Emergency Services Assured

Achieving peak performance, reliability and simplicity for a life-saving network

WHO:
Emergency Communications Network provides mass-notification services for governments and businesses

CHALLENGES:
ECN's business is growing. Maximum performance, functionality and simplicity are essential needs

IT ENVIRONMENT:
Three data centers, recently upgraded to 10GbE. HP and Cisco switches, Windows/Linux, SQL, virtualized with VMware and HyperV

SOLUTION:
Two capacity-on-demand Kaminario K2 systems in each of three data centers

SAVINGS:
Major gains in speed, functionality and operational simplicity. Ready for growth

Executive Summary

Emergency Communications Network (ECN) is in the business of mass notifications. ECN provides time-sensitive critical communications designed to alert, inform and protect lives in businesses and communities. That means its service needs to function flawlessly at all times. Systems require raw performance, fault tolerance and predictability. Adhering to rigorous standards, ECN planned to upgrade data storage systems to expand capacity and performance when reaching out to millions of clients immediately. ECN selected Kaminario K2 all-flash storage arrays to get the performance, efficiency and operational simplicity it needed.

Emergency Communications Network Overview

Emergency Communications Network provides efficient and reliable mass-incident notification services. Used by state and local governments and enterprises, the system delivers community, employee and facility-based alerts. It can be used to warn of public emergencies, severe weather and evacuations, in addition to planned power outages, city/county events, and other general notifications for staff and residents. The system is built to communicate time-sensitive information that directly impacts individuals. As such, any unplanned downtime or performance bottlenecks could put lives at risk.

The Challenge

The critical nature of its business means ECN needs absolute reliability and speed. No one knows when an emergency will arise. When it does, ECN's response must be immediate. At the same time, all customers in every region need to be serviced with no degradation of performance, even at peak demand. ECN's business is expanding, requiring fast, reliable systems that are ready for the future.

Examining Options

ECN needed to update its infrastructure. Its existing data storage systems were nearing the end of maintenance. A costly renewal didn't make sense. New technology was available to increase speed and responsiveness. As it began looking at hybrid flash/disk systems, the team decided that to get the best available performance, it was time to make the jump to all-flash storage.

Through proof of concept testing, the team narrowed its consideration to Kaminario. Carefully defined measurements and tests mimicking its demanding performance and data-transfer requirements showed Kaminario K2 was the best solution for the company's needs.

"Kaminario excelled in every category: performance, ease of installation, ease of operating interface, encryption, snaps, deduplication and more. There was no learning curve. Along with some determined sales creativity, Kaminario made it an easy choice."

—

Reggy Monsanto, ECN IT manager

IMMEDIATE BENEFITS

- "We can summarize our Kaminario benefits in three words: performance, efficiency, scalability."

  – Joe Little, ECN IT director

The Solution

ECN installed two Kaminario K2 fifth-generation all-flash arrays in each of its three data centers. These are all 22TB usable arrays featuring capacity on demand. That means ECN is billed only for the 15 TB its currently uses in each. When needed, the remaining 7TB is standing by on-site to provision and use with no production delay.

ECN can easily accommodate its growing customer list with the features and performance of K2. ECN is using the innovative K2 snapshot technology to make database copies for application development and QA functions. It is taking advantage of data deduplication and encryption, and K2's scale-up, scale-out architecture is positioned for simple and non-disruptive growth in response to future demand.

"We were looking for a partner, not a just a vendor, and we found that with Kaminario."

Joe Little, ECN IT director

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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