

SOLUTION BRIEF

Pure Storage Cloud Dedicated

Support for Amazon Elastic VMware Service

Organizations are rapidly extending VMware environments to the public cloud as part of a hybrid IT strategy. Amazon Elastic VMware Service (EVS) on AWS offers a fast path to run VMware vSphere, vSAN, and NSX on cloud infrastructure—but storage can quickly become a limiting factor. As workloads grow, compute and storage must often be scaled together, leading to unnecessary spend and resource sprawl. Pure Storage® Cloud Dedicated with Amazon EVS delivers a smarter path forward. This customer-managed solution provides independently scalable, enterprise-grade block storage within AWS, optimized for VMware workloads. It empowers organizations to modernize VMware deployments in the cloud while maintaining control over performance, availability, and costs.

About the Solution

Pure Storage Cloud Dedicated provides software-defined block storage built on the same Purity operating system that powers FlashArray™. When deployed alongside Amazon EVS, it provides high-performance, resilient storage that's provisioned and scaled independently of compute resources—enabling right-sized, cost-optimized VMware environments in the cloud.

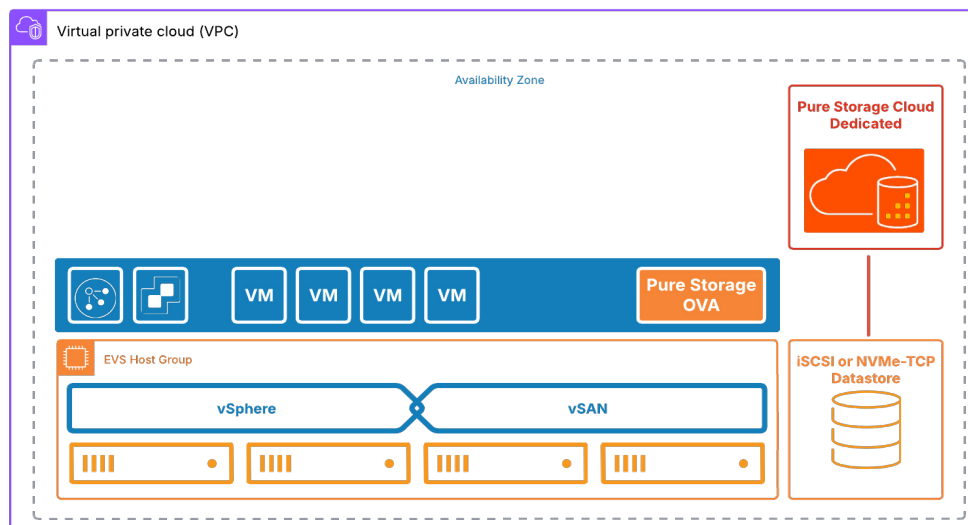


FIGURE 1 Pure Storage Cloud Dedicated connects to Amazon EVS via iSCSI.



Optimize Costs

Reduce overall cost of your EVS deployment. Save on storage to invest in more innovation with AWS.



Powerful VMware Integration

Support for VMFS and VAAI, now in the cloud. Use familiar VMware tools to save time and get up and running quickly.



Seamless Hybrid Management

Built on the same Purity OS with FlashArray on premises, Pure Storage Cloud Dedicated on AWS, and FlashArray for AWS Outposts.

Efficient, Enterprise-grade Storage for EVS

Delivered as a customer-managed service, Pure Storage Cloud Dedicated gives IT teams full control over how storage is configured, integrated, and scaled—while still offering the enterprise-grade features, automation, and efficiency of the Pure Storage platform.

Benefits include:

- **Decouple storage from compute:** Scale only what you need. Avoid overprovisioning EVS nodes by adding capacity through Pure Storage Cloud Dedicated—reducing cost and avoiding node sprawl.
- **Achieve predictable performance:** Built on Purity, Pure Storage Cloud Dedicated delivers consistent low-latency performance with advanced features like multi-AZ deployment via ActiveCluster™ for high availability and fault tolerance.
- **Lower total cost of ownership:** Pure Storage Cloud Dedicated offers industry-leading data reduction through inline deduplication and compression—cutting storage usage by up to five times. Paired with cost savings from independently scalable storage, it reduces overall Amazon EVS costs.
- **Protect and recover with confidence:** Enhance business continuity with enterprise-grade snapshots, replication, and ransomware recovery. Always-on encryption and immutable snapshots strengthen your security posture.
- **Use familiar VMware tools:** Full support for VMware VMFS and Storage APIs for Array Integration (VAAI) means VMware admins can manage storage using the tools they already know—streamlining operations and speeding adoption.

Deployment and Management

Pure Storage Cloud Dedicated can be deployed directly from the AWS Marketplace alongside your Amazon EVS clusters. Once configured, VMware workloads can consume storage through vSphere using familiar tools and workflows—making life easier for both virtualization and storage teams.

VMware VAAI on Pure Storage Cloud Dedicated enhances performance and efficiency by offloading intensive tasks like cloning, zeroing, and space reclamation to the storage array, reducing ESXi host CPU and network load.

With support for VMFS, VAAI, and the Pure Storage vSphere plug-in, you can:

- Snapshot, copy, resize, and delete VMFS datastores
- Recover deleted virtual machines with VM Undelete
- Configure and connect hosts to iSCSI storage using best practices (NVMe/TCP coming soon)
- Monitor VMFS datastore performance and capacity directly in vSphere



Pure1® VM Analytics also provides end-to-end visibility across on-premises and Amazon EVS environments, with collector support available via remote or on-premises deployments.

Pure Storage Cloud Dedicated also supports Pure Fusion™—the Pure Storage intelligent data control plane used for fleet-wide management at scale. Pure Fusion enables centralized management of multiple Pure Storage Cloud Dedicated instances across your environment. With Pure Fusion, you can:

- Manage a fleet of arrays from a single interface
- Provision storage resources across arrays without complex scripting
- Automate deployment using presets and workloads for consistent configurations
- Gain insights into fleet-wide performance and capacity metrics

This integration simplifies operations, enhances scalability, and ensures consistent storage management across your hybrid-cloud infrastructure.

A Fundamental Part of the Pure Storage Platform

Pure Storage Cloud Dedicated is a foundational component of the Pure Storage platform, our solution for reducing risk, removing the uncertainty and complexity of long-term storage planning, and helping transform IT operations to a straightforward, secure, as-a-service platform. It distinguishes itself from traditional storage options by streamlining infrastructure, delivering unmatched reliability, increasing agility, and consistently reducing costs—key advantages that drive IT transformation and enhance business outcomes.

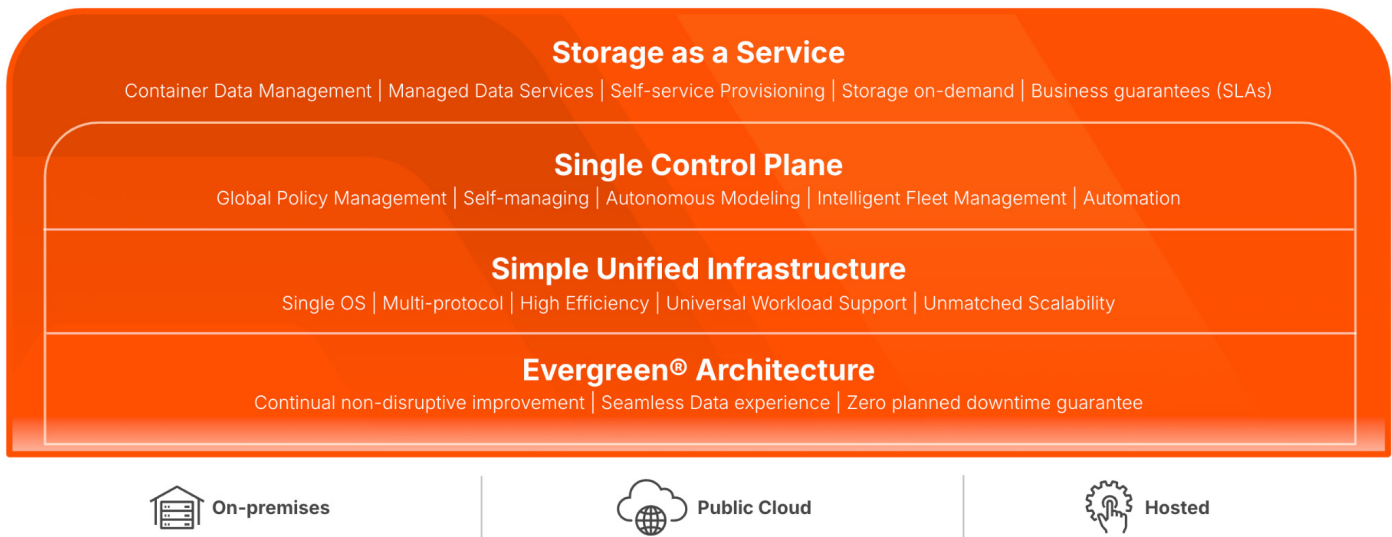


FIGURE 2 The Pure Storage platform provides a simple unified infrastructure for all your storage.



Start Your Cloud Journey with Pure Storage Today

Many organizations are extending into public cloud architectures but may be inhibited by VMware-based workloads because of limited shared storage options for VM datastores.

Pure Storage Cloud Dedicated with EVS unlocks a smarter way to scale your VMware estate into AWS. It combines the enterprise-grade features you trust from Pure Storage with the control and flexibility you need in the cloud—eliminating overprovisioning, enhancing protection, and reducing costs.

Learn more about how Pure Storage can help power your hybrid-cloud strategy on our [solutions webpage](#).

Additional Resources

- Discover more about Pure Storage [cloud systems](#).

purestorage.com

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