

# Disk-to-Disk Backup Solution

## Pillar Axiom™ Storage System



### Highlights:

- Delivers the ability to cost-effectively increase capacity and performance
- Provides customizable backup and restore service levels for each application using policy-based management
- Hosts both disk-to-disk and primary storage applications by design
- Offers backup and restoration services both locally and in remote locations

### Backup and Recovery: The Critical Functions of Business Continuity

Business continuity is no longer a luxury for Fortune 1000 companies alone. It has become a business imperative for most organizations. Successful business continuity requires that corporate data is reliably backed up and available to your employees, regardless of external forces. In addition, governmental regulations also mandate specific levels of data backup and restoration, which adds new requirements to corporate data availability.

Together, these conditions require that data administrators build a backup and restore process that is very fast and highly reliable.

### The Challenge – Problematic Tape Solutions

Until recently, IT administrators have relied on tape technology to support data backup and restore needs of key operations. However, tape-only solutions are becoming increasingly problematic for business continuity for several reasons:

- Tape systems cannot complete backups within the backup window available to administrators.
- Tape devices and media inhibit fast restores due to the inherent speed of the tape system.
- A single tape problem can cause a large restore to fail.

### The Solution – Disk-to-Disk Backup Technology

To address these challenges and meet their backup and recovery needs, more enterprises are turning to disk-based backup solutions in conjunction with existing tape technologies. Supplementing your tape backup environment with disk-to-disk backup technologies can deliver several significant benefits:

- Reduce backup window and shrink restoration from days to minutes.
- Provide seamless integration with existing applications.
- Offer simplification of offsite data transfers.

## Backup and Restoration Issues faced by Administrators

## Pillar Axiom System Disk-to-Disk Backup Solution

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### **Backup systems are limited in ability to grow in capacity or performance.**

Many storage systems are designed to be contained within a single enclosure. Once capacity is used, storage administrators must purchase another disk backup system and integrate it into the data shop, increasing the expense of procurement and management.

### **Backup systems can easily grow in capacity or performance.**

The modular design of the Pillar Axiom™ system allows you to augment your systems on the fly as your needs change, dynamically adding capacity and performance.

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### **Ability to provide Quality of Service (QoS) levels for backups and restores.**

Existing solutions simply offer disk pools as a replacement for tape with a “one size fits all” level of service, but no QoS-backed policies for managing backups or restoration.

### **Aligns backups and restores to support priorities of the business.**

By delivering multiple data prioritizations and specific QoS levels on a single storage system, Pillar allows you to establish backup and restoration policies appropriate to each supported application.

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### **Deploy multiple systems for primary and secondary storage.**

End users seeking a disk-to-disk solution must purchase an expensive primary storage system complete with licenses, and a separate disk-to-disk system with separate licensing and maintenance costs.

### **Supports primary and secondary storage on a single platform.**

Because it can simultaneously support service levels for primary storage and disk backup storage, the Pillar Axiom system removes the requirements to purchase multiple systems, licenses, and maintenance contracts to deploy both primary and secondary storage.

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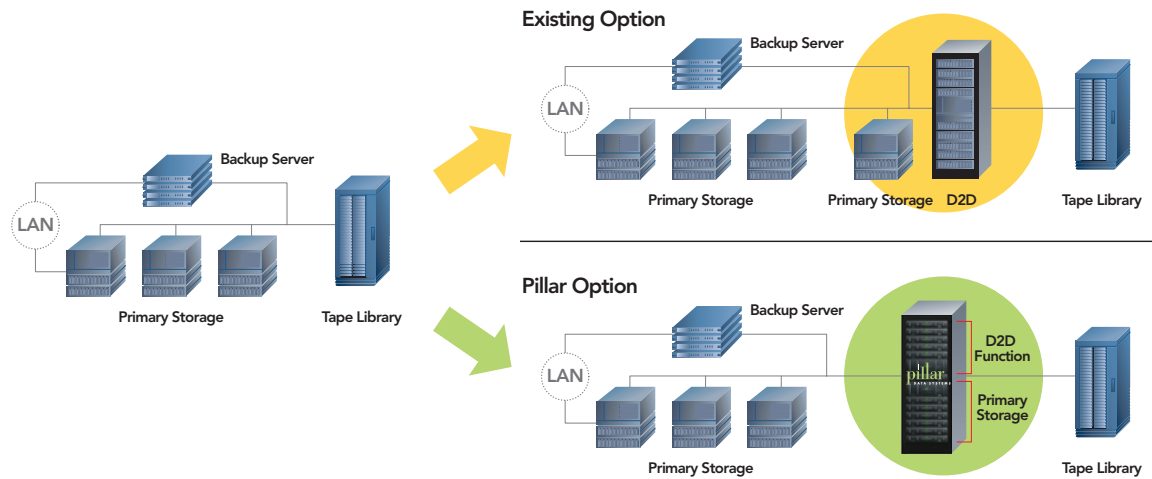
### **Providing remote office data protection.**

Backing up data into a local repository is critical but providing remote data replication has become both a business and legislative requirement.

### **Provides backup and restoration services both locally and to remote locations.**

The Pillar Axiom system consolidates backups from your remote offices into a centralized storage platform, providing reliable backup processes to the entire enterprise.

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Because the Pillar Axiom Storage system can simultaneously support a range of service levels, it can be configured to meet storage requirements for both a primary storage device and a disk-to-disk backup device. Unlike other systems that can be provisioned on a hardware basis only, the Pillar Axiom system can be easily set-up in this way through the Configuration Manager on a policy-basis.

### Pillar Axiom Acts as Two Devices In One

With the Pillar Axiom system, you get two devices in one. With a single device, you get the services of both a primary enterprise-class storage system and a disk-to-disk storage system with one device, one software license, and one maintenance contract. The Pillar Axiom system is a multi-tiered, cost-effective, and modular storage platform designed to dynamically allocate system resources. In addition, Pillar offers high availability for all the data sets it supports. Because it can simultaneously support a range of service levels, the Pillar Axiom system can be configured to meet the storage requirements for both a primary storage device and a disk-to-disk backup device. Unlike other systems which can be provisioned on a hardware basis only, the Pillar Axiom system can be easily set-up in this way through the Configuration Manager on a policy-basis.

### Summary

To meet today's business challenges for a more efficient and cost-effective backup and recovery system, companies must integrate disk-to-disk backup technologies into existing tape infrastructures.

The Pillar Axiom Storage system provides you with a single, consolidated pool of storage assets that can be simply deployed and dynamically redeployed to meet your changing requirements. This minimizes initial capital investments, simplifies capacity planning and ongoing storage management tasks, and enhances your ability to quickly react to change. Pillar Axiom System disk-to-disk backup solution delivers measurable increases in data protection, availability, and recovery for your business.

Pillar Data Systems takes a sensible, customer-centric approach to networked storage. We started with a simple, yet powerful idea: Build a successful storage company by creating value that others had promised, but never produced. At Pillar, we're on a mission to deliver the most cost-effective, highly available networked storage solutions on the market. We build reliable, flexible solutions that, for the first time, seamlessly unite SAN with NAS and enable multiple tiers of storage on a single platform. In the end, we created an entirely new class of storage. [www.pillardata.com](http://www.pillardata.com)

