

## StorTrends Solutions for Data Protection

StorTrends was developed with the primary goal of providing customers with high performance storage with solidified data protection. Created by the same engineering team that was responsible for revolutionizing the RAID controller industry, StorTrends provides redundancy without compromise.

Data Protection is the centerpiece for any centralized storage solution and StorTrends has the benefits and feature set to give customers the peace of mind they need knowing their data is safe, available and recoverable.

### RAID-RT™

Performance RAID is the building block of data storage. RAID-RT™ builds a robust architecture around a high-performance RAID core with innovative implementation and optimal utilization of high-end features. RAID-RT™ far outweighs Hardware RAID controllers in a multitude of areas such as hardware acceleration, I/O cache handling and RAID clustering support.

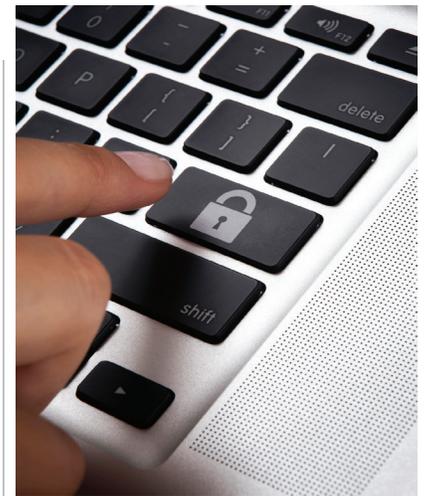
### SnapTrends

Scheduling point-in-time snapshots is simple with SnapTrends. StorTrends users can choose up to 8 levels of snapshot scheduling. Captures can be made by the minute, hour, day, month, year or a combination of the various allotted times. This gives resiliency to user data and accurate backup points for recovery if needed. Snapshots can be mounted without disrupting I/O, tested, made writeable to run applications on and, if the worst happens, can be rolled back in milliseconds.

StorTrends was architected with performance in mind when developing the snapshot feature. While other companies use space gobbling and performance hindering snapshots, StorTrends uses ROW (Redirect on Write) snapshots to save space, maintain high performance and take snapshots instantly. SnapTrends includes a visual snapshot UI and recovery wizard for live snapshot review and rollback. StorTrends' features allow users the ability to create, manage and use snapshots like it is second nature.

### Advanced Replication

Snapshot Assisted Replication (SAR) includes industry leading technology for advanced data replication. The same snapshots that are taken to provide recovery points on the primary storage are replicated to a secondary StorTrends appliance quickly and efficiently. StorTrends snapshots maintain only the changes in primary data (known as deltas), so when we replicate that data, we reduce the amount of data that needs to be sent over the LAN or WAN. To further improve on the WAN-efficient replication, StorTrends SAR also includes Compression, Deduplication, Encryption and an industry defining WAN Optimization engine to send the data to the secondary site quickly.



### Key Benefits:

- Avoid data loss and data corruption
- Protect against local disasters with replication
- Auto schedule snapshots to the minute for continuous data protection

*"The StorTrends array and JBOD represent the cornerstone of our global storage solution. StorTrends may not manage the most data, but it surely manages our most important data. I think that's a testament to trust in StorTrends and AMI."*

- David Sindell, Systems Engineer,  
The Annenberg Foundation

Having the option to set replication for specific timeframes will ensure that the process will not consume all bandwidth during peak business hours. This will keep the data flow consistent for applications and users. StorTrends allows our customers to keep RTO and RPO within reach.

StorTrends can also replicate between all of the models. Other companies only replicate between the same machines and require a secondary site to have the same primary site functionality and cost. StorTrends realizes that redundancy in data is more important than redundancy in cost. StorTrends customers can utilize high end dual controller machines with SSD technology to provide exceptional performance to the most IO intensive applications at a primary site. Users can do this by operating a cost effective single controller or a tamer dual controller unit with spinning drives at the secondary to maintain an off-site copy of data. Many customers budget for the centralized storage but the DR site is an afterthought. StorTrends has options that do not force a decision between primary only and secondary later. The implementations of primary and secondary storage strategy will assertively back up data and protect against local disasters.

## Data Archiving

StorTrends advanced replication features can also be extended to the disaster recovery site. StorTrends reduces the amount of data in transit and improves upon the link transfer rates. StorTrends appliances can also store the data compressed and deduped to reduce the amount of storage space required at the secondary site. A way to keep costs low is by reducing the amount of storage capacity required in the secondary location.

StorTrends customers utilize data protection features every day in every install. From the disk level RAID protection, to sending the data across America or across the world, StorTrends is responsible for keeping our customers' data safe and available. Today more than 1,100 installations prove that customers trust their data with StorTrends.

"The StorTrends ManageTrends GUI is absolutely the best GUI I've seen. It's ridiculously easy to use."

- Matt Berry, VP of IT, First Option Mortgage

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