

Kaminario K2 All-Flash and DataCore Software



SOLUTION SUMMARY:

- Seamlessly adds high performance flash to existing storage infrastructures
- Virtualizes all storage resources for simplified management across heterogeneous storage environments while adding enterprise class storage capabilities, including high availability and disaster recovery.
- The Kaminario K2 Scale Up/Out All-Flash Storage offers an easy way to scale your combined solution
- Provides non disruptive migration from disk to flash, enabling the all-flash datacenter

Simplifying IT Operations through Storage Virtualization while Leveraging the Performance of All-Flash

The combination of Kaminario K2 and DataCore offers a virtualization solution that leverages the predictably fast performance of the K2 all-flash storage array and the benefits of a Software Defined Storage platform. This solution allows customers to seamlessly add high performance flash to existing storage architectures while enabling the phase out of old storage on their own schedules, whether that is immediately or over a depreciation time of several years.

About DataCore Software

DataCore storage virtualization software empowers organizations to seamlessly manage and scale their data storage architectures while maximizing IT infrastructure efficiency, performance and availability by virtualizing storage hardware.

K2 Overview

The K2 all-flash array is the most cost-efficient general purpose storage platform that was designed from the ground up optimized for solid-state drive (SSD) flash storage and to accommodate multiple applications and workloads. Its unique scale-out/scale-up architecture allows the K2 to grow with customer infrastructure needs, delivering agility and flexibility for today's demanding IT requirements.

Major Solution Benefits

True Business Continuity Through Synchronous Mirroring

True business continuity with physically separated data stores is achieved by synchronously mirroring data across two or more Kaminario K2 Flash Arrays working as active/active resources. Synchronous mirrors can be deployed either side-by-side in a datacenter or in a metro cluster spanning up to 100km for true physical separation. The solution also removes the need for storage maintenance downtime, enabling 100% uptime.

SOLUTION BENEFITS:

- Seamless storage management across all storage devices
- Synchronous mirroring for high availability
- Auto-tiering between K2 Flash and slower or existing storage
- Storage pooling and snapshots across unlike storage units
- Background migration allows non disruptive addition/removal/replacement of storage



Contact

Contact a business development representative to answer any questions you may have.



Schedule a Demo

Schedule a demo with an engineer and learn if Kaminario's solution works for you.



Request a Quote

Request a quote for your application from our business development team.

Consistent Low Latency and Flash Enablement for Existing Storage Environments

The K2 is the only all-flash platform that brings true enterprise scalability coupled with predictable performance in a cost-efficient manner. Traditional storage is given a second life by complementing it with one or more K2 arrays. The DataCore engine determines in real time what data requires higher IOPS and places it on the faster Kaminario storage, while less used cooler data is migrated to the slower storage. This auto-tiering capability offers a cost effective solution for customers taking a longer path towards the all-flash datacenter.

Non-disruptive and Cost-efficient Data Migration

DataCore software enable the seamless virtual data movement between existing and K2 storage devices allowing the DataCore engine to migrate data in the background while the system is running at full speed. When the migration is complete, the legacy storage is removed, leaving an all-flash datacenter.

Case Study

Continuous Availability for Mission-Critical Hospital Environment

Using DataCore software as part of their production implementation, a large hospital leveraged the performance and scale of the K2 All-Flash array to satisfy their performance and high-availability requirements. To ensure 100% uptime and no disruption to their critical operations, the hospital synchronously mirrored their application data between two datacenters using the DataCore software with write performance of up to 200MB/s and less than 0.5 ms latencies. Additionally, the hospital utilized functionality offered by DataCore's storage virtualization software to effortlessly tier data between K2 flash (high performance tier) and high capacity spinning disks (archiving tier). The software enabled data to flow freely between the hardware devices (figure 1 below) Kaminario K2's.

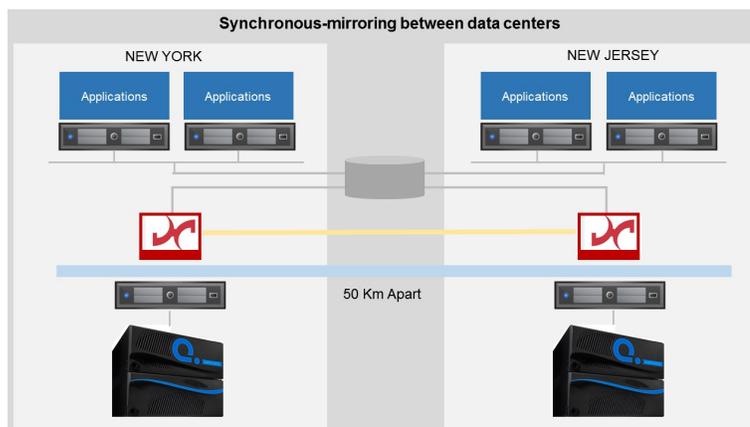


Figure 1

About Kaminario

Kaminario, the leading all-flash storage company, is redefining the future of modern data centers. To learn more, please visit www.kaminario.com.