



Everpure Enterprise File

Modernizing Legacy Infrastructure for Data-intensive Workloads

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Introduction

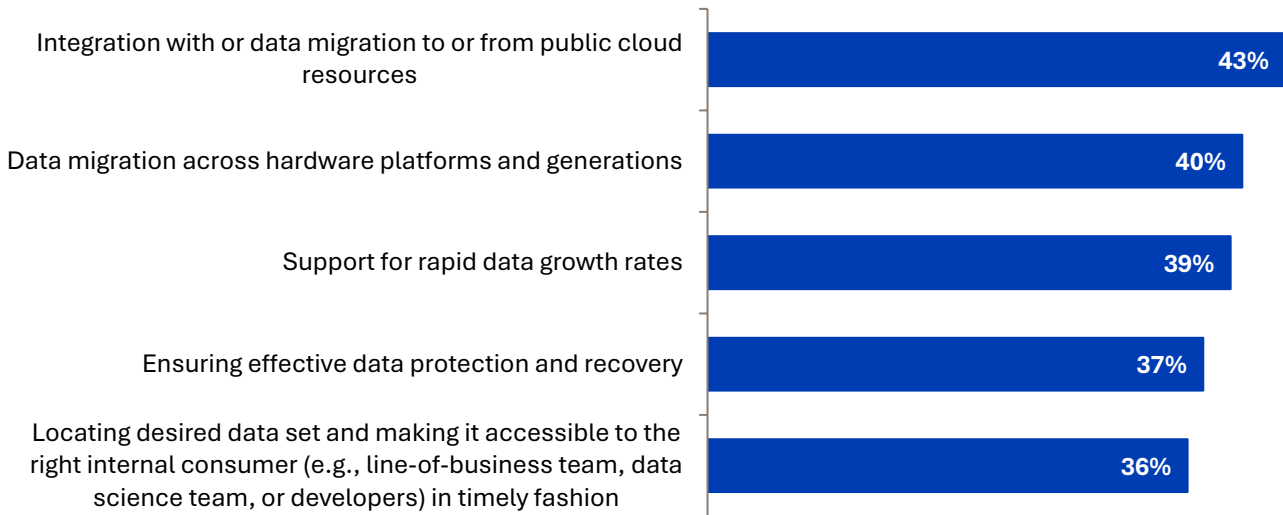
This Omdia Technical Validation documents our evaluation of Everpure Enterprise File. We specifically evaluate how Everpure’s offering helps organizations modernize legacy file services infrastructure so that it can lower capital and operational expenses while reducing management overhead.

Background

According to research from Enterprise Strategy Group (now Omdia), traditional file storage or networked attached storage (NAS) is in use in 52% of organizations’ on-premises data centers.¹ Its relevance in today’s IT environments cannot be ignored, as 46% of organizations anticipated that spending for this file storage will increase over the next two years. Yet organizations remain aware of the challenges that continue to plague traditional file storage, namely data migration across hardware platforms and generations, difficulty scaling in light of rapid data growth rates, and ensuring data accessibility for the right people at the right time (see **Figure 1**).

Figure 1. Traditional NAS continues to present operational challenges

Which of the following, if any, are your organization’s data-related challenges with on-premises file and object storage? Percent of respondents, N=343, multiple responses accepted)



Source: Omdia

As legacy infrastructure is known to be rigid and not designed for flexibility, scalability, and operational simplicity, it does not support organizations in responding to rapidly evolving application requirements. Exacerbating the challenges encountered with legacy file storage services is the need to gather, clean, and manage copious amounts of data required for AI workloads. Successfully operating AI workloads requires fast data processing and access, especially with AI model training and inference.

Working with legacy file storage services in today’s dynamic business environments is complex. Current implementations can span numerous generations of hardware and software technology using multiple

¹ Source: Enterprise Strategy Group (now Omdia) Complete Survey Results, *The Critical Role of Storage in Building an Enterprise AI Infrastructure*, September 2025. All Enterprise Strategy Group research references and charts in this Technical Validation are from this survey results set.

management layers and protocols. However, the complexity easily results in more operational overhead, data silos, and limited agility that makes upgrades and changes painful. Dealing with these issues can lead to unwanted capital and operational expenses. What alternatives do organizations have?

Everpure Enterprise File

Everpure Enterprise File is designed to modernize legacy file services so that organizations can better meet dynamic application requirements. Unlike traditional file storage that relies on single-purpose storage systems deployed, resized, upgraded, and managed independently within multiple locations, Everpure Enterprise File relies on a single virtualized storage pool (based on an Everpure FlashArray and/or FlashBlade fleet²) that can automatically and intelligently resize and tier storage on demand for multiple locations. This modern approach to file-based storage helps organizations accelerate implementation of new business initiatives.

Everpure’s file services are not implemented via external appliances or add-on layer on top of block storage. Instead, Everpure Enterprise File is integrated into the Everpure storage platform (see **Figure 2**). File services are delivered natively within the common Purity operating environment that runs on both FlashArray and FlashBlade. Organizations can then experience the same consistent policy enforcement, availability, and data mobility offered by Everpure.

Figure 2. The Everpure platform



Source: Omdia

With Everpure Enterprise File, data is no longer siloed within storage systems deployed across numerous sites. Organizations can also provision and manage data via a single web interface instead of across disjointed and vendor-specific tools and interfaces. With this modernized infrastructure, organizations do not need to pre-plan and overprovision storage to handle forecasted needs or migrate data to other locations where data access is needed. And they also will not incur downtime due to maintenance and upgrades.

Everpure Enterprise File consists of:

² A fleet is a group of Everpure FlashArrays and/or FlashBlades that comprises the virtualized storage pool.

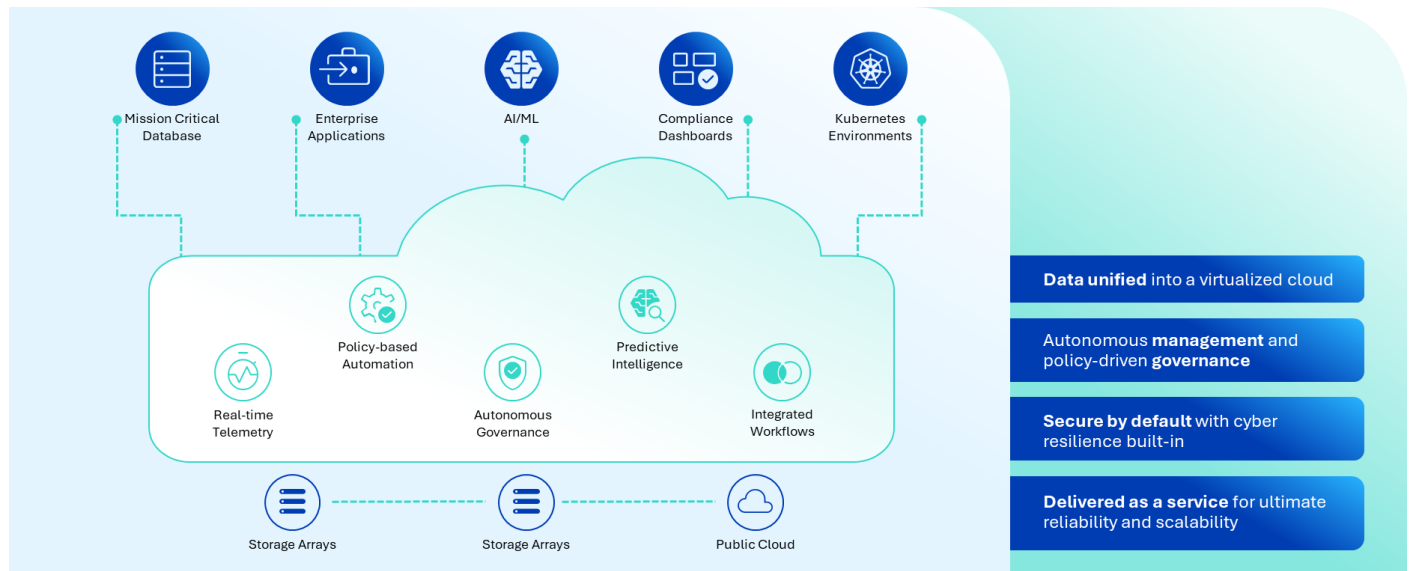
- **An all-flash architecture** that supports the global storage pool. Storage capacity is supplied by FlashArray and FlashBlade systems in the fleet.
- **A single management plane** for configuring application performance and security policies. Organizations can automate the deployment of application datasets across the fleet according to business requirements as well as assign the hardware for hosting the workload. Workloads can non-disruptively move between separate arrays within the fleet.
- **Non-disruptive upgrades** supported by Pure's Evergreen architecture and the embedded service-level agreements (SLAs).

With Everpure Enterprise File (shown in **Figure 3**), organizations can benefit from:

- **An efficient architecture.** Unlike legacy file storage consisting of multiple storage media types, Everpure Enterprise File is built on a foundation of Everpure DirectFlash Modules (DFMs) and is designed to deliver the density and performance to satisfy a wide spectrum of application requirements. DFMs, available in 300TB, as well as 150TiB and 75TiB sizes, have been designed to significantly lower power, space, and cooling costs, which also decreases the need to migrate to newer solid-state drive generations as organizations want to take advantage of higher densities.
- **Simplified and non-disruptive operations.** With visibility and control across a unified global storage pool, organizations can provision and scale capacity across their fleet to maximize resource usage. Organizations can move workloads between systems without disruption when requirements change. The management capabilities of the control plane, available at no additional cost, provide placement recommendations and forecasting to support ongoing operational planning.
- **Simplified management at scale.** With the unified management interface of PurityOS, organizations can leverage automation with application programming interfaces, command line interfaces, or the graphical user interface (GUI). Because organizations can define policies once and apply them across the fleet, the need to manage array-specific configurations decreases. Performance, access, and data protection requirements are enforced uniformly, even when workloads move between systems. This policy-based system also eliminates the need to manually validate and configure as environments change over time.
- **Flexible and non-disruptive consumption.** The underlying Evergreen architecture enables organizations to expand and refresh infrastructure without disruptive migrations or hardware replacement cycles. Performance and capacity can be scaled independently in Everpure hardware. Capacity can be added incrementally as needs evolve, while embedded Evergreen//One SLAs support continuity across generational system upgrades.
- **Simplified and non-disruptive data management.** With Zero Move Tiering, organizations can transparently balance and migrate workload data across multiple performance storage classes within the same namespace and storage system. The need for manual tier migrations, and the related operational overhead, is reduced. As data placement is optimized, organizations can continuously access data without operational disruption.
- **Continuous file access during failovers and migrations.** With ActiveCluster, organizations can maintain file access and mobility during these events without the need to remount or change share paths. ActiveCluster leverages synchronous replication across systems, with each array to independently support production workloads while maintaining data consistency. IP addresses, DNS names, and file handles do not change before, after, or during these events.

- **Improved cyber resiliency.** Built-in protection features maintain trusted recovery points and reduce the risk of data loss. Policy-driven snapshots provide consistent protection across systems, while immutable and indelible SafeMode snapshots prevent deletion or modification, even if credentials are compromised. Encryption enabled by default protects data at rest. All capabilities are delivered natively within the platform rather than through separately licensed security features.

Figure 3. How Everpure Enterprise File simplifies legacy architecture



Source: Omdia

Omdia Technical Validation

Using briefings and demonstrations, coupled with our experience and knowledge of how storage has delivered value to organizations across a wide variety of use cases, Omdia validated the benefits that organizations can expect from using Everpure Enterprise File. Our test environment includes a fleet consisting of two Everpure FlashArrays, “flasharray1” and “flasharray2.”

Simplified management and operation at scale

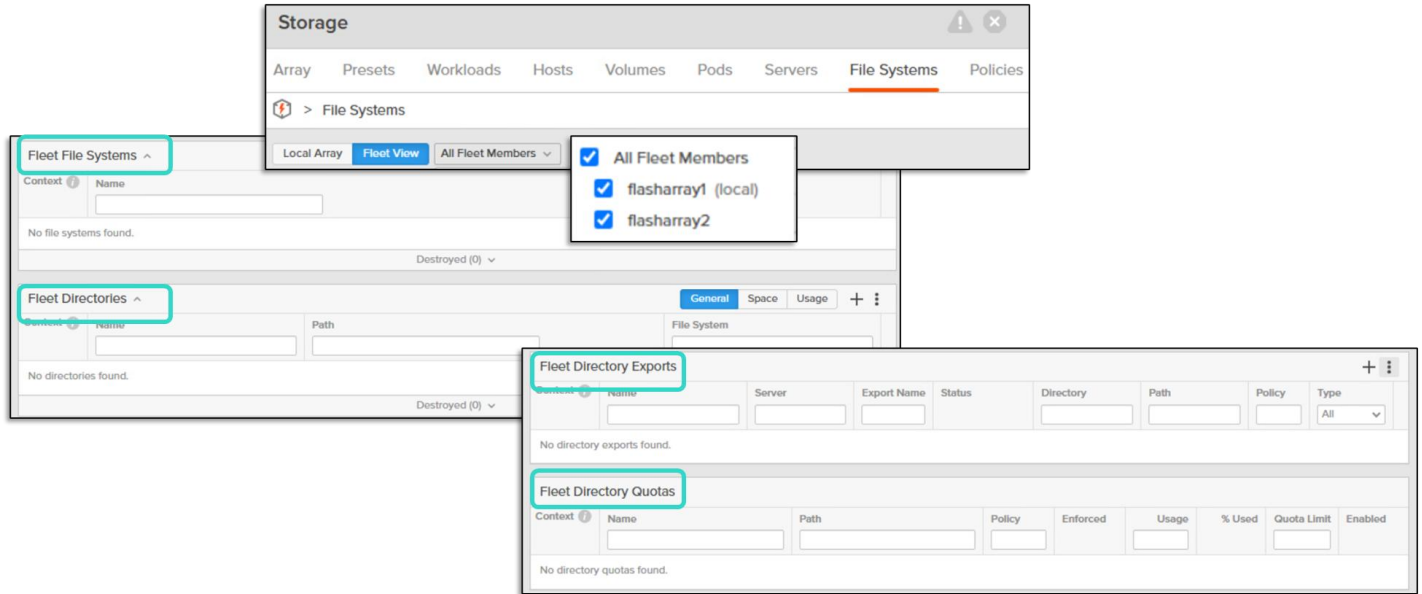
Legacy file storage typically consists of multiple and diverse storage systems, each with its own management interface. However, this has led to operational complexity and delays from organizations satisfying application requirements effectively. Organizations face applying different policies across discrete file shares and directories, especially if the shares reside on different physical storage systems. Also, working with disparate storage and hardware can lead to inconsistent upgrade cycles that incur system maintenance windows.

Conversely, creating and configuring multiple file shares can be done with one virtualized storage pool using one unified interface. Coupled with the underlying Evergreen architecture, organizations can then achieve lower operational simplicity while increasing uptime.

Omdia analysis

To illustrate how Everpure Enterprise File can decrease operational complexity, Omdia navigated to the Everpure unified GUI and clicked on “File Services.” **Figure 4** shows that the fleet consists of “flasharray1” and “flasharray2,” which comprise the virtualized storage pool. We also noted that the same steps are taken when creating file systems and directories on a local array, emphasizing the consistent experience that the GUI offers.

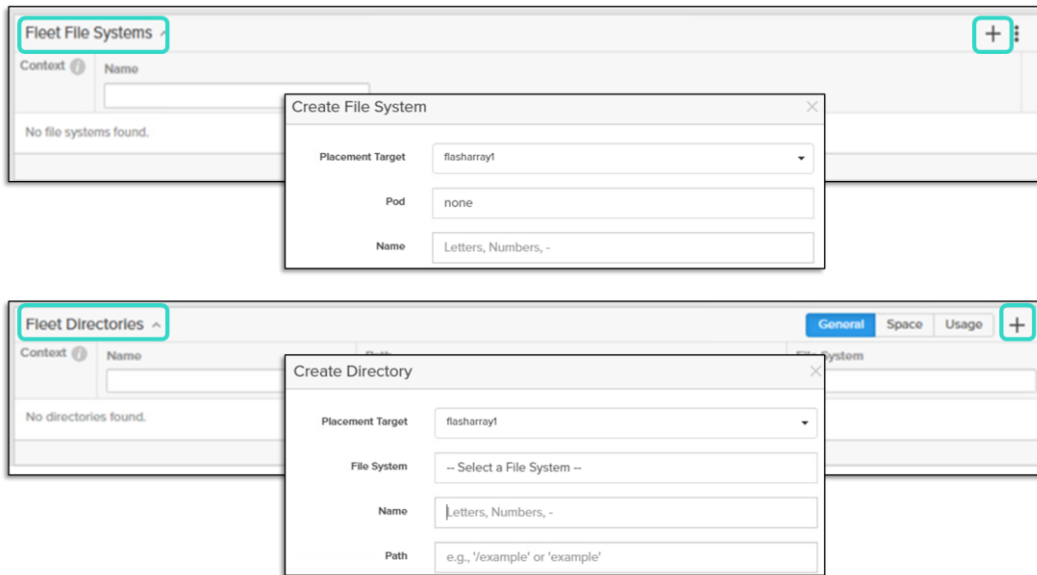
Figure 4. Creating file systems and directories across a FlashArray fleet



Source: Omdia

Omdia then proceeded to complete the “Fleet File Systems” and “Fleet Directories” steps noted in Figure 3. Adding files systems and directories simply required clicking on the plus sign in the upper right-hand corner and filling out values for the presented variables. We should point out that completing these steps is the same whether creating on a single FlashArray or a FlashArray fleet (illustrated in **Figure 5**).

Figure 5. Consistent user experience whether working on a single FlashArray or a FlashArray fleet

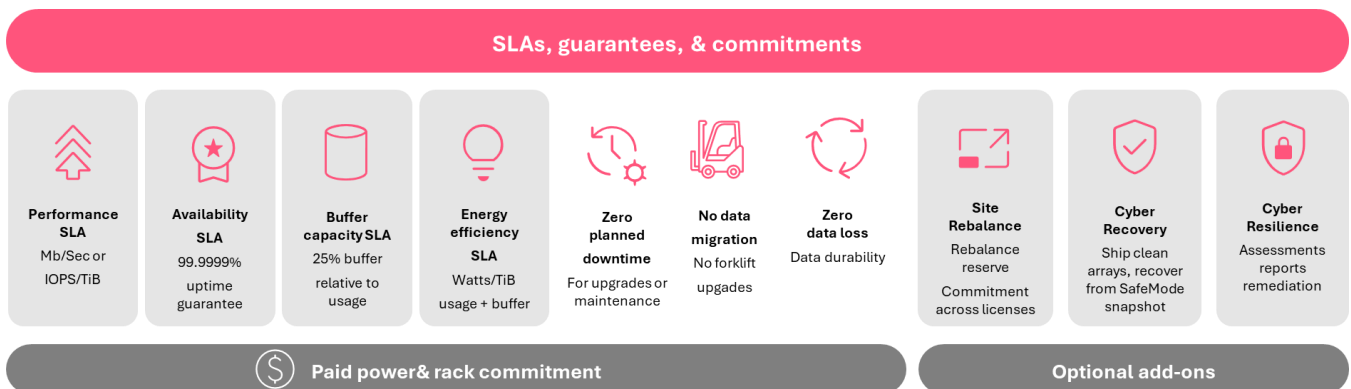


Source: Omdia

As Omdia navigated through the interface, we noted that supporting multiple file systems on the FlashArray fleet removes the need to deploy storage at individual sites. Since the fleet supports one virtualized storage pool, scaling storage for individual file systems is easier, eliminating the need to forecast storage needs for individual file systems dedicated to specific locations.

The Evergreen architecture, coupled with Evergreen//One, is also consistent with simplified ongoing storage system maintenance enabled with Evergreen non-disruptive upgrades and migrations. **Figure 6** illustrates the Evergreen//One SLAs in place with customers that further ensure the performance and reliability of the storage pool to support Everpure Enterprise File. With Evergreen//One, organizations can significantly decrease operational downtime while also decreasing both capital and operational spending.

Figure 6. Everpure Evergreen//One SLAs



Source: Everpure and Omdia

Why this matters

Operational simplicity is a challenge that legacy file services have yet to address effectively. Organizations work with storage systems of varying hardware and software versions, each with specific yet disjointed management interfaces. Working in this heterogenous environment easily leads to both increased operational complexity and downtime.

Omdia validated that Everpure Enterprise File delivers the operational simplicity lacking with legacy file services infrastructure. We navigated through the unified interface, which enables a consistent experience in conducting tasks such as creating file systems and directories. This consistent user experience is also facilitated by the virtualized storage pool supported by the FlashArray fleet, backed by the Evergreen architecture. The combination of these factors can ultimately lead to lower operational overhead, along with decreased capital spending.

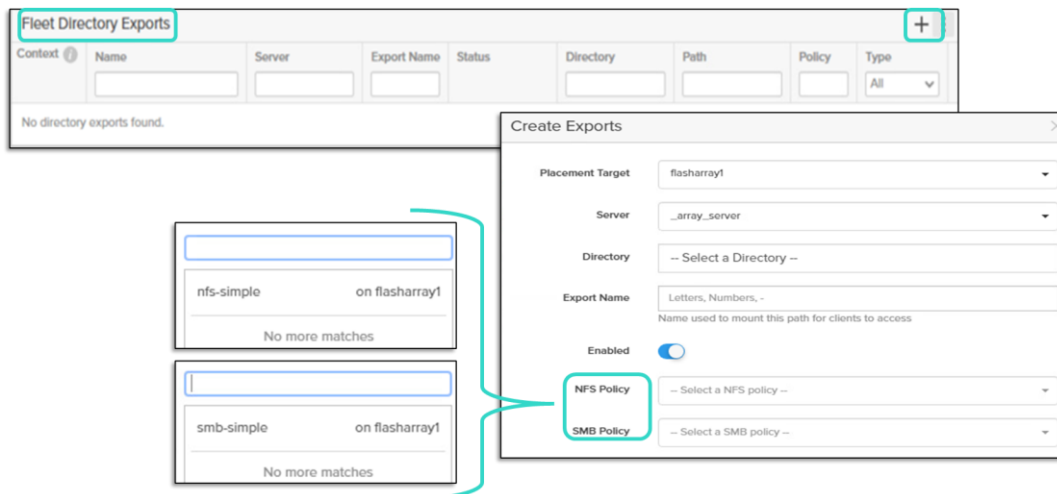
Granular file directory control

Because file systems can be created on one virtualized storage pool with Everpure Enterprise File, organizations can apply policies at the directory level. With the support of the single GUI, organizations can set these policies across multiple directories within and across multiple file systems hosted on the global storage pool.

Omdia analysis

Omdia proceeded to set access policies for directories, as illustrated in **Figure 7**. An administrator can establish NFS and SMB sharing policies that define who can connect to the directory. We should note that multiprotocol access is the default setting.

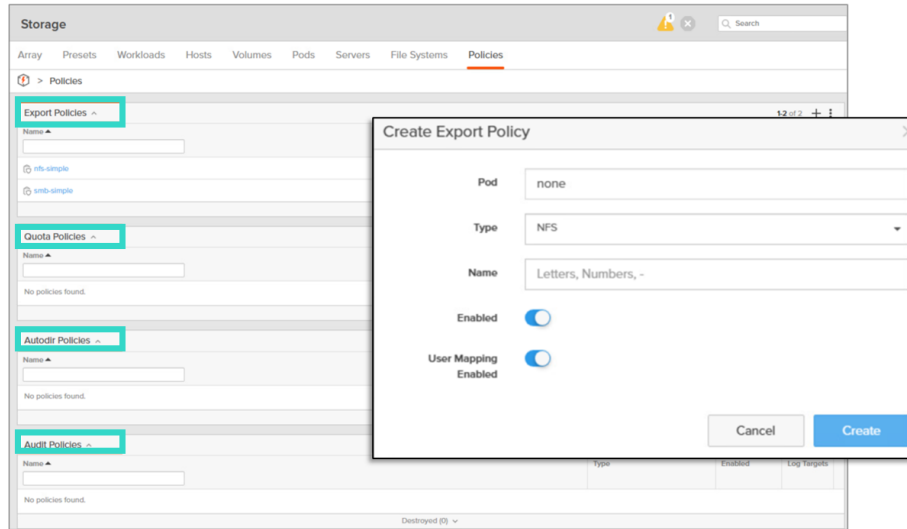
Figure 7. Consistent user experience while maintaining granular storage control



Source: Omdia

Omdia also observed how multiple policies and associated rules can be created via this centralized interface. We clicked on the “Policies” tab and were presented options to configure policies related to directory export, user quotas, automatic directory management (Autodir), and auditing (see **Figure 8**). We then proceeded to create an export policy named “DeptShare.”

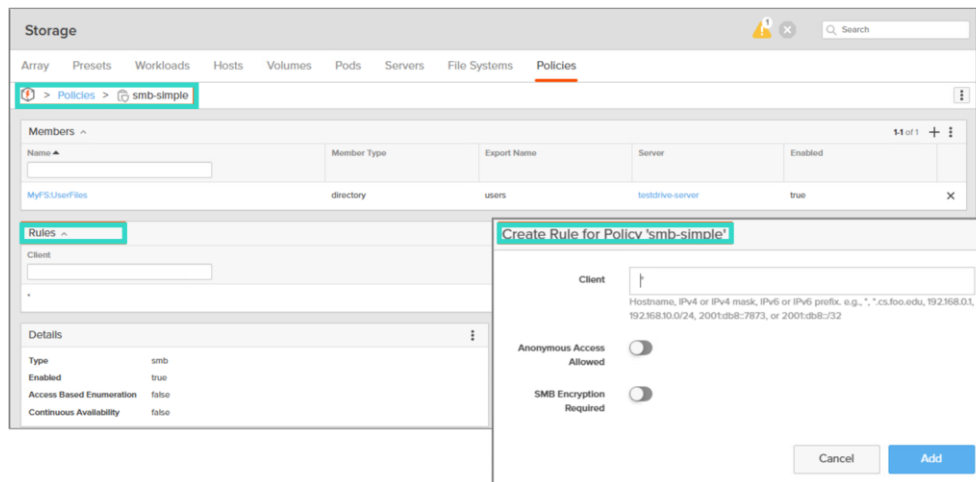
Figure 8. Configuring multiple policies via the unified GUI



Source: Omdia

Setting the rules for enforcing the policy was as simple as double-clicking on the policy name and entering the requested parameters (see **Figure 9**). Again, the unified interface can enable an administrator to apply specific policies to different file directories, without any restriction at the file system or storage level.

Figure 9. Configuring policies with rules



Source: Omdia

Applying data access policies easily and consistently to selected directories is also enabled by the virtualized storage pool, especially when directories are exported to other file systems. Omdia saw how this can decrease both capital and operational spending as organizations no longer need to:

- Copy or migrate data between disjointed storage systems to enable access.
- Add physical storage to select locations of users so that additional data can be accommodated.

Why this matters

Legacy file services infrastructure complicates how organizations access and apply policies to file systems and directories. With its disjointed architecture, consisting of multiple hardware and software versions of storage systems, applying access policies consistently becomes an issue.

Omdia validated that Everpure Enterprise File can help organizations control file-based storage at the directory level. Because of the virtualized storage pool, organizations can configure and apply access policies once, removing the need to ensure consistently as access needs change while also reducing operational complexity.

Simplified data protection and recovery

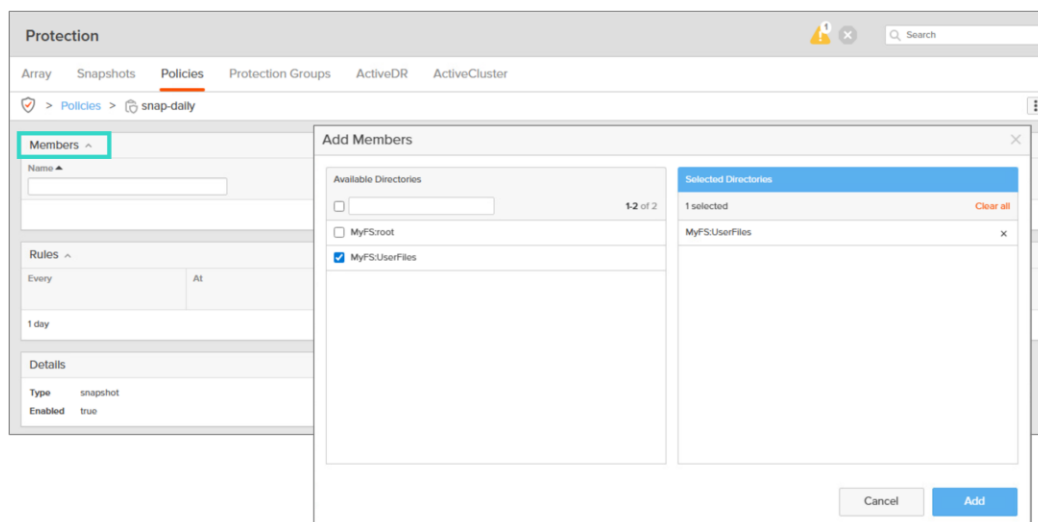
Protecting data at the directory level with legacy file services infrastructure has proven to be operationally complex. The lack of centralized visibility and control over where data lies at any given time, coupled with the fragmentation of storage systems, left organizations with no assurance that their data was adequately protected.

On the other hand, Everpure Enterprise File enables organizations to configure and apply data protection policies at the directory level, regardless of where the file system is located. Protection polices can also be applied to multiple directories simultaneously.

Omdia analysis

Omdia first navigated to the “Protection” menu option and clicked on the “Policies” tab. We observed the creation of a snapshot policy named “snap-daily” and added members (or directories) to which the policy would apply, as shown in **Figure 10**. With this centralized visibility, an administrator can apply the data protection policy consistently to the same dataset, regardless of the file system in which the directory resides.

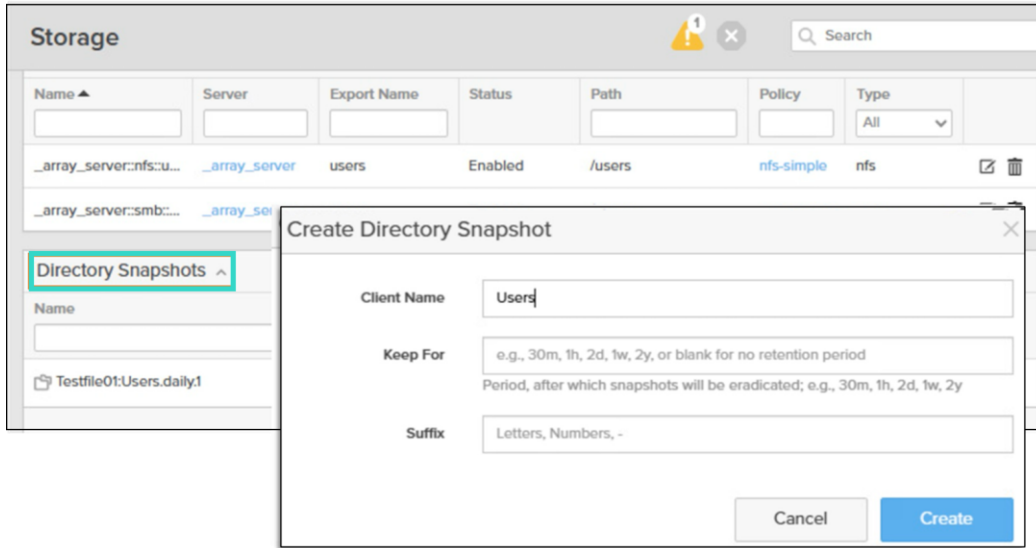
Figure 10. Creating data protection policy with members



Source: Omdia

Under the same “Protection” menu option, Omdia navigated to the “Snapshots” tab to configure directory snapshots, as shown in **Figure 11**.

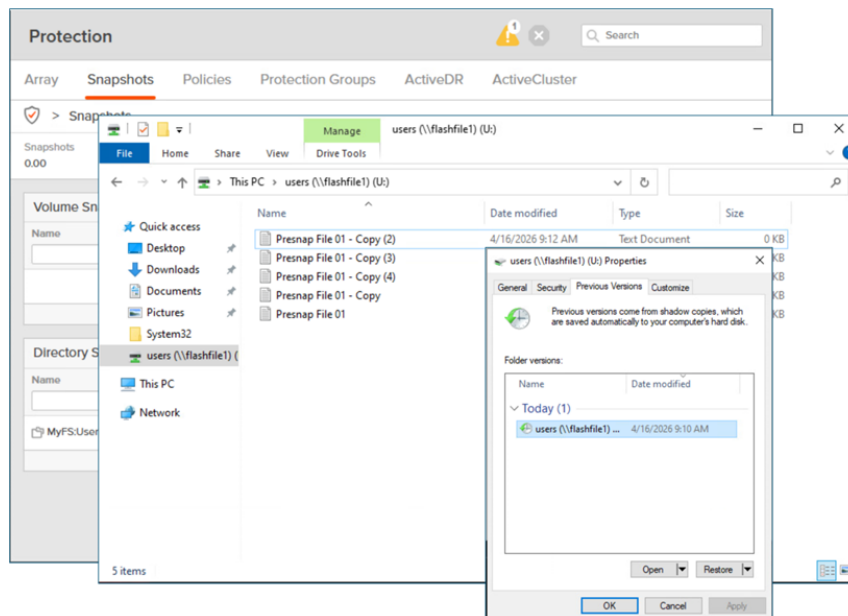
Figure 11. Configuring directory snapshots



Source: Omdia

Recovering data from a previous snapshot can then be completed using a Microsoft Windows interface (as illustrated in **Figure 12**).

Figure 12. Directory recovery using a snapshot created with Everpure Enterprise File



Source: Omdia

Why this matters

Protecting and recovering data with legacy file services infrastructure is difficult to accomplish, as data becomes fragmented over time. Data originally residing in one location is eventually copied and/or migrated to other storage systems to provide access when needed. Unfortunately, organizations then need to deal with updating these policies for each storage system, leading to inconsistencies in snapshots and making recovery difficult, if not impossible, to achieve in an acceptable timeframe.

Omdia validated that Everpure Enterprise File can help organizations simplify data protection and recovery of file-based storage. Instead of administering data protection policies at the storage level, these policies can be applied at the directory level once. Both data protection and recovery operations are simplified, and organizations can return expediently to an operational state with minimal data loss.

Conclusion

Remaining agile in satisfying business needs when using legacy file services infrastructure remains challenging for organizations. Fragmented storage with different management interfaces leaves organizations to deal with operational complexity when needing to scale storage across multiple sites, configure access and data protection policies consistently, and update both hardware and software that must interoperate. Such complexity typically results in unwanted capital and operational costs.

Everpure Enterprise File has been designed to minimize the operational complexity that is traditionally attached to legacy infrastructure. The combination of the virtualized storage pool, native Everpure platform integration, and the centralized visibility and control supports organizations in simplifying the operation and management of file-based storage. With Everpure Enterprise File, organizations can minimize both capital and operational spending due to simplified workflows and lower hardware and software expenses, especially when scaling to support the needs of data-intensive workloads.

Omdia's review of Everpure Enterprise File validated that organizations can benefit from:

- The simplified operation and management at scale through with the support of a virtualized storage pool spanning a fleet of storage systems.
- The granular control over file storage, as both data access and protection policies can be configured once and applied consistently across selected directories.
- The simplified data protection and recovery that assures that snapshots contain the right data to be recovered at any given time.

By using Everpure Enterprise File, organizations can ultimately achieve the operational and management efficiency as well as lower capital spending that they have not found with legacy solutions. Our evaluation of Everpure Enterprise File reveals that this solution presents a viable alternative that should be placed under closer examination for your production networks.

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