

IMPROVE STORAGE EFFICIENCY

EMC Cloud Tiering Appliance and EMC Data Domain deduplication storage systems

ESSENTIALS

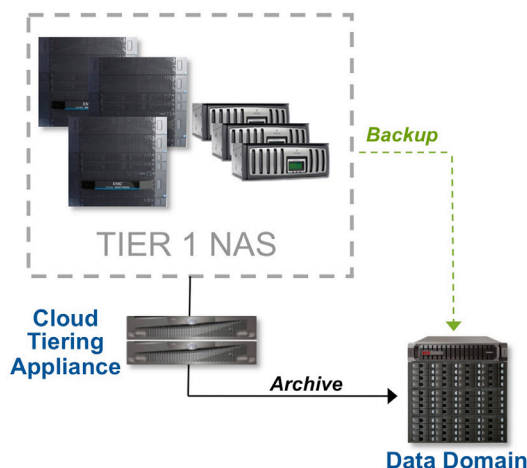
- Archive inactive information without disruption
- Manage explosive data growth by reclaiming primary storage capacity
- Improve backup and recovery times by removing inactive data from the process
- Consolidate backup and archive in a single system
- Deduplicate backup and archive data

FILE ARCHIVING TO OPTIMIZE PRIMARY STORAGE

Rapid growth of unstructured data not only drives up an organization's capital expenditures, but also results in inefficiencies and disruption to business operations. Many organizations report that, on average, more than two-thirds of their data has not been accessed in at least 90 days.

Moving inactive or infrequently accessed information to archive storage frees up primary storage capacity, resulting in lower TCO and improved IT productivity. Archived files are protected with features built into the archive storage system, such as file retention, yet can easily be recalled should they become needed. Benefits include:

- Lower overall storage costs
- Faster backup and recovery
- Reduced management complexity and overhead



An archiving strategy based on EMC Cloud Tiering Appliance and EMC Data Domain deduplication storage enables organizations to move data to the appropriate storage tier based on its value throughout its lifecycle.

EMC DATA DOMAIN DEDUPLICATION STORAGE SYSTEMS

With EMC® Data Domain® deduplication storage systems you can cost-effectively archive your non-changing data while keeping it online for fast, reliable access and recovery. This allows you to free up expensive Tier 1 storage to significantly improve operational efficiency and control costs.

Data Domain systems provide a capacity-optimized storage tier for consolidated protection of backup and archive data in a single system. Data Domain Archiver, the industry's first system for long-term retention of backup and archive data, extends the Data Domain architecture with an internal tiering approach designed to enable cost-effective long-term retention of data on deduplicated disk. Data Domain systems offer network-efficient replication, inline deduplication, and continuous fault detection and self healing, via the EMC Data Domain Data Invulnerability Architecture, for extended on-site and off-site retention and reliable recovery.

EMC Data Domain Retention Lock software enables you to easily implement deduplication with file locking to satisfy IT governance and compliance policies for active archive protection. Critical business information is available until a specified retention date, at which time the data can be deleted if necessary.

EMC CLOUD TIERING APPLIANCE

Architected with a robust policy engine, Cloud Tiering Appliance automates file tiering and archiving, providing transparent data movement on a per-file basis from primary storage (EMC® VNX™, EMC® Celerra®, and NetApp) to other EMC storage and to 3rd party platforms including service provider clouds.

Cloud Tiering Appliance makes implementing your archive strategy easy:

1. Create policies through GUI wizards or the command-line interface
2. Preview the potential impact of a policy before moving data
3. Schedule policies to run immediately or at regular intervals
4. Cloud Tiering Appliance automatically move files to designated storage

The entire process is completely transparent to end users; clients and applications will see the archived files as though they haven't moved.

NON-INTRUSIVE DEPLOYMENT

Cloud Tiering Appliance and Data Domain systems offer seamless integration into your existing infrastructure. Cloud Tiering Appliance is integrated with EMC VNX FileMover and third-party storage platform APIs, so native functionality and existing processes can be maintained, providing a transparent experience for the storage administrator. Data Domain systems support simultaneous use of VTL, NAS, NDMP, and EMC Data Domain Boost for simple integration into existing environments.

IT'S TIME TO CONSIDER A BETTER SOLUTION

EMC Cloud Tiering Appliance provides enterprise-class, automated file tiering to simplify file storage management. EMC Data Domain deduplication storage systems provide a single platform for backup and archive, significantly reduce storage requirements, provide network-efficient replication and ensure data integrity. In addition to unmatched performance and value in this combined solution, you require only one vendor to install and support your complete information management infrastructure.

If you're wondering whether your organization is ready to implement tiered storage, consider the following questions:

- Are you looking to reduce the cost of Tier 1 or primary storage?
- Are you meeting your backup windows?
- Can you meet, or would you like to lower, your recovery-time objectives?
- Have you experienced server outages as a result of running out of disk space?
- How much of your staff's time is spent managing available disk capacity?

CONTACT US

To learn more about Cloud Tiering Appliance and Data Domain systems, visit www.EMC.com or call **800.607.9546** (outside the U.S.: +1.925.600.5802).

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