Hewlett Packard Enterprise

Retain your data on all-flash storage

HPE 3PAR File Persona Software Suite with leading archive applications

Data retention on HPE 3PAR StoreServ with HPE 3PAR File Persona Software Suite

HPE 3PAR StoreServ Storage has the ability to host workload-centric storage personas directly on a multi-controller architecture with hardware-accelerated data compaction—delivering a high-performance, low-cost, tier-1 storage platform to address a spectrum of workload needs and data types.

Unlike first-generation unified devices, truly converged HPE 3PAR StoreServ Storage does not create inflexible capacity pools between block and file or require you to run workloads that are best served by block over file. Instead, you get a platform that is both flash-optimized and built from the ground up to leverage a single, converged capacity for block volumes and file shares with lower total cost of storage[1] while offering uncompromising availability.

You can now deploy your primary workloads on performance-enhanced block volumes and your data preservation on capacity-enhanced file shares that offer lower cost storage media such as nearline drives within the HPE 3PAR StoreServ array.

One of the offerings within the HPE 3PAR File Persona Software Suite is File Lock for retention and WORM, which can be configured and managed at virtual file system (VFS) or file store level. With this feature, you are protected against accidental, premature, or malicious deletion and modification of data. It also provides data retention for any period as required by legal statute or internal policy within your IT department.

The enterprise information archiving challenge

Data growth on the scale of zettabytes is not only alarming but also significantly challenges IT due to the strategic nature of information management. With most growth coming from unstructured data, managing and accessing information become a nightmare. While storage footprint explodes and drives up the total cost of ownership, organizations cannot address this growth by just adding capacity and resources. With more resource consumption and throttling performance, IT now has to trade-off service levels and response times.

Think about typical data sources contributing to this data flood—emails constantly subject to scrutiny and analysis, workforce collaboration farms growing uncontrollably, and social media impact on data casting doubt.

What if you could automate the process of managing data across these various repositories to govern data proactively? What if you could save on storage costs by migrating older data to capacity-enhanced file shares while running your primary workloads on the same storage array? Better still, what if you could reduce your storage footprint by running your primary workloads and preserving data from those workloads on the same storage platform?

Together with leading enterprise information archiving solutions from Commvault and Veritas, HPE 3PAR StoreServ with HPE 3PAR File Persona Software Suite enables data preservation adjacent to primary workloads.

Save on storage costs by running primary workloads on performance-enhanced block volumes while retaining data generated by these workloads on capacity-enhanced file shares.

Enterprise information archive and HPE 3PAR StoreServ with HPE 3PAR File Persona

Not all data in your business carries a lot of value for your operations and for compliance purposes. You need to make sure you're archiving only the data that has value for your business by classifying your data across multiple repositories.

Many organizations don't have indexing and classification to hold just the data that's relevant. They end up holding everything, which in turn drives up storage costs and storage inefficiencies.
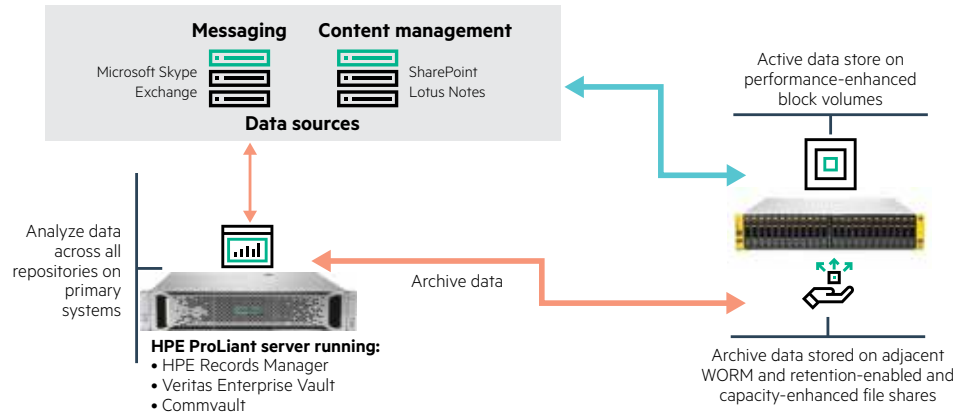
For example, you may be running Microsoft® Exchange or Microsoft SharePoint on your HPE 3PAR StoreServ performance-enhanced block volumes. The emails generated from Microsoft Exchange and data generated from Microsoft SharePoint are preserved on the HPE 3PAR StoreServ capacity-enhanced file shares. Enterprise information archive applications such as Commvault software and Veritas Enterprise Vault running on HPE ProLiant servers can analyze data from both Exchange and SharePoint repositories on HPE 3PAR StoreServ. They can also access the archives on the file shares.

[1] HPE internal analysis compared to EMC VNX, April 2016

With this approach, you not only reduce cost and complexity but also deliver consistent data protection and retention. What's more, you can simplify governance and management. Here's how:

- Reduce cost and complexity with:
  - Searches across all centrally stored content
  - Predictable storage levels
  - Shrinking storage footprint
- Deliver consistent data protection and retention with:
  - Automatic migration of information to an archive
  - Role-based access to secure protected data and identify, collect, preserve, and review information for relevance
  - Consistent data protection for inactive unstructured data with flat backup and restore using HPE 3PAR StoreServ and HPE Recovery Manager Central (RMC)
- Simplify governance and management with:
  - HPE eDiscovery and compliance searches running across all centrally stored content
  - Flexible on-premises, cloud, or hybrid deployment options
  - Reduced administrative overhead through simplified management and provisioning with HPE 3PAR StoreServ Management Console (SSMC)

Figure 1. Enterprise information archive architecture with HPE 3PAR StoreServ File Persona and archive solutions

Veritas

The Veritas Enterprise Vault policy engine uses classification and other variables to determine how long information should be kept in the archive. It has also been designed to have a very small archiving footprint (for example, the index size at its most data-intensive setting is only 12 percent of the original document).

Commvault

Commvault's content-based approach lets you define and fully automate retention, disposition, search, and more based on any content—emails, documents, mobile apps, and more. In addition, Commvault's highly intelligent and easy-to-use software lets you hold exactly the information required across any system, device, or data type and store it in a single, accessible repository.

Extend your HPE 3PAR StoreServ investment for your data retention needs

Rapid data growth is a key challenge for every organization, especially when it comes to unstructured data generated from emails, collaboration farms, and social media. To make matters worse, much of this data is retained for regulatory and compliance purposes. The ability to have these applications deployed and their data preserved side-by-side leads to storage cost savings and simpler management.

HPE 3PAR StoreServ with HPE 3PAR File Persona Software Suite is the ideal solution where applications such as Microsoft Exchange or Microsoft SharePoint can take advantage of performance-enhanced block volumes while data generated from those applications can be preserved on a cost-effective and capacity-enhanced file shares. Together with leading enterprise information archive solutions from Commvault and Veritas, content retention and enterprise search and eDiscovery are made much simpler and efficient, leading to huge storage cost savings.

Learn more at
hpe.com/storage/3par

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