



# Professional Services

## Violin Extreme Performance Storage Platforms

### The Seamless Path to All-Flash Primary Storage

Many data centers have limited experience with flash architectures and when combined with current staffing constraints may find it difficult to take full advantage of flash technology. Violin offers a portfolio of Professional Services to help IT deliver the business outcomes available from the latest innovations in data services and flash architectures.

Violin Professional Services offers the seamless path to all-flash Primary Storage based on best practices and skilled experts. Violin’s team of experts engages with customers to understand the business and technical objectives of the project. The team then shares best practices from other implementations and delivers the appropriate services in close partnership with IT. Finally, Violin transitions the knowledge and practices to your organization to efficiently manage ongoing operations.

#### PLAN

Use Violin’s experience in planning all-flash primary storage applications or point solutions to meet your business objectives. Our experienced experts can make sure you get the most from your investment in flash technology. We have experience in complex global environments and work with existing partners you already have in your data centers to meet project objectives.

#### BUILD

You want to make sure your project is completed on-time and in-budget and Violin Professional Services can help. Violin as a tactical partner implementing your project keeps your IT staff free to manage the day-to-day concerns and brings specialists in who will bring your project to life.

#### OPERATE

Once your Violin storage platform solution is in place, use our skills transfer to make sure your staff is ready to efficiently operate your new environment. We can also tune and optimize your environment to meet your business objectives and streamline your current operation. The power of flash is transformative, and Violin Professional Services can make sure you are getting the most from this technology.

### VIOLIN PROFESSIONAL SERVICES & YOUR BUSINESS

The suite of Violin Professional Services is designed to help you implement new all-flash projects with a minimum of risk and time by using our experts and best practices. Whether you have a point project in mind for a specific goal or are looking to move to an all-silicon data center, contact Violin to assist your implementation.

#### HIGHLIGHTS

#### Violin Professional Services

- **Plan**
  - Business Case
  - Architecture
  - Business Continuity Planning
  
- **Build**
  - Install Array
  - Migrate Data
  - Disaster Recovery Implementation
  - Stretch Cluster Deployment
  
- **Operate**
  - Optimize
  - Tune
  - Proactive Health Check
  - Secure Erase

## Data Migration

Data Migration enables development of new Oracle or SQL Server environments with detailed steps for execution including: execution time for each step, personnel assigned to each step, contact information, all storage and server locations, review processes, success criteria review, and rollback plans. Violin also provides migration services from third party arrays to Violin arrays to reduce your risk when deploying new technology.

## Performance Tuning

Performance tuning service validates the system configuration and operation using Violin best practices for one Violin All Flash Array or one Violin Storage Platform. Analysis and recommendations will be documented, and corrective actions taken at the array level, so you can get the ultimate value from your Violin arrays.

## Secure Data Erase

Privacy and security laws, regulations and policies such as HIPAA (Health Industry) & PCI-DSS (Credit Cards) and DOD (Department of Defense) data security standards require that all storage devices are erased before they leave the physical control of an organization. It is a requirement that any data that was previously stored is not recoverable by a 3rd party, including Violin Systems. This process assures that data is rendered unreadable on the array to protect you and your data.

## Health Checks

Database health-check services include remote analysis of call home and system logs, validation of the database solution configuration to assess the operations of the array, the database and its performance. A report will be generated with any corrective and best practice recommendations. Database health checks ensure your OLTP is operating at peak performance.

## Stretch Clusters

Installation Services for a Violin array in a stretch cluster configuration includes a requirements assessment, a custom SOW, installation of the arrays, and validation of Violin best practices for a stretch cluster configuration. High Availability and Disaster Recovery environments benefit from business continuity during initial implementation and for periodic DR checks. The service includes configuring thin provisioning, deduplication, snapshots and knowledge transfer for peace of mind.

## Disaster Recovery

Flash array disaster recovery services include validation of all Violin best practices for a High Availability and Disaster Recovery environment for continued business continuity during initial implementation and for DR checks. The service allows customers to take advantage of Violin's experience in meeting demanding availability requirements for flash storage.

## Optimization

Violin Optimization Services include virtualization, multi-tenant, and database environments. Optimization Services include tuning the server environment and configuring the environment to optimize for flash. Leverage Violin's experience in getting the most from your hardware investment with Professional Services.

The three stages of IT projects: Plan, Build and Operate, are all able to benefit from Violin Professional Services. Now you don't have to choose between your existing pipeline of projects and a new flash project with Violin.

For more information on Violin extreme performance storage platforms and services go to [www.violinsystems.com](http://www.violinsystems.com).