



# K B X 4 0 0 0 O V E R V I E W

## New Product Brief: Kashya KBX4000

Data protection technologies have basically remained unchanged for the last twenty years. Within the long distance replication segment of data protection, the gaping disparity between what has been available and what is needed is also closing with new products such as Kashya's KBX4000 data protection appliance. Kashya has a unique technology that delivers an order of magnitude improvement in the reliability, cost and performance of data protection for the enterprise. The *KBX4000*<sup>TM</sup> addresses the need for high performance, reliable and cost-effective disaster recovery replication across remote locations with no distance limitation or impact on business applications. Developed from the ground up with a completely new approach, Kashya's unique product is designed to deliver superior data protection at a fraction of the total cost of existing solutions. *KBX4000*<sup>TM</sup> provides bi-directional data replication over standard IP networks and across any distance for heterogeneous storage and server environments

### KBX4000 Overview

The Kashya KBX4000 is an end-to-end solution for enterprise data replication that leverages advanced algorithms to intelligently manage data and bandwidth in order to deliver guaranteed consistent replicas of business-critical data in the event of any possible failure or disaster, even with data that spans multiple heterogeneous storage and servers. Data is also protected against corruption by providing the capability to recover to any point in time following a rolling disaster that could cause data corruption.

The Kashya appliance monitors SAN and WAN activity continuously and dynamically adapts its replication mode based on SAN and WAN conditions and the application workload to achieve the stated business objectives for each application. This greatly simplifies data and disaster recovery management for complex and heterogeneous environments.

A key element of the Kashya design is the recognition that all enterprise data is not of equal value and different data sets require different levels of data protection and replication frequency. The built-in flexibility of the KBX4000 offers a full spectrum of replication modes from synchronous, to asynchronous, to small aperture-snapshot, to point-in-time. Users can easily define different levels of protection based on application and business requirements by selecting desired Recovery Point Objective (Maximum Lag) and Bandwidth Policies.

The Kashya KBX4000 employs intelligent technologies that deliver unprecedented reduction in bandwidth requirements, enabling the system to

provide the best possible level of protection for the available bandwidth, while dramatically reducing WAN costs. Data reduction is achieved through application-aware and storage-aware algorithmic techniques that conserve bandwidth to the extent not possible with traditional compression technologies.

In addition to dramatically lowering bandwidth costs for out-of-region replication, Kashya delivers a broad range of other cost reductions, including eliminating the need for expensive edge connect and protocol converter devices; the ability to use existing data centers as secondary sites, thereby reducing associated expenses of creating a new remote replication site; reduced software, hardware and operational costs; and significant reductions in management and implementation expenses based on the ease of use of the Kashya appliance. Additionally, storage systems at the primary and secondary sites do not have to be the same, offering the flexibility to deploy lower-cost storage or to leverage existing storage and minimize storage costs.

