

## StorTrends Solutions for VDI

VDI is the latest target trend for a company to become increasingly efficient. With a single upfront cost, the company can take away the increased costs in PC management with fewer software upgrades, cheaper hardware replacement and more simplistic end-user setups.

The IO and space requirements of computer storage appliances were posed as previous limitations because of cost and the required rack space. For a majority of VDI deployments this is now handled through the use of hybrid storage arrays and their capability of simultaneous SSD and hard disk drive access. This instantaneous access maximizes the performance of IO with SSD and the space efficiency of hard disk drives giving a reasonable cost for the previous bottleneck of a VDI environment. It has been proven that an all flash array is not necessary because 90 percent of SME deployments only require 50,000 IOPS. StorTrends offers a hybrid storage array that is able to achieve over 100,000 IOPS. StorTrends is determined to satisfy every type of customer and by understanding deployment requirements and the technology behind future storage will ensure reliability and affordability.

### The VDI Solution

The latest technology in the StorTrends product line gives the protection, performance, efficiency, capacity and affordability that companies require to implement or upgrade their VDI infrastructure.

- Data **protection** starts with fully redundant hardware and finishes with near-zero performance degradation snapshots and simplistic replication with integrated Wide-area Data Services. These features reduce the data that is being replicated while also fully optimizing the medium that it is being sent through. Together StorTrends snapshots and replication enhance your overall performance while increasing the RPO on the DR site as much as possible.
- StorTrends gives the best **performance** for a hybrid storage solution by reducing snapshot overhead, avoiding inline compression overhead, providing volume QoS and simultaneous caching and tiering. Inline compression is proficient at space savings. At a normal 20 percent rate ROI is hard to value with hard drives as inexpensive prices. StorTrends benefits from the advantages of both caching and tiering. VDI, Databases and any mixed environment can easily achieve zero-write misses through StorTrends caching and ensure high performance availability through StorTrends SSD tiering.
- **Efficiency** is eliminating waste. StorTrends volume QoS gives the user the ability to maximize the high performance disks for high performance volumes. Volumes can simply be selected to have SSD caching and/or configured to be a percentage of an SSD tier. Backup or other high sequential volumes can be alternately set to reside on the slower larger capacity hard drives. More efficiency is derived through dual-controller redundancy by reducing power overhead of spinning drives, as well as StorTrends Workflow Management. By watching



### Key Benefits:

- Reduce PC cost per user
- Lower IT support expenses
- Increase user security

*“StorTrends had literally every single feature I was looking for: tiered storage, data dedupe and archiving, innovative data replication and WAN optimization - everything. And when I saw the GUI and how easy it was to use, I knew I had to take a further look.”*

- Tim Robinson, UofMaryland DOTS  
IT Coordinator and Systems Administrator

all I/O on the system ensures that background activities such as Auto-tiering demote blocks during off-peak hours.

- American MegaTrends, Inc. has always been focused on giving the customer the latest technology at the most **affordable** prices. From AMI BIOS, MegaRAID, MegaRAC and now StorTrends there has and will always be a very competitive price and technology value given to the customer. The all-inclusive StorTrends pricing model has been created to be a real and an honest guide for purchasing our data storage products.

“The StorTrends solutions at First Option Mortgage have been a very good investment. The StorTrends SANs do exactly as promised. For the money and ease of use, StorTrends is a real value.”

- Matt Berry, VP of IT, First Option Mortgage

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