



Flexible and Easy to Use

StoneFly's Comprehensive Data Continuity (CDC) service integrates with StoneFly Storage Concentrators and enables administrators to replicate volumes to a secure StoneFly datacenter. In case of local hardware failure, data loss, or natural disaster the remote volumes can be mounted for immediate use, or used to

restore data at the local site. By leveraging the built-in snapshot capabilities of the StoneFusion OS, the CDC service can be used for any volume managed by the StoneFly Concentrator. Even databases and open documents are replicated seamlessly to the remote location.

Simple Deployment and Seamless Compatibility

For large datasets or low-bandwidth network links,

COMPREHENSIVE DATA CONTINUITY SERVICE AT-A-GLANCE
Comprehensive Data Continuity (CDC) is a new StoneFly service that interfaces with SAN infrastructure to provide geographic redundancy for stored data. In case of critical failure in local infrastructure, the CDC service acts to ensure seamless data continuity and a quick return to normal operation. Sophisticated synchronization and recovery techniques allow businesses to meet specific recovery point and recovery time objectives. The CDC service is also versatile enough replace many traditional backup functions at a net cost savings, while protecting business operations in case disaster strikes.

the initial dataset can be mirrored to an on-site feeder appliance, which is then shipped back and integrated into the remote environment. Further data changes are replicated seamlessly over the network. In fact, even the largest files can be protected thanks to the block-level delta change technology in the StoneFusion OS. Only changed blocks need to be replicated to maintain full synchronization between local and remote sites.

Painless Scheduling

Scheduling can be used to maintain hourly, daily, weekly, and monthly revisions of data, ensuring that the CDC service will meet a short recovery point objective (RPO). Historical revisions can be retained indefinitely, for recovery or compliance purposes.

Quick Recovery

In case of any loss of access to data at the local site, customers can gain immediate control of their volumes at the remote location. This enables administrators to quickly redirect application servers to the volumes, or begin the appropriate restore or recovery process.

RECOVERY OPTIONS
Live volume access
Network-based reverse replication
Recovery appliance shipped to local facility
Export to any media format

A multi-layered recovery approach is also possible, where critical volumes are brought online for immediate



CDC FACILITY OVERVIEW

Over 200TB of Online Capacity
Dedicated 10Gb Multi-homed Network Connectivity
Emergency Power Supply from 10 2.1μW Generators
88 HVAC 30-Ton CRAC Units and Six 800-Ton Cooling Towers
24" Concrete Core Raised Floor with Seismic Pedastals
24/7 Monitoring By On-site StoneFly Personnel

access, and less important volumes are replicated back to the local site over time. With the flexibility of the CDC service, StoneFly can meet recovery time objective (RTO) that you have set for any aspect of your business.

CDC Lowers Costs and Risk

With CDC, businesses no longer need to choose between short-term cost-savings and long-term data continuity and disaster planning. Implementing a data continuity plan using the CDC service can in fact reduce costs by achieving a simpler solution to existing data protection problems, while mitigating compelling risks to survival.

CDC SERVICE SUMMARY

Seamlessly integrates into existing storage and network infrastructure
Bandwidth utilization is minimized via efficient transmission of only changed data
StoneFly CDC Service is located in a secure, top-tier datacenter
Replica data is mirrored across multiple StoneFly SANs for availability
Synchronization and recovery techniques support datasets from 5GB to 50TB
Replicated volumes are available for immediate use in case of failure
Bandwidth up to 1Gbit sustained speeds for replication, restore, and access operations
Low-bandwidth subscribers can achieve effective restores using CDC recovery appliances
Data is encrypted before transmission over the WAN



Intelligent IP SANs Made Simple

OptiSAN Product Overview

THE STONEFLY ADVANTAGE

StoneFly is one of the earliest vendors in the iSCSI space, designing its product during the first wave of iSCSI. As a result, StoneFly customers have been deploying StoneFusion based solutions since 2002. The StoneFusion powered IP SANs offer key features including active/active clustering, storage virtualization, snapshots, and asynchronous and synchronous mirroring. StoneFly solutions are cost-effective, and offer a range of deployment options to fit every deployment.

SOLUTIONS

StoneFly's cost-effective IP SANs are integral to storage consolidation efforts, server virtualization implementations, email archiving initiatives, layered disaster recovery, and business continuity planning.

AFFILIATIONS AND PARTNERS

StoneFly is a member of the Storage Networking Industry Association [SNIA] and the IP Storage Forum sub-committee. StoneFly partners with industry leaders including Intel, Microsoft, VMware, Xen Source, Sun Microsystems, emBoot, and Qlogic.

About StoneFly

StoneFly, Inc., headquartered in San Diego, was founded in April 2000 to deliver upon the vision of simple and affordable storage optimization and disaster recovery protection through its pioneering IP SAN solutions. In 2006, DNF completed its acquisition of StoneFly Networks and StoneFly is a wholly-owned subsidiary of Dynamic Network Factory, Inc. (dba DNF Storage), a leading maker of high-performance network attached storage, storage area networks, RAID and iSCSI systems. Founded in 1989, DNF Storage is a privately-held company based in the Silicon Valley (Hayward, CA). DNF started as a U.S. subsidiary of the publicly-traded Japanese IT conglomerate, CSK Electronics, in 1989. In 1998, the company refined its strategy and began to focus the hardware group on storage solutions. Within a year, DNF's rapid growth resulted in its emergence as an independent, privately held spin-off. Since its inception, DNF has designed custom solutions for organizations of all sizes and built products for many major computer manufacturers. DNF has thousands of customers ranging from consumers and small-to-medium businesses, to government agencies, universities, hospitals, financial institutions and Fortune 500 companies. Key customers include UC Berkeley, MIT, the Federal Aviation Administration, FBI, Lockheed Martin, Bank of America, Citibank, Wells Fargo, Fujitsu, Honda Corporation of America, SBC, BAE Systems, and General Dynamics.



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