

## SOLUTION BRIEF

# Modernize Your VMware Hybrid Cloud

Advance to an effortless, optimized VMware environment.

Hybrid cloud and container adoption are growing rapidly. Whether leveraging vSphere or the full power of VMware Cloud Foundation (VCF), successful enterprise deployments require simple, reliable, and high-performance storage that seamlessly integrates with VMware tools. Together, VMware and Pure Storage® have engineered end-to-end solutions to put your IT teams in a fast lane.

You can reduce management complexity and optimize data center resources running FlashArray™ or FlashStack® for VMware environments. Integrating deep, comprehensive integrations from Pure Storage with VMware automation tools provide flexibility and reduce time to market, without the need for additional devices, software applications, or utilities. Choosing Pure can reduce total cost of ownership (TCO) and further accelerate your hybrid cloud and application-modernization initiatives.

## Simplify Management

Pure FlashArray simplifies storage provisioning and storage management for VMware environments by minimizing configuration touchpoints. Spend less time managing storage with no RAID and storage pools to configure, always-on data reduction, and encryption—all combined with proven 99.9999% uptime and cloud-delivered updates. Always-on Purity quality of service (QoS) provides zero-touch performance optimization enabling you to address tenant limits and noisy neighbor issues.

Deploying FlashStack rapidly on VMware Cloud Foundation with SmartConfig lets you avoid hours to days of downtime with non-disruptive storage updates delivered via the Pure1® cloud and natively manage storage directly within vSphere Client. FlashArray's flexibility and cost-effectiveness provides high-availability without reliance on local data balancing across hosts. You can patch and upgrade hosts more quickly as there is no need to move data to maintain storage compliance. For faster troubleshooting, Pure1 VM Analytics delivers comprehensive performance insights into your entire stack up to the VM level.



### Simplify Management

Focus on innovation while reducing time to provision, easing lifecycle management.



### Optimize Data Center Resources

Eliminate silos with a disaggregated architecture and dramatically reduce storage and compute costs.



### Enhance Data Protection

Meet your most stringent business continuity and disaster-recovery needs.



### Accelerate Application Modernization

Reduce time-to-market by simplifying storage delivery to containerized applications.

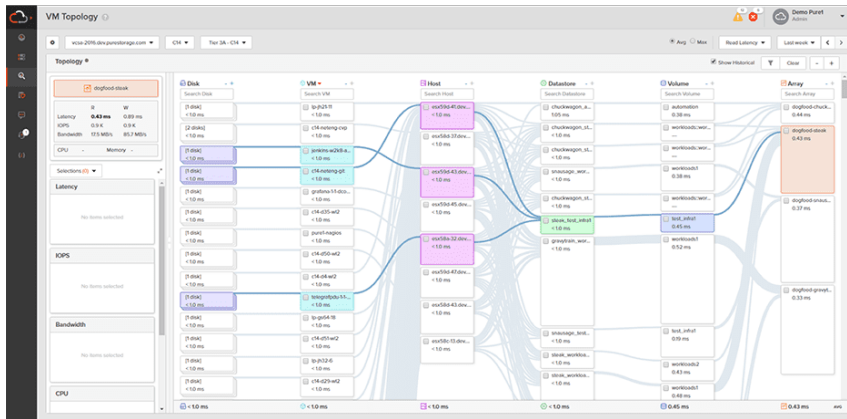


Figure 1. VM topology.

## Optimize Data Center Resources

Pure helps eliminate silos by consolidating workloads on scalable, disaggregated infrastructure. FlashArray and FlashStack break down hardware silos by providing the dynamic, resizable software-defined storage pools required for mixed workloads. FlashArray's differentiated architecture delivers industry-leading data efficiency and high performance 100% NVMe all-flash, enabling you to save significantly on infrastructure costs. Your workloads can now share a single storage platform that's optimized for cost, performance, and availability. Reduce your compute requirements by up to 25% CPU offload and 75% storage needs when you use FlashStack vs. traditional hyperconverged infrastructure based on Pure Storage's internal research and TCO calculations.

Right-size your infrastructure needs with Pure's AI-driven (Meta) workload planner. The planner lets you simulate expected changes to your workload from HW upgrades, new HW purchases, or rebalancing your workloads optimally across your existing fleet and accurately forecasts corresponding changes to your infrastructure.

FlashArray or FlashStack gives you fabric flexibility, enabling you to run VMware environments on Fibre Channel, iSCSI, and next-generation NVMe-oF for the most modern, fast, and ultra-dense consolidation platform.

## Enhance Data Protection

Address business continuity and disaster recovery requirements with Pure's modern portfolio of replication options, all deeply integrated into the VMware environment. Synchronous active-active replication, ActiveCluster™, certified with VMware Metro Storage Cluster (vMSC), provides zero RPO and RTO, the highest level of business continuity. With continuous replication, ActiveDR, certified with VMware Site Recovery Manager (SRM), you get near-zero RPO at virtually any distance for global disaster recovery. Asynchronous replication, certified with VMware SRM, delivers RPO of minutes across any distance.

FlashArray offers complete replication integration with VMware SRM to extend disaster-recovery protection across your distributed private-cloud environments. VMware SRM also supports FlashArray-based replication with Virtual Volumes (vVols). Ensure ransomware protection and fast, flexible, and reliable backup and recovery of virtualized environments with Pure FlashRecover™, powered by Cohesity®, Pure's integrations with leading backup solutions including Veeam, CommVault, Rubrik, Veritas, and Actifio, or via native snapshot management tools built into the Pure Storage Plugin for the vSphere Client or the Pure Storage Plugin for vRealize Orchestrator.

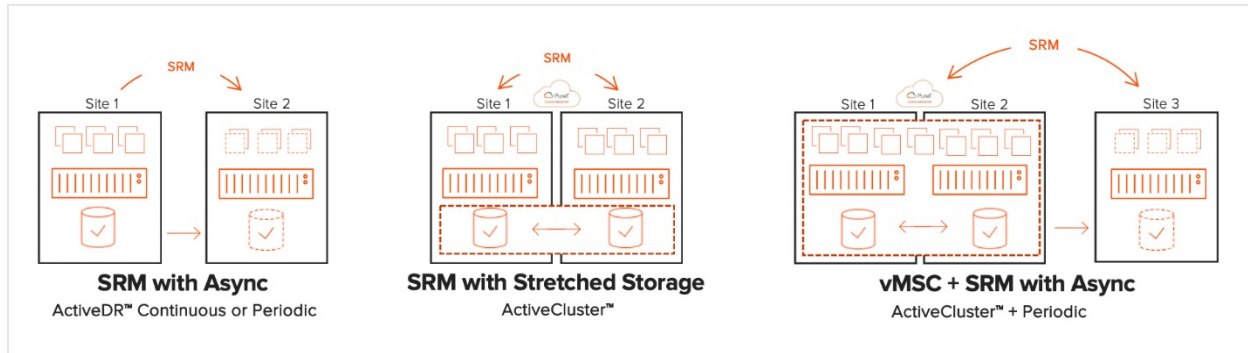


Figure 2. VMware SRM with Pure Storage modern data protection.

## Accelerate Application Modernization

Reduce your time-to-market by simplifying storage delivery for containerized applications across your hybrid cloud with consistent APIs and data services, and unified management and licensing. FlashArray provides persistent storage for containerized applications on-prem as it integrates with VMware Cloud Native Storage (CNS) and Tanzu. You can meet your dynamic containerized workloads on public clouds needs with Pure Service Orchestrator™ and Pure Cloud Block Store™. When you leverage vVols on FlashArray and Pure Cloud Block Store on public cloud to migrate data and applications from on-premises to public-cloud and back, this mobility enables extension of DevTest, disaster recovery, and the ability to burst workloads as needed.

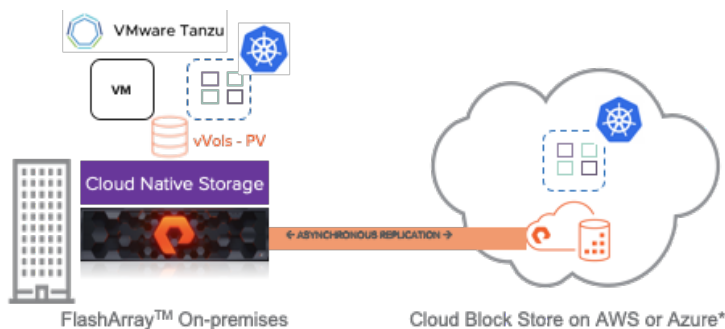


Figure 3. Migrate data from on-premise to public-cloud and back.

## Additional Resources

- Learn more about [how Pure powers VMware environments](#).
- Try [Pure VM Analytics with a free trial](#) to gain insights into your entire infrastructure.
- Discover the [top 10 reasons to use Pure Storage with VMware vVols](#).
- Learn how [Pure Professional Services](#) can help you evaluate and activate Pure solutions more quickly.

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