

Enterprise File Powered by the Everpure Platform

Make your data immortal with scalable, flexible, future-ready file services.

Modern applications need agility that yesterday’s traditional file systems weren’t built to support. Today’s rate of change requires a solution that can dynamically change, adapt, and reconfigure in real time. Everpure™ Platform Enterprise File is purpose-built for an era of rapid change and is flexible enough to handle future workloads, whatever they may be.

Traditional file services: Rigid, complicated, and hard to manage

Over time, traditional file systems have become increasingly burdensome to manage. Managing them can be incredibly complex, resulting in more overhead, infrastructure bottlenecks and silos, increased cyber risk from complex layered architecture, and limited agility that makes upgrades and changes painful.

The following figure illustrates how traditional file services can create complexity in an environment supporting multiple file workloads with different performance requirements. Scaling is achieved by adding silos and increasing time spent planning, all for an environment that may not be appropriate for high-performance computing and AI. As requirements change and workloads are introduced, IT must add file storage in a reactionary—not proactive—fashion.

Traditional, rigid infrastructure with silos

	Analytics	User and Home Directories	Backup and Archive	Virtualization	HPC and AI	Future
Architectures and Management	NAS Scale-up/out	Legacy NAS Scale-up	Backup Appliance Scale-up/out	Legacy NAS Scale-up	Parallel File System Scale out	Scale-up/out
Capacity						
Performance Requirements						?
Refresh	3 years	3 years	5 years	2 years	1 year	?
Media	Hybrid	Disk	Disk	Flash	Flash	?



Simple and scalable management

- Experience consistent, enterprise-grade data services
- Access a single virtualized storage pool without configuration lock
- Leverage automation with API, CLI, or GUI



Native agility with guaranteed SLAs

- Never overpurchase or underpurchase storage
- Upgrade in place, nondisruptively
- Rely on guaranteed SLAs
- Simplify ownership with always-improving software and hardware



Cyber resilient and efficient

- Get smart recommendations for policies and optimization
- Eliminate manual errors from routine operations
- Maintain backward compatibility across every release
- Enable synchronous replication with ActiveCluster™

A new approach

The reality is that no traditional file service is capable of supporting changes at today's rapid pace. Today's infrastructure evolved from single systems supporting single workloads, scaling up with capacity or scaling out to meet changing requirements. To deal with this rigidity, organizations have adopted several strategies, like the "science project" single-purpose dedicated solution maintained by internal experts, or shadow IT where teams use their own resources to spin up cloud environments for dev/test. All of these scenarios are stopgaps to deal with a rigid file solution that doesn't quite meet environment needs.

A modern solution needs to be flexible and nondisruptively scalable. Flexibility ensures that new and rapidly changing requirements can be serviced so that new business initiatives are not stalled, eliminating the need for shadow IT. Nondisruptive scalability means that new workloads can be supported in existing environments—without resorting to silos or single-purpose dedicated storage to avoid downtime.

Enterprise File Services: Be future-ready

Enterprise File from Everpure is a revolutionary approach to file services. Purpose-built for today's rapidly changing world, it eliminates the need to predict the future and instead offers the flexibility to adapt to tomorrow's needs without having to overinvest or compromise to meet today's objective. File data is immortal, unconstrained by silos and environment changes and without the risk of downtime during upgrades.

Simplified management at scale

Traditional file systems can be rigid once they are configured, making it difficult to adapt them to changing requirements. Everpure Platform Enterprise File is resourced from a single virtualized storage pool that can flexibly meet the most demanding performance requirements. All storage is powered by Purity OS, a common operating system that ensures a consistent experience with enterprise-grade data services.

Supporting a variety of workloads with different performance requirements and configurations doesn't have to add more manual steps. Automation unlocks the ability to scale without introducing complexity or additional overhead. Everpure Platform Enterprise File can use the unified management of Purity OS to leverage automation with either APIs, a CLI, or a GUI. You can quickly provision, adjust, and scale storage in real time across an entire fleet without having to worry about misconfiguring settings like quality of service (QoS) or data protection policies. This allows infrastructure teams to rapidly respond to requests while reducing human error.

Eliminate legacy data tiering complexities

Gain the benefits of tiering hot and cold data without the typical CAPEX, space, and operational burdens. With Zero Move Tiering for Everpure FlashBlade®, managing classes of storage is handled behind the scenes. Available in multiple configuration options, it continuously balances workload data across multiple performance storage classes—within the same namespace and without requiring data movement between tiers. This eliminates complex data management policies, unpredictable performance, and additional latency due to reassembly of blocks.

Native agility and guaranteed SLAs

Attempting to predict growth can lead to overpurchasing or underpurchasing storage, even with the most meticulous planning. A future-proof data strategy can be achieved with a flexible consumption model that's backed by an architecture that supports growing nondisruptively. Everpure Platform Enterprise File is available on FlashArray™ and FlashBlade, which can be purchased with an Everpure Evergreen//One™ or Evergreen//Forever™ subscription model. Both models are the only consumption models built on Everpure Evergreen® Architecture, which allows nondisruptive upgrades.

- Evergreen//One is a managed service that provides guaranteed service level agreements (SLAs) for storage. You can flexibly consume storage and scale seamlessly as easily as in the public cloud.
- Evergreen//Forever provides a traditional storage offering with a subscription to innovation. It simplifies ownership, with always-improving storage software and hardware delivered nondisruptively and with data in place. This allows you to buy once and keep modern virtually forever.

Cyber resiliency

As infrastructure changes and grows, routine maintenance, optimization, and security policy management can be tedious or even overlooked. The Everpure Platform can handle many common security and optimization tasks and provide smart recommendations in the background. Everpure Platform Enterprise File is native to Purity OS, so required updates and fixes are backward compatible and do not require planned downtime.

Business continuity and mobility with ActiveCluster

ActiveCluster™ enhances business continuity and mobility with software-centric synchronous replication built into the Everpure Platform. Files remain continuously accessible across sites, with both arrays actively serving production workloads. Failover is automatic and transparent, requiring no remounts, path changes, or manual orchestration. ActiveCluster is delivered as a native Purity OS data service, and it eliminates the need for dedicated, synchronous-only storage silos, avoids mismatches between the application data set and underlying physical unit of storage being mirrored, and removes the need to manage and patch external mediators. There's no idle hardware, with both systems able to run production workloads with bi-directional stretching.

Infrastructure efficiency

Traditional file systems have to employ multiple types of storage media in order to meet performance requirements, from hard-disk drives to high-performance flash. Everpure Platform Enterprise File is built on the foundation of Everpure DirectFlash® Modules, the evolution of commodity solid-state drives. It can deliver superior efficiency, density, and performance with a design that's optimized solely for enterprise storage.

Achieve storage peace of mind

Supporting the rapidly changing requirements of today requires flexibility that isn't built into yesterday's file solutions. Only a truly unified storage pool that can flexibly serve multiple performance requirements will ensure painless onboarding of future workloads. A consumption model that ensures a nondisruptive evolution of storage built on modern storage media allows your organization to focus on driving outcomes rather than wasting time in planning and storage management. Allowing a global pool of storage that scales and flexes to meet all performance requirements, built on a bedrock of high-performance DirectFlash, ensures that silos are a thing of the past.

Everpure Platform Enterprise File eliminates silos

	Analytics	User and Home Directories	Backup and Archive	Virtualization	HPC and AI	Future
Architectures and Management	NAS Scale-up/out	Legacy NAS Scale-up	Backup Appliance Scale-up/out	Legacy NAS Scale-up	Parallel File System Scale-out	Scale-up/out
Global Capacity			FlashArray FlashBlade			
Performance Requirements						
Always up to Date	Evergreen					
Media	DirectFlash					

Additional resources

- Read more about [Enterprise File](#).
- Watch the [webinar](#) on how Everpure Platform Enterprise File can help unlock your organization's potential.

Visit Our Website

800.379.PURE

