

Pillar Data Systems Disaster Recovery Solutions for COOP Planning



Highlights:

- The Pillar Disaster Recovery (DR) solution helps federal agencies address COOP preparedness as mandated by Presidential Directives
- It reduces the initial cost of DR deployment and provides low operational cost of management and scalability
- Pillar DR establishes a dynamic DR site:
 - Supports multiple secondary-storage functions to optimize utility of storage resources at remote site
 - Provides DR services for both block and file applications
 - Works with all major vendor primary storage arrays; supports multiple firmware and software interfaces
- Pillar DR enables cost-effective easy growth of DR sites

The Challenge:

Meet Continuity of Operations Planning Requirements within Constrained Budgets

The urgent need for robust business continuity has become a top-of-mind concern in the last five years. New federal legislation and directives requiring the design and deployment of critical IT and telephony infrastructures with inherent capabilities to remain operational regardless of external events are placing significant pressure on IT staffs to deploy robust disaster recovery solutions. The threats of major disasters and emergencies are driving the need to protect IT assets and ensure their availability according to the Recovery Point Objective (RPO) and Recovery Time Objective (RTO) defined for each application and data set.

Continuity of Operations (COOP) planning is a fundamental element of IT planning within all branches of the Federal government. There is renewed awareness of the need for COOP capabilities that enable agencies to continue mission-critical functions during a broad spectrum of emergencies and disruptions. Data protection as part of a Disaster Recovery (DR) plan is central to an overall business continuity strategy. Should a data center site fail, the agency must have secondary systems in place for active failover and rapid restores. The secondary site may be a mirrored data center or an offsite data storage facility.

Demand for COOP-mandated disaster recovery solutions is growing alongside data storage capacity requirements. Exponential growth in storage is driven by number of users, longer data retention periods, and data-rich applications. The underlying challenge is to implement a scalable, budget-conscious data storage system that meets disaster recovery objectives.

The Solution:

Meet COOP Requirements with Cost-Effective, Dynamic Disaster Recovery Solutions from Pillar Data Systems

Pillar Data Systems™ provides relief to IT staffs responsible for implementing or in-sourcing DR projects. The Pillar approach is especially effective for Federal agencies facing a significant number of Presidential and Congressional COOP mandates. Its cost-effective DR solutions enable deployment of DR solutions with dynamic functionality and ready expandability at the remote site. The enterprise-class, cost-effective Pillar Axiom™ storage system is built with SATA disks, off-the-shelf components, and a single software licensing model. Its flexible architecture delivers dynamic functionality for optimal storage resource utilization at allows at the remote site (Table 1).

Challenge	Solution
Agencies seek to control and reduce costs of DR deployments	<ul style="list-style-type: none"> ▪ Axiom off-the-shelf parts and SATA disks deliver low DR acquisition costs ▪ Single-instance software licensing enables low ongoing management costs ▪ One Axiom can replace multiple expensive storage systems at remote sites
Agencies seek dynamic IT environments with functions shared across common resources	<ul style="list-style-type: none"> ▪ Users can optimize remote site storage resources with the Pillar solution for DR plus other secondary apps ▪ Supports DR for NAS and SAN in a single system ▪ Heterogeneous support provides broad datacenter DR coverage for all major primary disk and storage systems
End users expect protected data sets to grow significantly	<ul style="list-style-type: none"> ▪ The Axiom scales to 320 TB useable capacity ▪ Capacity scales easily by adding Brick storage enclosure units ▪ Performance scales easily by adding Slammer data movers
End users have a variety of RPO and RTO objectives for their DR datasets	<ul style="list-style-type: none"> ▪ AxiomONE operating system software enables different priority settings that align with application criticality ▪ AVR has multiple RPO offerings, including Continuous Data Protection (CDP) ▪ AFR has a policy engine for prioritizing replicated data sets

Table 1: Pillar Meets Disaster Recovery Challenges

Pillar DR solutions include three modules:

The Pillar Axiom 500 storage system hosts all data tiers on a single platform, with a single management interface, under a single software license. An integrated platform means:

- Flexible deployment and redeployment of storage to satisfy the immediate needs of your business
- Quick, easy access to archived data
- Simpler management needing fewer resources, reducing total cost of ownership

For more information on the Pillar Axiom 500: www.pillardata.com/axiom

Axiom File Replicator (AFR) delivers a state-of-the-art remote replication solution for file-based data on the Pillar Axiom and heterogeneous storage environments. The AFR can manage and move any file data from any storage location on NAS storage or exposed through server filesystems on top of DAS or SAN storage.

For more information on AFR: www.pillardata.com/afr

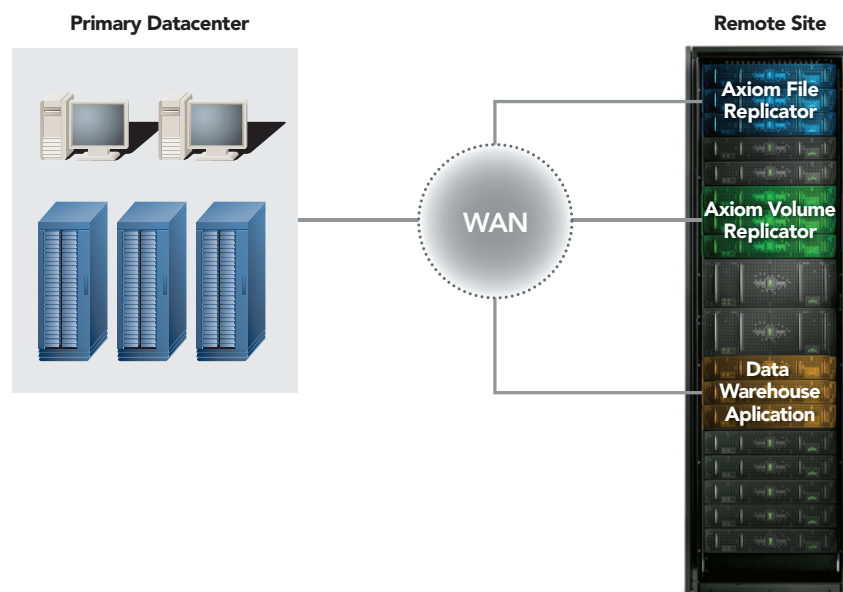
Axiom Volume Replicator (AVR) delivers state-of-the-art volume replication (block-level) and continuous data protection (CDP) for SAN environments. The AVR is a second-generation, enterprise-class homogeneous and heterogeneous replication solution that offers any-point-in-time recovery and complete protection from site disasters, guaranteeing no data loss and enabling RTOs in minutes.

For more information on AVR: www.pillardata.com/avr

Axiom DR solution for COOP Planning

The Pillar Disaster Recovery solution provides file-based replication through the AFR, block-based replication through the AVR, and a data-warehousing application to sift through databases held at remote site.

These multiple functionalities optimize data usage and storage resources at the DR site, justifying an initial DR system purchase.



For More Information:

Visit www.pillardata.com or call 1.877.252.3706.

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

