

# Transform Your Primary Storage And Data Center Economics With Violin's Flash Storage Platform

Historically, achieving high throughput and lower latency meant overprovisioning hardware or using software to mitigate, but not fully eliminate performance issues. These workarounds have high CAPEX and OPEX costs and still don't meet the requirements for cost-effective primary storage in 21st century businesses.

It's clear that a new approach is needed that can support growth, improve efficiency and manageability, and deliver consistent and predictable service levels without breaking the IT budget.

**violin**  
MEMORY

## 5 Reasons

### To Deploy the Violin Flash Storage Platform for Your Primary Storage Solution

With the Violin Flash Storage Platform, you can deploy enterprise-class all-flash primary storage and achieve very favorable CAPEX and OPEX scenarios. This set of capabilities developed from a vertically integrated design of software, firmware, and hardware enable the transition of primary storage from legacy solutions to all-flash. With Violin's unique Flash Storage Platforms, you can run your primary storage, and your Business in a Flash.

## 1 Deploy Flash as Your Primary Storage at the Cost Disk

With Violin's Flash Storage Platform (FSP), you can deploy all-flash storage solutions that deliver a suite of Enterprise Data Services, low latency, and consistent high performance for primary storage at the same cost as traditional enterprise-class storage. Our Enterprise Data Services for business continuance, data protection, data reduction, and data safety help you support mixed and multiple workloads on a single integrated platform so you can streamline your primary storage and related expense. When the true cost of legacy storage is calculated, the move to a FSP in an All Flash Data Center becomes an economic imperative.

## 2 Consolidate Storage Tiers for Simplified and Efficient Operations

With Violin, it is now a prudent financial option is to place all active data, tiers 0, 1, and 2, onto the FSP. In addition, increased workload density on FSP accelerates consolidation elsewhere in the data center. For example, fewer servers will be required as their utilization rises since they are no longer I/O constrained. This in turn reduces software license expense. As overprovisioning is eliminated, less storage capacity will be required. Finally, improved system performance means networking resources can be optimized and humans can stop chasing I/O problems and focus on innovation instead.

## 3 Embrace and Extend Existing Violin All-Flash Investments

With our FSP, your existing investments in Violin All Flash Arrays are protected. You can upgrade Fibre Channel 6000 series All Flash Arrays to the 7700 FSP. In addition, existing Concerto 7200 All Flash Arrays can upgrade from vMOS to Concerto OS 7 to become the 7200 FSP. Best of all, you can mix and match your upgraded shelves with the new 7300 FSP. This means you can protect existing your Violin investments while upgrading to our unique Flash Storage Platform for your primary storage.

## 4 Dramatically Lower Your Cost per Transaction and Meet Your SLAs

You will achieve the highest ROI and lowest TCO as you lower your cost per transaction with Violin's FSP. Our consistent low latency and parallelism deliver higher IOPS for heavy Primary Storage workloads so you can meet your SLAs while lowering your CAPEX compared with legacy, hybrid, or even SSD-based solutions. Further, the FSP's dense architecture delivers significantly lower OPEX by having fewer racks of equipment to manage, which in turn reduces facilities expense. With the FSP, you transform your storage and data center economics so you can do more by spending less.

## 5 Reduce CAPEX and OPEX through a Fully Integrated Platform

Architecture does makes a difference. The FSP features a vertically integrated design of software, firmware, and hardware that delivers highest performance, resiliency, and availability at the same cost as legacy enterprise-class primary storage. Only Violin delivers a single OS platform with integrated Continuous Data Protection, Stretch Metro Cluster, and LUN mirroring, as well as our suite of Enterprise Data Services. There are no separate add-ons for data protection plus you can drive OPEX savings through simplification of complex infrastructures and facilities expense reductions of up to 90% by for power, cooling, and floor space. With the FSP, you can deploy a greener solution while saving some green (money) at the same time.