

**SOLUTION BRIEF**

# Meet Business Needs with Evergreen//One

No matter what your role, benefit from the cloud economics of on-premises and hybrid-cloud storage as a service.

Storage is a critical component of strategy and plays a major role in keeping businesses running. No matter what your function in the organization, you need fast access to stored data to make business decisions. But traditional storage data infrastructure is fundamentally complex, causing issues with availability, risk and resource management. It is at odds with as-a-service consumption models, lacking agility and flexibility. And many solutions are not innovative enough to support the advanced data activities required for business transformation. Evergreen//One provides an alternative.

Evergreen//One is fully-flexible, pay-as-you-go storage-as-a-service (STaaS) offering that transforms your enterprise storage environment into a highly efficient storage subscription service. It supports block, file, and object storage services that you can deploy on-premises, in a co-location facility, and in the public cloud.

Everything that Pure offers the portfolio can be delivered with SLAs in an elastic, easy to scale subscription that offers a cloud-like experience, that is sustainable and ESG-ready. Evergreen//One brings this all together to uncomplicate your data storage needs, forever.

## Meeting Your Needs

As data grows and evolves, the way we protect, manage, and store it needs to evolve along with it. While everyone shares a need for all the benefits data can provide, you have specific requirements for your role and teams.

### Application Architects

Application architects must be able to design and implement the right solutions to be as prepared as possible. With regard to future storage needs, the dominant platform for infrastructure deployments is still on-premises and in data centers. As you look for ways to get the capacity, scalability, elasticity, and flexibility those data centers need, the focus turns to making on-premises infrastructure more cloud-like.



### Impact Business Outcomes

Evergreen//One helps build a storage infrastructure that powers digital transformation efforts.



### Pay Only for What You Use

Set your reserve commit and Pure bills you only for what you consume beyond your committed usage.



### Get the Power of Pure1

Use Pure1 data management to monitor, analyze, simulate, and manage virtualized environments across a hybrid cloud.

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Most organizations today are building a hybrid-cloud strategy to help them address the cost of traditional storage, save time, and decrease IT staff workload along with skill gaps. As a result, application architects want a single solution that can deliver the simplicity and cost efficiencies of a hyperscaler, the flexibility and scalability of reference architectures, and Tier 1 enterprise performance and resilience. The ability to build in the cloud and deploy on-premises is understated in the industry, but that is exactly what Evergreen//One offers. This solution provides a path to build in the cloud and deploy locally via rich APIs and cloud-native architecture, assuring that your project will reach users in the locations that meet their needs regardless of where the development work is done.

### **Storage Administrators**

A typical non-Pure data storage configuration takes approximately six months to deploy and set up; another 18 months to migrate the data to storage arrays, followed by two years of value from usage; and then 12 months to migrate the data off of the array in order to start the process over again with new hardware and software. Over this three-to-five-year period the hardware ages, performance wanes, and you have disruptions from planned downtime. The IT staff is busy focusing on the many details of storage management and operations like data migration and protection, performance, reliability, and capacity.

These are the challenges that storage administrators face, and why so much time is spent on storage-management tasks instead of strategy. Data management is strategic, but storage platform management creates headaches. Evergreen//One reduces the complexity of day-to-day storage management and operations to allow IT staff to focus on more sophisticated data projects.

### **CIOs and CFOs**

With constrained IT budgets, CIOs and CFOs must identify how best to address storage, staffing, operational risk, and other business issues to drive better outcomes. CIOs are challenged to keep up with the rapid expansion of data, growing IT staff workloads, and unpredictable technology needs. At the same time, CFOs face shrinking budgets, increasing operational risks, and emerging digital transformation investments.

There are many storage options, but it is important to choose a solution that meets the real needs of the business. Investing a significant amount of your budget in CAPEX increases risk of technical debt. CAPEX expenses and debt typically change over time and can increase due to adding storage to accommodate spikes and other seasonal changes. The state-of-the-art equipment you purchased today is no longer state of the art two years down the road.

Beyond that, the traditional model of capital purchasing creates additional problems and missed opportunities. On the other hand, Evergreen//One offers the agility and financial flexibility of cloud to address changes in data needs, and FinOps principles that help teams collaborate on data-driven spending decisions.

### **Applications and DevOps Teams**

Storage can sometimes be seen as a bottleneck for App and DevOps teams. It is perceived as too complicated, and lacking innovation. Evergreen//One allows you to innovate faster by removing the roadblocks of traditional data storage infrastructure, ensuring that it is modern-app and container-ready, and bringing fast, flexible and innovative cloud experiences to your entire data storage estate.

## Evergreen//One

[Evergreen//One](#), a fully flexible enterprise-grade storage subscription service, is enabled by industry-leading, field-proven [FlashArray™](#), [FlashBlade®](#), and [Pure Cloud Block Store™](#) technology, along with the corresponding validated design integrations, FlashStack® and AIRI® (AI-ready infrastructure). With Pure's Evergreen™ solution, you get elasticity and scalability, with non-disruptive upgrades and expansions. You'll also get AIOps and FinOps that drive innovation, productivity, and efficient operations.

### How It Works

Evergreen//One offers a reserve commit which is used throughout the life of the contract at a discounted rate. If you exceed your reserve commit, you move into on-demand usage at the standard rate. On-demand usage eliminates the risk of either purchasing too much (over-provisioning) or too little storage (under-provisioning, re-buys, or staggered leases). It also accounts for the unpredictable nature of multi-year sizing, seasonal workloads, and spikes. As your organization's storage needs increase, Pure will proactively scale up your business's infrastructure and capacity.

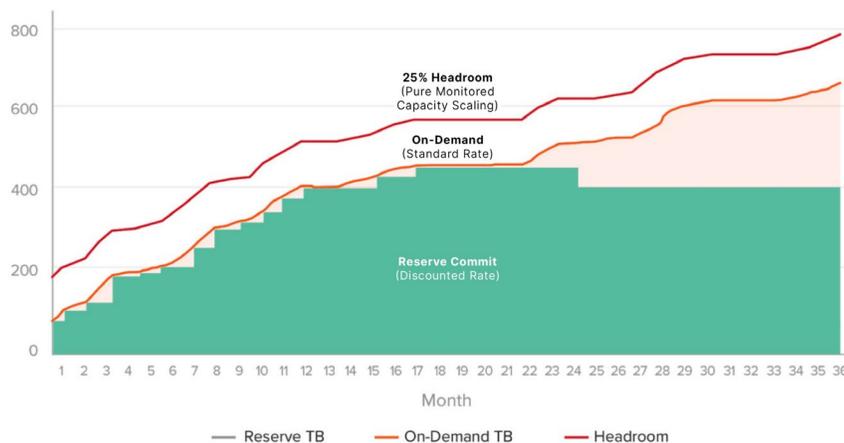


Figure 1. Subscription management: Capacity, controllers and software upgraded as needed to meet SLAs.

Pure monitors the usage with the [Pure1®](#) application-aware, cloud-based storage management platform. Pure1 automatically adds capacity when you exceed 80% of your allocation. Evergreen//One also maintains 25% buffer capacity over the Effective Used or Reserve Commitment up to 1PiB in increments of 100TiB. This ensures that there is always elastic and available capacity so you never outgrow your storage. This headroom is maintained at no cost to the customer.

### On-Ramp to Hybrid Cloud

Most organizations today have a cloud and/or digital transformation initiative. Evergreen//One provides a first step to cloud enablement as well as a viable alternative to public cloud for mission and business critical apps. Evergreen//One delivers a consistent [hybrid-cloud](#) experience leveraging a single unified subscription across your on-premises data center, co-location/hosted facilities, and public cloud via Pure Cloud Block Store. Pure Cloud Block Store is software producing a fully functional virtualized FlashArray SAN that runs on public cloud resources.

When you subscribe to the on-premises block service, you receive a key for Pure Cloud Block Store, which provides data mobility across on-premises and cloud environments so you can start your cloud journey in any location and move all or a portion of your data seamlessly. Once Pure Cloud Block Store and your public cloud instances are set up, you can manage

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your fleet with one set of storage management tools which include the Pure1 management tool, orchestration, AI-based predictive support, and VM analytics.

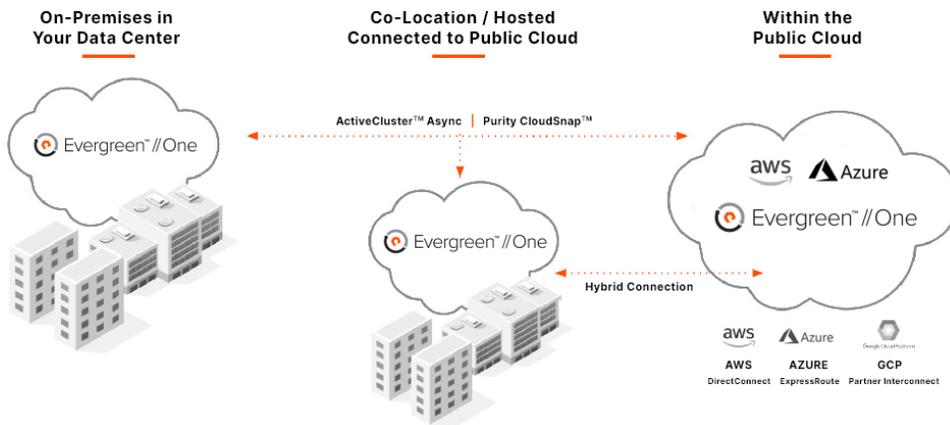


Figure 2. Flexible hybrid cloud.

Start with Evergreen//One on-premises, add co-located/hosted Evergreen//One, and/or Evergreen//One with Pure Cloud Block Store in the public cloud. You can then add Purity ActiveCluster and/or asynchronous mirroring between locations, as well as attach your co-located Evergreen//One storage services to your compute in the public cloud, enabling a multicloud option.

## Pure1 Power Included

Included with your Evergreen//One subscription, Pure1 is an AI-driven data-services platform for storage management. With Pure1 Meta, an artificial intelligence engine, you can see into your future and accurately forecast your application and infrastructure needs, along with continuous monitoring and proactive resolution of issues. Pure1 is the single place for you to subscribe, monitor, and extend your Evergreen//One subscriptions. Pure1 capabilities include:

- **Predictive intelligence:** Model new applications, existing workloads, and hardware upgrades.
- **Full-stack analytics:** Gain an end-to-end view of the capacity and performance of your entire infrastructure stack up to each virtual machine, reducing mean time to problem resolution.
- **Global end-to-end visibility:** AIOps platform that gives you the ability to monitor, analyze, and optimize your storage infrastructure effortlessly on any device with a clear map of your entire infrastructure from a single dashboard.

## Additional Resources

- Learn more about [Evergreen//One](#).
- Watch the [Evergreen//One video](#).
- Read the IDC Technology Spotlight "[Digital Infrastructure Resiliency Drives Interest in New As-a-Service Cloud Operating Models](#)."

[purestorage.com](https://purestorage.com)

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