Hewlett Packard Enterprise

Consolidate home directories to improve workforce productivity

HPE 3PAR File Persona Software

Empower and enable users while increasing security and control

Improve your primary storage efficiency
- Data center footprint and significant power savings
- One converged capacity eliminates wasted block or file space reservation

Simplify your storage deployment and administration
- Autonomic provisioning of all capacity
- Single, simple, and streamlined administration of block, file, and object access

Deploy your file shares with confidence
- Resilient Mesh-Active architecture
- Mission-critical proven HPE file system
- Secured file sharing

Challenge

Localized user data with inadequate and inefficient protection and control
Every IT organization has a need to store and manage user-generated data such as business documents, images, audio, and video files. Traditionally, this has been done in local home directories on individual users' laptops and desktops resulting in higher than necessary client device costs, ineffective and intrusive backup processes, complex and time-consuming restore processes, and poor data governance. IT needs a solution that maximizes workforce productivity while ensuring that data is effectively protected, secured, and controlled—all with minimal cost and effort.

Consolidate user directories

Centrally manage user data with efficiency, high availability, and security
Home directory consolidation allows the personal directories of multiple users to be stored on centralized network-accessible file storage while still enabling the data to be accessible even when the user is offline from the network. Consolidating thousands of users' home directories on network storage increases IT control and data governance at lower cost, and increases workforce productivity through higher availability and unencumbered backup and restore of data.

Truly converged storage for home directory consolidation

HPE 3PAR StoreServ is highly efficient, flash-optimized storage engineered for the true convergence of block, file, and object access. HPE 3PAR Operating System and converged controllers incorporate multi-protocol support into the heart of the system architecture. This unique solution delivers tightly integrated, truly converged storage for provisioning both block volumes for server workloads and file and object shares for client workloads such as home directory consolidation—efficiently, effortlessly, and without compromise.

HPE 3PAR File Persona
HPE 3PAR File Persona Software enables a rich set of file protocols and core file data services on a converged HPE 3PAR StoreServ Storage. Unlike other solutions, this truly converged solution extends the architectural benefits of HPE 3PAR StoreServ Storage for primary storage workloads using its default Block Persona to home directory consolidation, user and group shares, content management and collaboration, custom cloud applications, data preservation and governance and in a way that is simple to deploy and administer.

Simplify home directory consolidation

HPE 3PAR File Persona Software simplifies home directory consolidation for physical desktops and virtual desktop users by supporting a broad range of user authentication services and client operating systems including Microsoft® Windows®, Apple OS X, and various brands of Linux® and UNIX®. Integration with Microsoft-based IT environments is enhanced through support for Access-based Enumeration, Folder Redirection, Offline Files, Roaming User Profiles, the Microsoft Management Console and DFS-Namespace.

Workforce productivity all the time
HPE 3PAR File Persona allows the seamless redirection of users' local home directory and user data for VDI users to highly available centralized network storage. Files can be transparently cached locally on users' laptops and desktops for when there is no or poor network connectivity. Files that are created or modified when the user is offline, are then autonomically resynchronized with users' centralized home directory when network connectivity is restored. Transparent failover of client connections via the included latest generation of file protocols enables users to almost continuously access their files even in the event of a storage controller failure.

Simplified data protection with confidence
HPE 3PAR File Persona simplifies data protection for users and administrators alike. Antivirus scan services provide integration with third-party antivirus software for a malware-free environment. User-driven file recovery from point-in-time file store snapshots empowers users to effortlessly restore deleted and previous versions of files without requiring administrator intervention. Replication and disaster recovery via HPE 3PAR Remote Copy protects against site failures. Share-based and Network Data Management Protocol (NDMP)-based backup of user data and configuration information provides additional protection.

Improved IT control and data security
By taking advantage of the included user quota policies and quota management, IT can better control the growth of user-generated data. For improved security, HPE 3PAR File Persona makes sure that users can only view the subset of directories and files stored on the centralized network storage that they are actually authorized to access. The file access auditing framework keeps an audit trail of who is logging into the system when, and what they are trying to access for further analysis and reporting. Moreover, the centralized home directories can be backed by the Federal Information Processing Standard (FIPS) 140-2 certified HPE 3PAR StoreServ Data-at-Rest Encryption using self-encrypting drives as an optional additional measure to prevent unauthorized data access.

Effortless provisioning and administration

Truly converged storage management is provided by the single, streamlined HPE 3PAR StoreServ Management Console and powerful, scriptable HPE 3PAR Command Line Interface (CLI) and programmatic WSAPI interface. This simplifies the provisioning and administration of block volumes for server workloads and file and object shares for client workloads. Storage administrators can effortlessly manage their home directory consolidation environment from the file shares themselves to the snapshots for user-driven file recovery, antivirus scan services, and quota management.

Achieve greater storage efficiency

HPE 3PAR File Persona improves storage efficiency through its use of truly converged controllers that require as little as one-third the data center space as other so-called unified systems, truly agile capacity, and key data compaction innovations of HPE 3PAR StoreServ Storage such as Zero Detect, Deduplication, Compression, and Data Packing. With the addition of HPE 3PAR Adaptive Optimization and HPE 3PAR Dynamic Optimization software, you can extend granular performance and capacity efficiency to your consolidated home directories in addition to your block workloads.

Overall, HPE 3PAR StoreServ Storage addresses a broad spectrum of server workloads via the default Block Persona and client workloads such as home directory consolidation via the optional HPE 3PAR File Persona—efficiently, effortlessly, and without compromise.

Learn more at
HPE 3PAR File Persona

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