



Run your SAP Ecosystem Faster with Violin Memory's all-flash Storage Arrays

Accelerate your SAP deployments for timely business insights with the sustained performance, resilience, and endurance of Violin flash Memory Arrays.

Highlights

Accelerate Database Throughput

- Dramatically improve application response times
- Increase business agility by reducing application wait times
- Scale transaction processing volumes with speed and deterministic, sustained performance

Any Data, Any Time, Any Scale

- High-performance, predictive analytics in real time
- Scale user datasets on demand, without the need to acquire additional hardware
- Vendor-agnostic solution incorporates best-of-breed technologies from Fujitsu and SAP

Significantly Lower Total Cost of Ownership

- Reduce operational expenses with lower maintenance and optimization overhead
- Minimize cost in space, power and cooling with a 3U system footprint
- Avoid constant purchases of additional spindles as performance requirements and data volumes grow

Business Needs

Real-time access to information is the goal of all enterprises, whether they are running business-critical applications, analytics, or in-memory databases. Timely business insights ultimately translate into higher revenue and increased customer satisfaction, whether the customer is a partner, a client or an internal stakeholder.

To better enable decision makers, the IT infrastructure needs to support the volumes of data, access points, users that are growing exponentially. The ability to make ad hoc decisions based on queries that you can run dynamically provides the competitive advantage against those that have to wait weeks to gain access to reports.

Business Challenges

Historically, business reports were generated at night and primarily for executive consumption. In today's business world, transactions are processed 24/7, reports run and are generated 24 hours per day, and are generally for everyone's consumption in the organization, not just the executives.

Having timely access to information is critical, and your infrastructure needs to support growing demand for data. In order to support your SAP ecosystem, your infrastructure needs to scale as data and users grow exponentially and it needs to support multi-user concurrency, without any performance degradation, and without impact to other business functions. While network and compute performance has transformed, legacy disk-based storage remains the norm and bottleneck to achieve the full potential of applications.

Run Your SAP Solutions at the Speed of Memory

Flash memory arrays ensure the lowest latency data access, provide high-bandwidth connections and scale to hundreds of TB's so even the largest databases can be stored in memory. Violin's flash Memory Arrays accelerate any element of the SAP ecosystem where IO performance is constrained by traditional disk-based storage.

Whether you are running an ERP application, a Sybase database or predictive analytics, run your SAP deployments on Violin's unique and dynamic all-flash, all-silicon, parallelized array. Enable applications that are predictable in their performance and linearly scalable, at a lower TCO than traditional disk-based storage.

Accelerate ERP Solutions for Real-time Business Decisions

Whether driving sales distribution, materials management, production planning, your infrastructure needs to be able to respond to changing business requirements. Today, storage is the biggest inhibitor for application and database performance. The time it takes to read and write the data from storage directly impacts the application performance. For instance, running financial analytics requires running batch processes. Batch jobs inherently take too long and the delay can pose a competitive disadvantage. Running sales order-processing queries on large data sets requires fast response times; transaction locking is a potential challenge that impacts other business functions.

Violin's all-flash Memory Arrays use the latest in flash technology to provide consistently low-latency for high performance, high IOPs and high-throughput applications and databases. By reading and writing data blocks within microseconds, Violin's all-flash systems eliminate IO contention and accelerate overall application efficiency and performance. This translates into orders processed more quickly; batch time reduced multifold; increased control on financial risk management; reduced reporting and ETL times; and more complex reports for better business insights.

Real-time Predictive Analytics for the Retail Industry

In the world of Predictive Analytics for Retail, mining petabytes of data real-time for to influence consumer behavior is an increasingly important mandate, especially with the evolution of smartphone mobility. With advanced predictive analytics, enterprises can make timely offers with sub-second latency at point-of-sale terminals or geo-located smartphones. They can also forecast future demand and gauge strategic alternatives to gain critical insights to grow their bottom line.

With SAP solutions running on Violin Memory, enterprises can drive transactional efficiencies, and also create models that allow them to be agile and immediately respond to dynamic business opportunities. Online Transaction Processing (OLTP) applications can only go as fast as transactions can be written to storage. Violin's sub-millisecond latency can accelerate applications by up to 20x, enhancing end-user experience as well as supporting timely business insights.

Consolidate Towards a Lower Total Cost of Ownership

All ERP solutions face the challenge of data center sprawl. Multiple instances are needed to support development, test and production sites. SAP is similarly deployed in existing data centers and each of these silos requires servers and storage to support business needs.

With Violin Memory all-flash Arrays, organizations can see up to 80% reduction in the physical assets required to run your business. Cost-savings are focused across the data center:

- Minimize the total amount of operating equipment
- Reduce space and facility requirements
- Increase management productivity
- Improve overall asset utilization

Violin is a cost-effective, enterprise-class solution that transforms the traditional approach to overprovisioning to meet the growing demand for data.



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