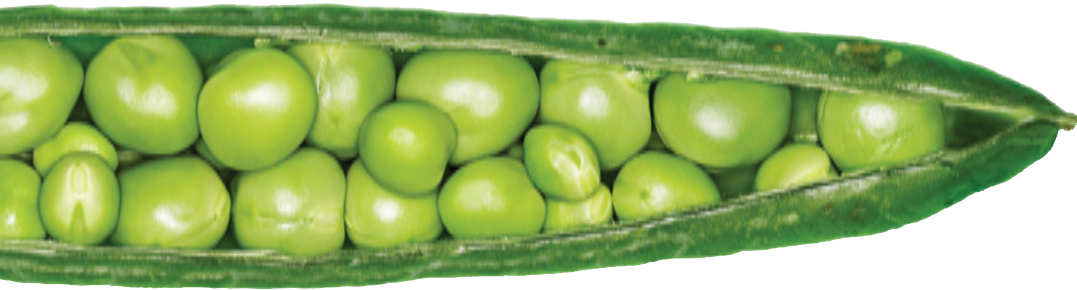
**DATA CLASSIFICATION, DISCOVERY, AND MIGRATION**

Unmanaged information is unmanaged risk. The Information Server 1200 (IS1200) is an invaluable tool for understanding your universe of data and mitigating litigation and compliance risks associated with data discovery. And by enabling you to see and control all the files and e-mails scattered across your networks, the IS1200 can also help you improve efficiency within your storage infrastructure.

Advanced assessment capabilities include:

- Indexing unstructured data for efficient management of storage tiers
- Searching to enable targeted file retrieval
- Classification to better group data for collective action

The IS1200 classifies files and applies policies to automatically move the right file to the right archive. You can ensure the most cost-effective use of your primary storage by moving files to secondary storage.



#### **DATA PERMANENCE**

You can safeguard your data using NetApp SnapLock® on disk-based, near-line, and primary NetApp storage. SnapLock enables fast write once, read many (WORM) capability on magnetic disks for nonrewritable, nonerasable storage until a specified deletion date. With SnapLock, you can protect your archive from inadvertent or malicious alteration or destruction of your data. This capability is fully integrated into the data management application, so you get both high performance and storage efficiency. To help you extend this solution into data protection, LockVault™ mitigates compliance risk by making backups compliant and delivering fast data access and recovery. In addition to creating compliant versions of your enterprise data, LockVault creates a compliance journal that tracks changes among sequential backup versions.

#### **DATA SECURITY**

NetApp DataFort—the industry's most scalable encryption appliance—provides wire-speed encryption and compression throughput for your critical enterprise data, giving you maximum security and privacy for your data. It provides a uniform layer of

security and key management across your different storage environments. Because it requires no changes to applications, storage systems, or workflow, NetApp DataFort can be deployed anywhere in your architecture without disruption to other software or ongoing processes. The NetApp Lifetime Key Management™ system securely automates archiving and recovery of encryption keys across your enterprise so that your data is secure and available, regardless of where or how long it is stored.

#### **INTEGRATED APPLICATION SOLUTIONS**

For companies experiencing unmitigated data growth and mounting compliance challenges, NetApp offers archive solutions for your most critical business applications. Because of our open standards approach, we are able to partner with most archival application vendors and even integrate directly into select applications. You'll be amazed at the ease with which you can quickly integrate and upgrade with our solutions. Our archive solutions give you control over your enterprise data and help you manage your data more efficiently while enabling compliance with internal and external standards.

#### **NETAPP E-MAIL ARCHIVE SOLUTIONS**

Implementing an e-mail archive solution is one of today's top business priorities. With our e-mail archive solutions you can seamlessly and transparently migrate data from the primary to secondary storage tier, based on your defined policies. We also improve your ability to meet compliance and e-discovery mandates. To further support enterprise e-mail systems from Microsoft and IBM-Lotus, we also integrate our e-mail archive solutions with applications from best-of-breed partners, including Symantec and ZANTAZ.

#### **NETAPP FILE ARCHIVE SOLUTIONS**

To help you drive down the costs of storage and data management, our file archive solutions help you gain visibility into your data so you can take advantage of a tiered-storage architecture. Our file archive solutions also help you find information hidden away in spreadsheets, presentations, and other documents by enabling the cost-effective and speedy searching of your primary storage and archives.

### **NETAPP SAP ARCHIVE SOLUTIONS**

With our SAP archive solutions, you can reduce the number of files to store and manage to relieve scalability issues and increase data management efficiency. Our SAP archive solutions also boost user productivity by improving SAP performance and speeding backup times. As with all our archive solutions, we enable you to meet regulatory and internal compliance mandates and easily access your archived data and supporting documents when you need them. Our SAP archival and compliance solutions support the WebDav for SAP Data Archiving interface and are integrated with leading SAP archival solutions, including FileNet: Application Connector for SAP (ACSAP) and Open Text (IXOS): Livelink ECM Data Archiving for SAP.

### **NETAPP ECM STORAGE SOLUTIONS**

Our ECM solutions help you prevent data tampering and improper deletion to support compliance efforts and provide privacy protection for your sensitive data. To help your people be as productive as possible, we tightly integrate our ECM solutions with FileNet and EMC Documentum to facilitate implementation and help improve performance. Our ECM solutions provide fast, reliable, and affordable storage for terabytes of documents and fixed content.

### **GETTING STARTED**

If you think the time is right for you to implement a unified solution architecture for archive and compliance, our Data Assessment Service can help you get started. Using our proven best-practices methodology, our Global Services team will work with you to gain visibility of your information and to index and classify your files for future policy-based management. After developing an understanding of your unstructured data, we will provide reports and recommendations for managing risk, reducing storage costs, and improving the efficiency of your storage asset utilization.

### **FOR MORE INFORMATION**

NetApp has a variety of resources to help you learn more about NetApp capabilities in archive and compliance. The following white papers are good places to start:

- “Architectural Considerations for Archive and Compliance Solutions” outlines the considerations for implementing a storage infrastructure for archive and compliance.
- “Building a Future-Proof Archive and Compliance Infrastructure: An Assessment Guide and Request-for-Proposal Checklist” will help you develop a sound RFP, the first step in meeting your storage needs.

We also offer a complete reference library concerning our archive and compliance infrastructure (see table on page 6).

<b>CAPABILITY</b>	<b>NETAPP PRODUCT/SOLUTION</b>	<b>REFERENCE</b>
<b>Core Systems</b>	FAS and NearStore Series	FAS and NearStore data sheets
<b>Data Classification, Migration, and Discovery</b>	IS1200	IS1200 data sheet
<b>Data Permanence</b>	SnapLock and LockVault	SnapLock Compliance and SnapLock Enterprise data sheets  LockVault data sheet
<b>Data Security</b>	NetApp DataFort  NetApp Lifetime Key Management	NetApp DataFort data sheets  NetApp Lifetime Key Management data sheet
<b>E-Mail Archive Solution</b>		E-mail archive solution brief  Symantec® Enterprise Vault™ data sheet  ZANTAZ partner brochure
<b>File Archive Solution</b>		File archive solution brief
<b>ECM</b>		FileNet partner brochure  Documentum partner brochure
<b>SAP Archive Solution</b>		SAP archive solution brief

NetApp creates innovative storage and data management solutions that help you accelerate business breakthroughs and achieve outstanding cost efficiency. Discover our passion for helping companies around the world go further, faster at NetApp.com.

© 2008 NetApp. All rights reserved. Specifications subject to change without notice. NetApp, the NetApp logo, Go further faster, Data ONTAP, FlexClone, and SnapManager are trademarks or registered trademarks of NetApp, Inc. in the United States and/or other countries. Linux is a registered trademark of Linus Torvalds. Windows is a registered trademark of Microsoft Corporation. UNIX is a registered trademark of The Open Group. SAP and NetWeaver are registered trademarks of SAP AG. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such.  
DS-2598-0308



www.netapp.com