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Access more data— longer, for less

HPE StoreEver Archive Manager and HPE StoreEver Archive Migrator

Combining the accessibility of flash with the economics, scalability, and long-term retention of tape

Solution highlights

- **Efficient**
  Save time with direct and seamless access to archive data

- **Economic**
  Reduce your costs with lowest TCO for long-term data retention

- **Secure**
  Lower your risk with secure and dependable data availability

- **Scalable**
  Manage data growth with non-disruptive, scale-out performance and capacity

- **Simple**
  Easily identify and migrate inactive data to archive storage automatically and based on policy

The data dilemma

80 percent of your data is rarely or never accessed after 90 days of creation. However, the business value of much of this data means it still has to be retained and readily available over extended lengths of time.

Imagine the efficiencies and risk reduction you could achieve by moving this static data from your Tier 1 production environment to an intelligent archive enhanced for easy access, low cost, and reliable long-term retention.

Primary storage budgets go further, performance improves, retention requirements are addressed, and new analytical doors are opened.

Hewlett Packard Enterprise can help.

The Hewlett Packard Enterprise solution

HPE StoreEver Archive solutions balance the widening gap between exploding storage and flat budgets. Policy-based file management enables you to remove inactive data from your more expensive primary storage and backup cycles—onto an accessible, cost-effective and self-protecting storage tier.

As a result, you benefit from an effective archive workflow that not only enables business growth by making data more accessible for a longer term, but also reduces storage costs.

HPE StoreEver Archive Manager creates an intelligent archive by combining the accessibility of flash with the reliability and low cost of tape.

It does this by presenting HPE StoreEver tape libraries as a standard network share or mount point using Windows® or Linux® file-sharing protocols through a flash buffer front end. Users can easily save, search, and retrieve data directly from the HPE StoreEver archive.

HPE StoreEver Archive Migrator lets you easily identify and migrate inactive data from your primary storage to StoreEver Archive Manager—automatically and based on policy. You can maintain transparent access to your data, even after it has been archived.

Here's how it works

Data is moved or migrated—manually or automatically via StoreEver Archive Migrator—to the StoreEver Archive Manager flash buffer, and written to StoreEver LTO tape using LTFS.

Most recently accessed or written files remain in the flash buffer until the buffer is full, at which point the oldest files are reduced to metadata only.

File searches continue to see all files archived and only when a read request is received are files moved back from tape to the disk buffer and on to the user.

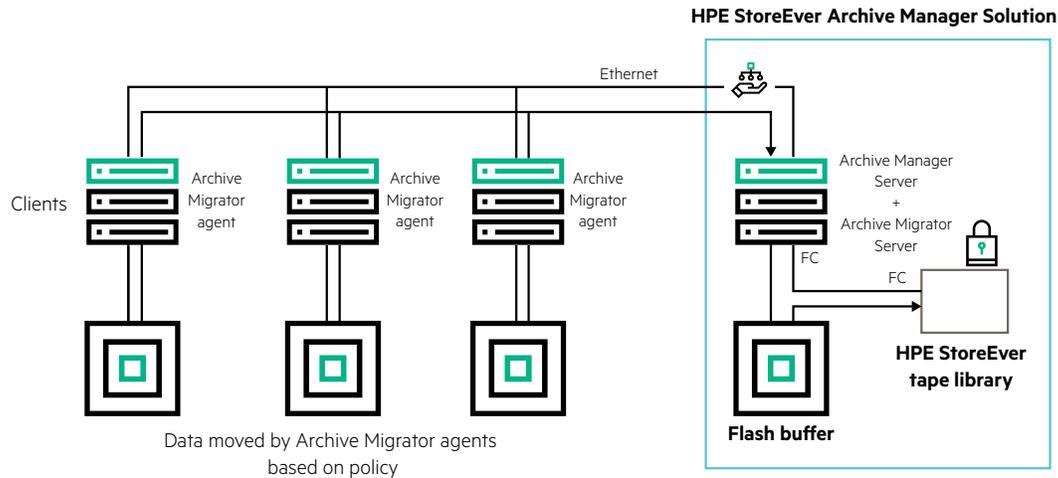**HPE StoreEver Archive Manager Solution**

Figure 1: Intelligent archive workflow with HPE StoreEver Archive Manager and HPE StoreEver Archive Migrator

Offering the features and functions you need

Save time with direct and seamless access to archive data.

- Users and applications can directly access archived files. No tape media management is required as media is self-allocated

- Data is stored and accessed from standard subdirectories available through Explorer. Archive files are directly available to existing applications and file system utilities

- Access to archive data and file searches no longer requires proprietary backup applications

- Store data in the Linear Tape File System (LTFS) open standard, supporting data transportability and long-term data accessibility

[1] The Clipper Group Inc., "The Impact of LTO-7 on The TCO of Long-Term Storage", September 2015

[2] Fully populated ESL G3 library with LTO-7 compressed capacity media

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Always keep your data protected and available.

- Integrated HPE StoreEver Data Verification Software verifies that business-critical data stored on your tape media is accessible throughout its lifecycle

- Media-copy automatically creates a duplicate copy of selected archive volumes for offline and offsite storage

- Replication software creates greater system resilience and higher data availability—data always exists in two or more places

- Lightweight, rugged, and encryptable HPE tape cartridges are easily and securely transported off site

- Data on HPE StoreEver tape can be held off-line for up to 30 years or more—safe from threats such as cyber-attacks, data corruption, and natural disasters

Reduce your costs with lowest TCO for long-term data retention.

- HPE StoreEver Tape offers one of the lowest costs per terabyte for any type of storage, particularly when you factor in energy and footprint costs

- Disk storage is six times the average TCO of tape for long-term retention[1]

Grow effortlessly.

- Adding capacity is simply a case of adding more tape cartridges to an HPE StoreEver tape library

- The HPE StoreEver MSL6480 mid-range tape library sets the industry benchmark for scale-out performance and capacity, and the HPE StoreEver ESL G3 enterprise tape library can store up to 180 PB in a single system[2]

In summary

HPE StoreEver Archive Manager and HPE StoreEver Archive Migrator combine the access benefits of flash with the economics and long-term retention benefits of tape.

Now you can keep more data longer affordably, and in a way that keeps the data accessible to your business line owners.

This comprehensive, tiered, and converged intelligent archive workflow—spanning software, flash, and tape—can help you save time and money, and reduce risk.

Learn more at
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