

## SOLUTION BRIEF

# VMware Site Recovery Manager with Pure Storage

Modernize business continuity and disaster recovery.

In today's digital world, you need core business applications and services to be available 24/7, 365 days per year. And when disaster strikes, you need to minimize disruption. Meet these challenges by combining VMware Site Recovery Manager (SRM) with Pure Storage® FlashArray™ and the Purity operating environment. This integrated solution delivers modern data replication with simple, reliable, and automated orchestration, enabling you to achieve business continuity and disaster recovery with the lowest possible recovery point objectives (RPOs) and recovery time objectives (RTOs).

## Transforming Business Resiliency

Transform business resiliency with VMware SRM and the Purity storage operating environment in Pure FlashArray. VMware continues to expand SRM's capabilities beyond the plan, test, and run recovery of virtual machines between two disparate vCenter Server sites, including support for hybrid cloud environments. VMware Cloud Foundation (VCF) provides an all-encompassing software platform that enables hybrid-cloud capability and is made bullet-proof with SRM and FlashArray. Pure FlashArray is fully integrated with SRM, VCF, and vVols to support zero to near-zero RPO and RTO.

The combined solution eliminates manual operations, automates and orchestrates failover and recovery workflows, and enables you to take advantage of modern data replication techniques that minimize data loss. FlashArray delivers these advantages:

- ActiveCluster: Business continuity with zero RPO / RTO for metro distance protection
- ActiveDR: Continuous replication with near-zero RPO for any-distance disaster recovery
- Automated orchestration of workflows (failover, migration, failback)
- Non-disruptive disaster recovery testing



### Why Pure Storage?

Pure provides simple and flexible business-continuity and disaster recovery options based on native VMware integration and certification. We include all VMware integrations and plug-ins at no extra cost.



### Pure Storage ActiveCluster™

Synchronous active-active metro distance replication provides zero RPO and RTO within <11ms round trip latency.



### Pure Storage ActiveDR™

ActiveDR provides continuous data protection with near-zero RPO across disparate data centers.

# VMware SRM and Pure FlashArray

Expensive infrastructure and complex implementations that require specialized skills can keep you from implementing an effective business continuity and disaster recovery program. VMware's robust SRM software and Pure radically change the game. VMware SRM integration with FlashArray ensures simple and automated recovery of VMs across sites with minimal or no downtime. In addition, the solution centralizes recovery plans for thousands of VMs. Best of all, Pure ActiveCluster and ActiveDR deliver non-disruptive recovery testing, with automated workflows for failover, migration, and failback.

Pure Storage's suite of modern data protection capabilities requires no third site mediation, no extra infrastructure, no extra licenses, nor additional fees, and no more than a few minutes to set up.

## Purity ActiveCluster

Purity ActiveCluster is a [VMware Partner Verified and Supported Product](#) for use with vSphere Metro Storage Cluster (vMSC). This solution enables bidirectional and synchronous replication across two disparate data centers within a metro distance (maximum of 11ms roundtrip latency). ActiveCluster provides active-active VMFS datastore protection for RPO of zero, and automatic failover for RTO of zero. All vSphere hosts can have uniform access to the protected datastore, reading and writing on either side, offering the highest level of application protection and VM placement flexibility. ActiveCluster deploys a cloud-based mediator, keeping management and implementation easy, without requiring a physical third site.

SRM makes support for stretched storage simple, allowing you to non-disruptively test and recover VMs via coordinated cross-vCenter vMotion. For comprehensive protection, you can use SRM and vMSC together to protect VMs with a stretched compute cluster with vSphere HA and ActiveCluster. At the same time, you can protect those same VMs with periodic replication to a distant FlashArray system in a third site in the case of a large-scale disaster.

## Purity ActiveDR

Purity ActiveDR with SRM provides continuous active replication, near-zero RPO, and simple disaster recovery in VMFS environments. ActiveDR is designed to support replication at nearly any distance and latency between arrays, ensuring business resiliency by providing continuous replication that works across almost any distance, without affecting front end application performance.

With single-command failover, intelligent failback, and non-disruptive disaster recovery testing, ActiveDR with SRM accelerates your responsiveness to outages. Simplifying disaster recovery and testing without stopping replication means you can test more often and have more confidence in your business-resilience capabilities.

## Purity Async

Purity Async provides periodic snapshot-based replication for VMFS or vVols environments that don't need extremely low RPOs. Async replication is wire efficient, preserving both compression and deduplication on the wire. Async replication also allows you to maintain extended snapshot retention history on the target array.

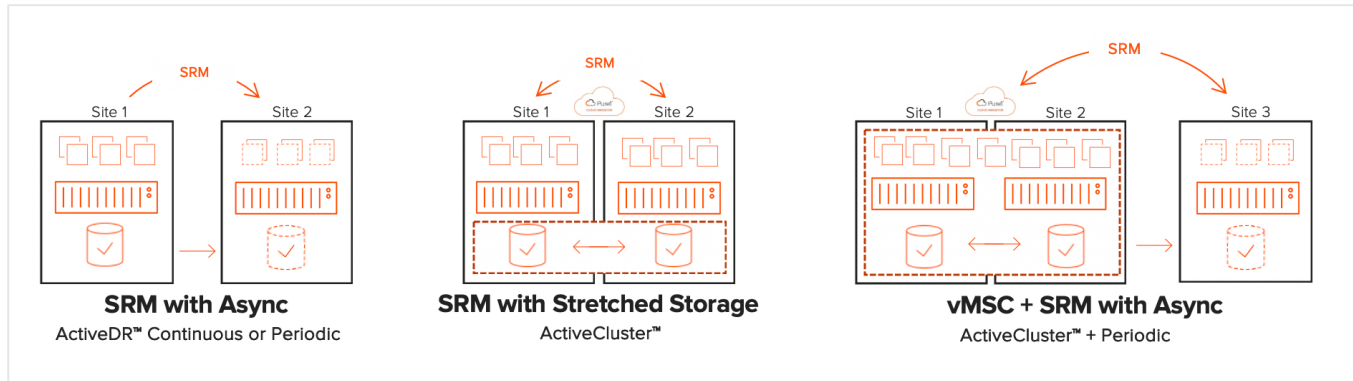


Figure 1. VMware SRM with Pure Storage modern data protection

## Why VMware SRM on Pure Storage FlashArray?

- Automate DR policies and workflows with FlashArray support for VMware APIs and Storage Policy Based Management.
- Easily setup vVols and intuitively leverage vVols on SRM.
- Gain efficient control of individual VMs by easily leveraging per-VM policy-based management with Pure Storage Virtual Volumes (vVols).
- Trust in SRM support certified with FlashArray\*—whether your business requires synchronous/stretched, continuous, or periodic asynchronous replication.
- Take advantage of easy SRM support—Pure includes it with FlashArray at no extra cost.

With the combination of VMware SRM and Pure Storage, you can eliminate or minimize disruptions to mission-critical applications and the data services they provide. Pure Storage provides modern data replication methodologies to meet all your enterprise requirements. Built-in and all-inclusive data replication capabilities mean you can easily meet the requirements of your organization as they change.

## Additional Resources

- Identify which [Pure Storage Business Continuity](#) solution will meet your requirements.
- Explore [Pure Storage and VMware Solutions](#).
- Learn more about [Pure Storage and VMware Cloud Foundation](#).

\* SRM Certification with ActiveDR planned 2H 2020. The development, release, and timing of any features or functionality described for Pure products remain at Pure's sole discretion. The information provided is for informational purposes only and is not a commitment, promise or legal obligation to deliver any material, code or functionality and should not be relied upon in making purchasing decisions or incorporated into any contract.

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