

Synchronous Mirroring

Data protection, easy data migration

What is iglu blaze?

X-IO's worry-free iglu blaze SAN storage uses the world's most reliable storage foundation, the Intelligent Storage Element, in order to provide an unrivaled balance of cost, risk, and performance. It provides operational simplicity and can be uniquely adapted to the world of Software Defined Storage at no additional cost.

This modular SAN solution leverages a distributed controller architecture that linearly adds consistent high performance and reliability, even at 100% capacity utilization. iglu blaze deeply integrates with a wide variety of operating systems and hypervisors and provides the industry's lowest total cost of ownership, backed by a standard 5-year warranty.

What is synchronous mirroring?

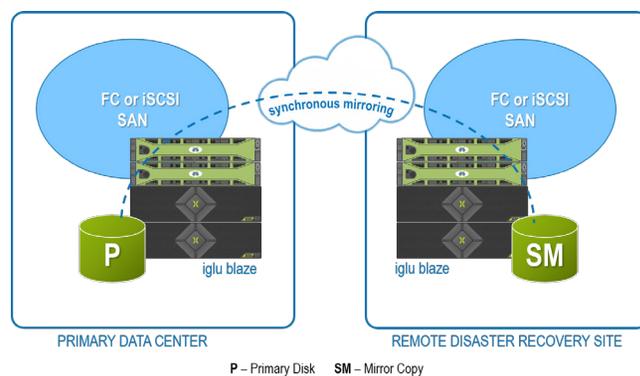
X-IO synchronous mirroring technology works with X-IO iglu blaze to provide block-level data mirroring. With a few mouse clicks, data can be synchronized to a second storage device independent of the servers involved. There is no need for system-specific host-based tools.

How synchronous mirroring works

Once the mirror is online, all future data is written simultaneously to both the primary volume and the mirror. Built-in, tunable mirror monitoring continually checks for latency in write speed between both sides of the mirror. If latency becomes too high, the mirroring process will automatically suspend to minimize impact to the production server. The mirror will then re-synch as soon as possible. By committing data writes to separate iglu blaze systems, mirroring protects your data all the way down to the ISE and also benefits from the data integrity and matrixed RAID reliability provided by the ISE.

Data Protection

X-IO synchronous mirroring functions as an easy-to-use data migration tool. For example, if a particular storage array is going to be decommissioned in favor of a newer, faster ISE, synchronous mirroring can mirror the data from the old device to the new one with no application downtime. When the mirrors are synchronized, a mirror "swap" is performed, designating the new device as the primary storage. The mirror can then be removed, leaving the applications running on the new storage device.



User case study

Over an 83-day period, an organization replicated data changes that took up 1.2 TB of capacity per day. However, the X-IO solution removed 1 TB of redundant data on a daily basis for a remarkable 84% savings in WAN bandwidth and storage requirements. If the firm's staff members were to copy all the data changes made at the file system level, it would have taken 68 hours to replicate each days worth of data, an unworkable situation. X-IO iglu blaze would reduce the firm's daily replication time from 68 hours to 10.7 hours and save \$600,000 annually in WAN costs.