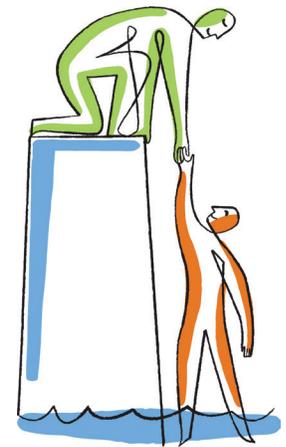




NetApp®



Datasheet

NetApp SnapMirror

Protecting and accelerating your business
with up to 60% lower TCO

KEY BENEFITS

Use a Standardized Multipurpose Replication Solution

NetApp® SnapMirror® software can protect your business with simple, efficient replication for disaster recovery and extend the value of replicated data to accelerate your business.

Reduce Bandwidth Utilization and Storage Footprint

Thin replication and native network compression reduce bandwidth utilization by 70% and reduce storage requirements by up to 90% in virtualized environments.

Increase Availability

Improve application availability with industry-leading selective DR failover points, allowing you to rapidly recover from mirrored corruption.

Reduce Management Overhead

Easily manage replication across different storage array tiers and protocols with the same tool.

The Challenge

Provide instant access to your business critical data

In today's always-on global world, you need to protect and quickly recover your data in the event of damaging natural or human-made events. You also need to maximize investments and get the most out of your IT infrastructure. An effective disaster recovery strategy is vital to prevent your operations from being brought to a standstill, which could result in lost productivity, reputation, and revenue. If you can reuse your DR facility for business intelligence or development and testing, you can turn your DR solution into a business accelerator.

The Solution

Increase availability and speed recovery with NetApp SnapMirror software

NetApp is the recognized leader in array-based replication software.¹ NetApp SnapMirror software is a cost-effective, easy-to-use disaster recovery solution. It replicates data at high speeds over LAN or WAN, providing you with high data availability and fast DR for your business-critical applications, such as Microsoft® Exchange, Microsoft SQL Server®, and Oracle®, in both virtual and traditional environments. When you mirror data to

one or more NetApp storage systems and continually update the mirrored data, your data is kept current and available whenever you need it. No external replication servers are required. In addition, NetApp's industry-leading ability to failover to a specific point in time in the DR copy enables you to quickly recover from mirrored data corruption.

SnapMirror delivers powerful data management capabilities for virtualization, protecting your critical data while providing the flexibility to move data between locations and storage tiers, including cloud service providers. Integration with Citrix, Microsoft, and VMware® technology helps make the benefits of SnapMirror in a physical server environment equally applicable in virtual environments. For example, you can leverage VMware vCenter™ Site Recovery Manager™ for rapid, reliable, and affordable DR. Integration with SnapMirror enables rapid recovery and access to your data through your failed-over virtual machines on the secondary site.

Lower Total Cost of Ownership

With SnapMirror, you can reduce your overall TCO by up to 60% and make it easier to justify the DR investment by putting your DR site to active business

1. Source: IDC, Worldwide Storage Software Qview, June 2014.

“We routinely migrate data among our systems for upgrades, performance, and disaster recovery. NetApp software lets us seamlessly keep large amounts of data in sync across multiple platforms and applications.”

GoDaddy

use. Because our solutions help increase the efficiency of your storage utilization, you no longer need multiple physical copies of data for each business use. NetApp FlexClone® technology enables you to create near-instantaneous, space-efficient copies of data on your DR storage. You can use these copies for multiple business functions without any negative effect on your production system.

Increase Business Value and Versatility

Disaster recovery

Replicate data to one or more NetApp storage systems to minimize downtime costs in case of a primary site failure. Failover and failback can be automated for speed and to reduce human error. Choose the level of recovery point objective (from minutes to hours) that meets your business requirements in either a Fibre Channel or IP network infrastructure. In addition, NetApp facilitates the use of public cloud service providers as an additional option.

Data distribution

It might be array migration at the turn of a lease, moving data from Fibre Channel to SATA storage, consolidation of remote offices, or simply setting up a new location; SnapMirror provides a fast, efficient, and flexible method to move data. If your business is geographically dispersed and all locations need access to the same dataset, such as training videos or CAD tools, you can use SnapMirror to distribute the same data to all locations.

Business intelligence

Running extensive analysis might be critical for the business, but it is hard on the performance of production

networks. With SnapMirror, you can leverage replicated data for running complex analyses.

Faster development and testing

Replicated data can be quickly cloned at the DR site and used in dev/test for accelerated application deployment. Colocation of DR and dev/test environments can significantly improve utilization of DR facilities, and on demand dev/test clones provide as many data copies as needed to get to production faster.

Reduce Network Bandwidth Utilization and Storage Footprint

SnapMirror leverages NetApp Data ONTAP® storage efficiencies by sending only changed blocks over the network. SnapMirror also uses built-in network compression to accelerate data transfers and reduce network bandwidth utilization by up to 70%.

With SnapMirror, you can leverage one thin replication data stream to create a single repository that maintains both the active mirror and prior point-in-time copies. In addition to enabling failover to an earlier point in time (to recover from mirrored corruption), it also eliminates the need for a separate infrastructure for maintaining backups at the DR site. You can therefore reduce DR site storage costs by up to 40% (because there is only one baseline copy for both).

Reduce Management Overhead

You can use NetApp OnCommand® Unified Manager to set up SnapMirror in minutes. It also lets you easily perform administrative tasks such as moving source and destination volumes within

clusters nondisruptively, even while replication is taking place. Choose from a variety of different configurations for your source and destination systems, from multihop cascades to fan-in and fan-out.

You can upgrade to future versions of SnapMirror nondisruptively, even for complex SnapMirror topologies (including bidirectional replication). You don't have to be concerned about source and destination version conflicts, so you can do it at your own pace, without end-user impact.

Partner for Success

When you partner with our Professional Services and Customer Success Services teams, you gain access to our extensive storage expertise, innovative technologies, and best practices. You can accelerate the return on your infrastructure investments and get the most business benefit from them. We respond quickly to your problems, no matter where in the world they occur. And because we have one of the most flexible support programs in the industry, you get just the support you need for your unique IT and business requirements.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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