

INTEGRATED DATA PROTECTION

- Zero data loss, high availability architecture with hot-swappable components and non-disruptive upgradability
- Synchronous mirroring with zero data loss
- Stretch cluster with transparent application failover between sites
- Application consistent snapshots provide space efficient snapshots for Oracle, SQL Server, VMware, and more

Multi-Level Data Protection for Flash Storage

Conquering the Inevitable

With proven performance advantages and vastly improved economics, flash-based storage is the clear choice for today's primary storage applications. The key to successfully deploying flash storage is adequate data protection. Without it, data corruption, hardware failure or worse can undermine every other flash storage benefit.

Enterprise-grade all flash storage solutions must assure any-circumstance availability throughout the corporate infrastructure. VIOLIN All Flash Arrays meet this need by providing:

- An enterprise class, no single point of failure, high availability design
- The ability to meet up to zero recovery point objectives (RPOs) and zero recovery time objectives (RTOs) throughout a network, including remote sites
- Integrated functionality without the need for additional hardware or complexity
- Cost savings that meet the needs of today's efficiency-oriented budgets

Full-Spectrum Protection through a Single Pane of Glass

VIOLIN provides a broad range of data protection: a zero data loss high availability architecture, synchronous mirroring, and stretch clusters. All of which are delivered as integrated components of the flash product family. Options ranging from zero RPO and RTO solutions to fully redundant zero downtime hardware enable customers to align the level of protection with business requirements.

The complete suite of data protection features comes fully integrated with the all flash array as part of the operating system. VIOLIN's management suite features a single user interface with visibility across the entire storage ecosystem, even in complex infrastructures spanning multiple data centers connected over great distances.

Zero Data Loss High Availability Architecture

VIOLIN provides baseline data protection for every enterprise. Features include all hot-swappable components in a purpose-built architecture with no single point of failure, and non-disruptive hardware and software upgrade capabilities. These enable zero data loss within the all flash array, and free administrators to add the backup and recovery technology of their choice. This level of data protection is delivered as part of every array and is ideal for businesses that are not constrained by the need to maintain mission-critical application availability.

Synchronous Mirroring

For organizations seeking business continuity, synchronous mirroring adds disaster avoidance with application failover to a DR site, and the ability to roll back operations to any point in time. Consistency checks show the exact point in time of each validated copy operation. With that guarantee, an administrator can spin up an image from a specific point in time and know that it is consistent with local operations and that the data has not been corrupted.

Stretch Cluster

Stretch clustering provides transparent, instant failover to a DR site without application disruption. To take advantage of this feature, customers must deploy hardware in the production and DR sites with sufficient free capacity for either site to absorb the load of the other while maintaining service level agreement response times. Zero recovery time with zero data loss capability delivers the security of disaster avoidance with the benefits of virtually zero recovery time.

Spotlighting Data Protection

A strong data protection strategy is vital for business continuity, and should be an integral part of any enterprise security plan. When considering all-flash storage, administrators should be sure to integrate data protection into performance, manageability, and cost analyses. The multiple data protection capabilities of the VIOLIN will help users reap the full benefits of flash technology and maintain peak business operating efficiency.

To learn more about how VIOLIN's data protection strategy provides integrated, infrastructure-wide protection with centralized visibility, contact a VIOLIN sales representative or visit www.violinsystems.com.