

# Windows Flash Array

Combine Violin's enterprise-class storage with the ease and flexibility of Windows® Storage Server 2012 R2. Now you can achieve higher performance and transform the IT economics for your business critical Microsoft® applications in physical, virtual, and private cloud environments. The WFA is a key part of your all-flash data center.

## Highlights

### The WFA Effect

- **Higher Performance than leading industry standard all-flash arrays:**
  - SQL Writes up to 2x faster
  - SQL Reads up to 1.5x faster
  - Hyper-V Writes up to 1.4x faster
  - CPU loads reduced up to 30%
  - Latency at speed of ~500 µsecs.
- **Lower CAPEX through:**
  - Increased consolidation
  - Higher VM density
  - Increased utilization
  - Pay-as-you-grow pricing
- **Lower OPEX through:**
  - Microsoft management tools
  - 3U form factor with reduced facilities requirements

### Unique Value

- Jointly developed with Microsoft
- Kernel-level optimized integration with Microsoft Windows Storage Server 2012 R2
- SMB Direct dramatically increases application performance
- Cross platform file sharing through SMB 3.0, and NFS 3.0/4.1

### Enterprise Data Services

- Deduplication
- Storage Live Migration
- Thin Provisioning
- Compression
- Replication
- Scale-out File Server
- Transport-level encryption

### Transform Your Datacenter Performance and Economics

Violin's Windows Flash Array (WFA) delivers game changing performance and economics to your datacenter so you can do more with existing IT resources. The combination of Violin Memory's patented Flash Fabric Architecture™, Microsoft's fast SMB Direct protocol, and Microsoft Windows Storage Server 2012 R2 means you can optimize your Windows Server environment to deliver consistent high performance on a simpler architecture with reduced CPU load for every byte, every time.

Workloads including OLTP, business intelligence, data warehousing, file servers and virtualized enterprise server (Hyper-V®) and desktop applications are ideal for WFA's performance. But today's enterprise requires more than performance. Continuous availability with reduced risk to operations is at the center of the WFA design. Multilayered hardware and software resiliency delivers enterprise-class performance and certainty so that your mission critical applications and data will remain online 24x7.

The WFA runs at PCIe speeds to deliver the features of SAN, the performance of DAS, at the price of NAS. With the WFA, you can transform your Microsoft IT economics.

To learn more about how the WFA can dramatically improve your Microsoft Windows Server environment, please contact your Violin Memory representative or go to [www.violin-memory.com](http://www.violin-memory.com).

## VIOLIN WINDOWS FLASH ARRAY

vs. INDUSTRY STANDARD ALL FLASH ARRAY

