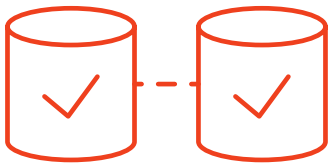
DATA SHEET

Purity ActiveDR™

Achieve continuously active replication with near-zero RPO for simple yet robust disaster recovery.



Superior Data Protection

Continuously streams writes between FlashArray systems, providing a near-zero RPO without impacting front end application performance.

Simple by Design

Consolidates data protection with simplified management and intelligent failback to simplify DR workflows.

Accelerated Business Response

Reduces risk and response time with single command failover and pre-connected hosts at the target site.

No Extras Required

Requires no additional licenses, fees, specialized infrastructure, or bolt-ons. ActiveDR is ready to go when you are.

In an environment of ever-changing threats and disasters, you need better ways to reinforce your defenses. Business leaders and IT teams share a common goal of building a resilient foundation to reduce the risks of service outages and minimize impacts. Pure Storage® FlashArray™ helps optimize your data protection infrastructure with the introduction of ActiveDR in the Purity//FA 6 operating environment. Purity ActiveDR seamlessly protects application data across almost any distance, while minimizing both recovery points and recovery times.

Superior Data Protection

Pure FlashArray is high-performance all-flash storage with proven 99.9999% reliability, non-disruptive upgrades, and a full suite of business continuity and built-in data protection. FlashArray's snapshots provide robust backup and recovery capabilities, and Pure Storage ActiveCluster™ uses active-active synchronous replication to help companies achieve their business continuity requirements.

Pure FlashArray storage further improves business resiliency using continuous data replication with ActiveDR. No extra infrastructure, licenses or fees are required, and set-up takes just a few minutes. Purity ActiveDR seamlessly protects application data across almost any distance, while minimizing both recovery points and recovery times. ActiveDR streamlines disaster recovery with single-command failover, intelligent failback, and non-disruptive disaster recovery testing, to accelerate business responsiveness to outages.

Continuous replication with ActiveDR enables much lower RPOs (Recovery Point Objectives) than traditional array-based replication that periodically performs snapshot-differencing to drive replication. This results in an extremely low RPO, so failing over to a disaster recovery site can be accomplished with minimal data loss. All features are simple to configure, manage and monitor.

Geo-Distance Resiliency

If your organization is serious about data protection, you likely take a “belt and suspenders” approach with multiple safety nets in place to deal rapidly with all kinds of problems. In addition to snapshot backup and recovery tools for resolving data loss within a single data center, enterprises typically implement synchronous mirroring across two data centers in the same campus or city to provide business continuity in case an entire data center goes down.

However, synchronous replication requires you to keep sites relatively close to each other. That’s because latency between sites affects acknowledgement of writes to hosts and applications, and because synchronous replication is dependent on strict network requirements. But what happens if a disaster befalls an entire city or region? Or what if your sites are too far apart to allow synchronous replication? That’s where Purity ActiveDR fits in. Pure designed ActiveDR 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.

Pure FlashArray storage also performs compression on the wire between the arrays, reducing the overall bandwidth required to make replication as efficient as possible. You can deploy ActiveDR between two FlashArray systems for onsite business resiliency within a site or across multiple sites separated by significant distance. A multi-site deployment gives you the advantage of protecting the copy of data in a physically separate and potentially distant location.

Simple by Design

Streamlined Disaster Recovery

Pure built ActiveDR with disaster recovery workflows in mind, as well as the needs of storage administrators to continuously and actively protect application data with the most seamless and simple failover process. ActiveDR enables you to:

- Easily perform workflows such as test failover, real failover, resync and failback.
- Conduct testing failover without stopping replication, while maintaining RPO during DR tests.
- Use intelligent and automatic replication reversal to eliminate risks associated with forgetting to manually reverse replication relationships after a failover event.
- Automatically create non-writable replica volumes at the target site, allowing for pre-connection of hosts and reducing the number of steps required during a failover to help lower RTO.

Simplified Management

Start using ActiveDR with no additional licensing required. Set-up is a snap with four simple steps to configure and be ready to go.

- **Pod replication:** Pods provide a simple management construct to organize data volumes and associated settings into groups. Once you link together pods on separate FlashArray systems via a replica link, data in that pod automatically starts replicating. Gone are the days of manually deciding what should fail over and back together, or manually setting and managing schedules. With pod-based replication, you can make configuration changes inside the source pod. ActiveDR automatically replicates these changes to the target with no additional storage steps required.

- **Continuous change tracking:** Automatically manage changes without the need to provision or monitor journal devices.
- **Single-command failover:** ActiveDR makes it simple to implement, test and manage disaster recovery. This true disaster recovery testing also ensures that any runbook or orchestration steps for the entire environment stay the same during a test or in an actual failover event to minimize risk.
- **Multi-direction replication:** Configure multiple pods in different directions between two FlashArray systems.

Consolidated Data Protection

ActiveDR continuously and actively protects application data and can protect multiple applications with a single integrated protection strategy. Consolidating data protection eliminates the need to manage multiple or disparate products, while providing consistent operations and disaster recovery processes, freeing up your time and resources to address other projects.

Automate Disaster Recovery with VMware Site Recovery Manager

Complementing continuous replication and near-zero RPO offered by ActiveDR, integration with VMware Site Recovery Manager (SRM) enables automation software to orchestrate application recovery and mobility across sites. You can apply automated orchestration workflows to failover, migration, and failback. With SRM, your virtualization admins can centralize recovery plans for thousands of VMs to streamline disaster recovery and perform non-disruptive recovery testing.

Built-In Business Resiliency

With continuous replication, near-zero RPO, and simple disaster recovery, ActiveDR delivers the data protection you need to help ensure business resiliency— no matter what disaster might strike. You need no external hardware or additional software licenses; ActiveDR is included as part of Purity 6.

Evergreen Storage™ from Pure

Pure's Evergreen subscription model includes both hardware refresh and full access to the latest Purity software. ActiveDR is available starting with Purity 6.0. This means no additional licenses or fees are needed. With an active Evergreen subscription, you simply upgrade and are ready to go. Rethink your approach to business resiliency with ActiveDR and Pure Storage.

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