

Kaminario K2 Perpetual Array

The high performance K2 Perpetual Array grows with the enterprise. It protects investments in existing systems while reducing future costs as capacity and performance demands increase.

Perpetual Array capabilities:

- Scale-up/Scale-out enabled for existing systems
- Incorporates advancing processor, networking and drive technology
- Expands global deduplication domain to added capacity
- Grows systems non-disruptively

The Kaminario Perpetual Array™ capability for the K2 all-flash storage array makes it possible to enhance existing systems seamlessly. As technology advances, the system is forward compatible. When faster processors or denser SSDs become available, they can be used to expand the power of an existing array.

As successful businesses grow, their technology foundations must grow as well. They must maintain performance and increase capacity. The ideal is to do it quickly and cost-effectively, and non-disruptively. Traditionally this has been tough to accomplish, especially for high-performance and large capacity storage arrays. It meant adding new systems, undertaking painful data migrations, and dealing with legacy incompatibilities. Moving ahead often meant dragging the past behind you.

Investment Protection & Cost Efficiency

Now, the Kaminario Perpetual Array makes it possible to enhance the past while including the present and future. The Kaminario K2 Perpetual Array™ protects investments by blending existing systems seamlessly with new elements, added capabilities, and new technology. The K2 system architecture makes it the only all-flash storage array that supports both scale-up and scale-out. That flexibility means the K2 array can non-disruptively expand both storage and processing power. And it can take advantage of technology advances as they occur. The system is forward and backward compatible, so, as faster processors or denser SSDs become available, they can be used to expand an existing array.

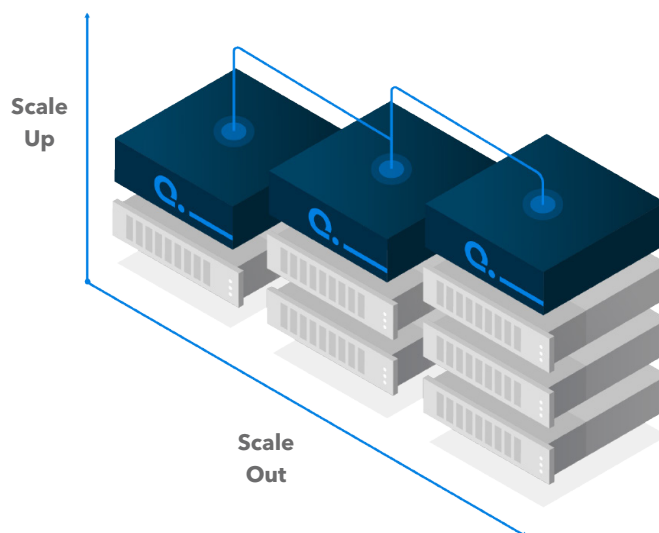
Kaminario's architecture enables K2 to run all application and analytic workloads on a single platform. That gives K2 users a single versatile pay-as-they-grow system. The Perpetual Array minimizes capital expense (CAPEX) by protecting the investment in existing equipment while it reduces future costs as capacity and performance demands increase.

Metadata Managed Scale-out

Systems can start small; from 7TB to 180TB in just 4U, and grow seamlessly to 1.44PB in 26U. Low-latency linear growth scales with capacity and performance. And, as systems expand, all elements in the scale-out cluster take advantage of the Infiniband internode network. Kaminario's specialized global metadata management means that all existing and new data is accessible from all host ports throughout the system.

Deduplication: Expansive and Selective

Kaminario's global inline selective deduplication eliminates redundant data. The deduplication is performed globally, so data is stored only once. And dedupe processing is distributed across all the array's K-Nodes, enabling higher deduplication ratios, high performance, and consistently low latency. As the Perpetual Array scales out, so does the deduplication. So, as systems expand global dedupe expands as well. Uniquely among All-flash-arrays, selective deduplication can be set to store data without deduplication for applications such as databases where data redundancy is negligible and additional performance is preferred or where security-sensitive applications prohibit deduplication.



Kaminario provides enterprise-class all-flash storage that delivers cost efficiency, and is built from the ground up to take advantage of the most modern flash SSD capabilities. The Kaminario K2 array is ideal for workloads that require consistent, predictable performance, including Software as a Service (SaaS), server virtualization, desktop virtualization (VDI), and databases, including OLTP, and real-time analytics.

Predictable Simplicity

As the K2 arrays scale up and out non-disruptively, no capacity management or fine tuning is required. Hardware expansions and software enhancements can be deployed without operational interference and with no dependencies on maintenance windows. Upgrades can mix and match controllers and SSDs. And Kaminario's Guaranteed Effective Capacity removes uncertainty from the data reduction portion of capacity planning. It's predictable simplicity.

The Perpetual Array delivers investment protection and simple non-disruptive upgrades. And HealthShield™ provides a support platform for real-time monitoring, analytics and service management.



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.

About Kaminario

Kaminario, the leading all-flash storage company, is redefining the future of modern data centers. Its unique solution enables organizations to succeed in today's on-demand world and prepares them to seamlessly handle tomorrow's innovations. Only Kaminario K2 delivers the agility, scalability, performance and economics a data center requires to deal with today's cloud-first, dynamic world and provide real-time data access -- anywhere, anytime. Hundreds of customers rely on the Kaminario K2 all-flash array to power their mission critical applications and safeguard their digital ecosystem. Headquartered in Needham, MA, Kaminario works with an extensive network of resellers and distributors, globally.

For more information, visit www.kaminario.com

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