

TimeScale[®] Copy Software

Efficient copy, swap, and mirror

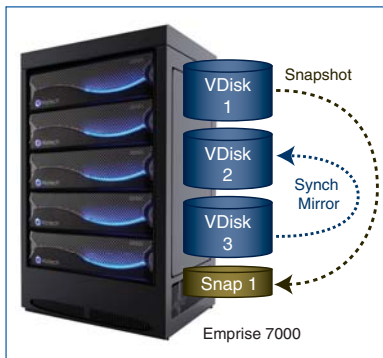
For Xiotech's Emprise[™] 7000 and Magnitude 3D[®]
storage systems



What Are Your Challenges

when it comes to storage management? Changing RAID levels? Upgrading software? Backing up data? Traditionally, these critical tasks have consumed a lot of time, required extensive expertise, and forced your storage systems to be offline. This is no longer acceptable in today's economy, which requires systems to be always on and organizations to do more with less.

The Solution: TimeScale Copy



TimeScale Copy creates point-in-time VDisk copies, mirrors, and snapshots within an Emprise 7000 or Magnitude 3D 4000 storage system.

TimeScale Copy eliminates the planned downtime and complexity traditionally associated with many storage management tasks. With TimeScale Copy, you can dynamically copy, mirror, and swap storage volumes (virtual disks or VDIs), and create space-efficient snapshots, within an Emprise 7000 or

Magnitude 3D storage system—without disturbing end users or applications. Xiotech's ICON Manager—the easiest storage management interface available today—makes performing these powerful functions amazingly simple and fast.

TimeScale Copy Highlights

- **Copy:** Replicates one VDisk (source) to another (target) at the fast rate of 3-6 gigabytes a minute. During the process, the source VDisk remains online and accessible to end users. Following the copy operation, you will have an exact, point-in-time copy of the source VDisk.
- **Copy/Swap:** Automatically “swaps” the source and target VDIs once the copy operation is complete. Server I/Os are then directed to the target VDisk, which can have completely different characteristics (e.g., capacity, RAID level, physical disk striping) than the source VDisk.
- **Mirror:** Creates a synchronous mirror from the source VDisk to the target VDisk. You can pause the mirror to temporarily stop the process and create a point-in-time copy of the source VDisk. When you resume the mirror, only new or changed source data must be sent to the target VDisk to resynchronize the mirror—saving you valuable time. You also can break the mirror to create two discrete, independently accessible volumes.
- **Snapshot:** Performs space-efficient, point-in-time sparse or full image replication. Each read/write snapshot appears similar to a VDisk, but merely contains a pointer to the source data that is either on a VDisk or in the Snap Pool, which holds source data that has changed since the snapshot was taken. You can copy and mirror snapshots to local or remote VDIs, and convert snapshots to complete point-in-time VDIs.