Planned Parenthood®
Care. No matter what.

WHO:
Planned Parenthood/Orange and San Bernardino Counties provides confidential, affordable, high-quality health care

CHALLENGES:

VDI performance

Systems reliability

Budget

SOLUTION:
Kaminario K2

ADVANTAGES:
- All-flash performance
- Adaptive block size
- Faster backups
- US-based support
- Guaranteed capacity

Uptime for Patient Care

Kaminario supports healthcare reliability and speed

Executive Summary

Planned Parenthood of Orange and San Bernardino Counties requires always-on access to crucial applications to assure responsive delivery of healthcare services. However, after a day-long service outage, the need for more reliable systems became clear. With guaranteed uptime, the Kaminario K2 all-flash storage resolved their reliability challenge while accelerating application performance to help expedite patient transactions.

Planned Parenthood Overview

Planned Parenthood of Orange and San Bernardino Counties (PPOSBC) provides essential reproductive health care, nutrition services, and education programs to more than 160,000 local women and men, regardless of their personal circumstances or ability to pay.

The Challenge

It's essential that PPOBSC's systems be always available for practitioners to access medical records and manage patient interactions. Their challenge came when the system failed. Their VDI servers used local flash storage cards. When an outage lasted an entire day, it showed just how vulnerable their system had become. It was time for a new approach.

Beyond the local storage challenge, PPOSBC had also experienced problems with system slowdowns that impacted productivity. As practitioners moved from one exam room to another, they experienced delays of 45 seconds to a minute waiting for crucial application responses. That meant schedule delays and a slowdown in quality patient care.

> "We had multiple challenges, from the performance and reliability of our VDI environment to lengthy backup windows. After a failure had brought our systems down for an entire day, we began looking for a replacement solution. Kaminario solved all our problems at once, and gave us unexpected extras."
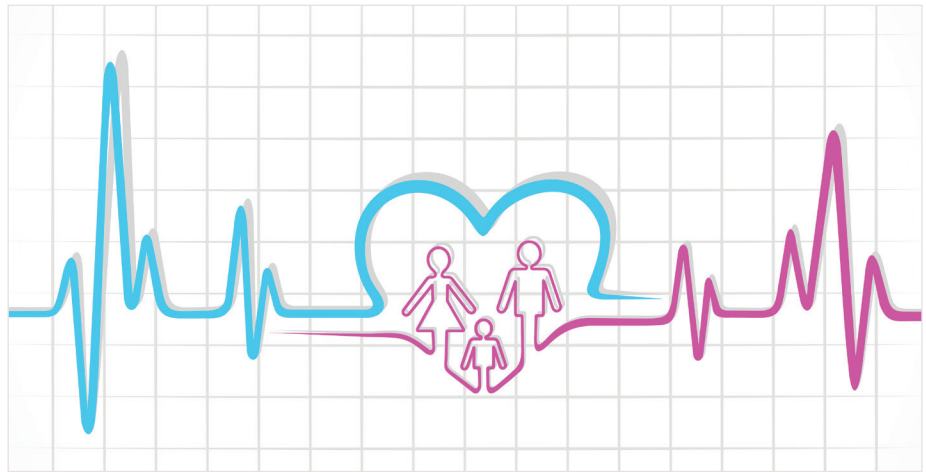
Kevin Tran,
Planned Parenthood IT Operations Manager

"What captured my attention was Kaminario's Adaptive Block Size capability. We're using it now for Exchange and SharePoint and plan future use for our SQL servers. It's a powerful capability to manage mixed workloads that has become vital to our operational flexibility."

Kevin Tran,
Planned Parenthood
IT Operations Manager

IMMEDIATE BENEFITS:

• A stable and reliable VDI infrastructure

• Performance increased, with latency reduced from 15ms to .5ms

• Fresh VMs created in 5 minutes instead of 45 minutes

• Screen response cut by two-thirds - down to 20 seconds from 60

• Responsive Kaminario US-based support

Examining Options

Adding another challenge as they examined options, PPOSBC needed to be very careful about budget impact. They evaluated Nimble, as well as NetApp, their existing storage brand. They also had a strong recommendation from a colleague who uses Kaminario for real-time transaction processing.

The focus was on Flash Storage. Considerations included performance, cost, warranty, support, reliability, and expandability. "I've been watching Flash Storage develop now for more than three years," said Tran. "Now I believe it has matured and it was time for a closer look." Also, beyond technical considerations, Tran wanted a company he could trust to deliver as promised.

The Solution

PPOSBC selected Kaminario K2 All-Flash Storage for functionality, versatility, reliability, performance and price. Of course, primary considerations were reliability and speed. What sold them on Kaminario were guarantees of both through the Kaminario ForeSight program. This high availability promise assures five nines uptime from K2's all-flash architecture designed for consistently high performance. Any gap is closed with added Kaminario resources delivered to the customer at zero cost.

And there was more. PPOSBC is taking advantage of K2's Adaptive Block Size optimization to combine mixed workloads on a single array with no performance impacts. "We're using it now for Exchange and SharePoint," said Tran, "so requirements for IOPS drop significantly." They are getting the performance results they wanted. Moving from the NetApp to K2 all-flash has reduced latency from 10-15ms to .5ms. SharePoint is significantly faster. Fresh VMs can be created in 5 minutes instead of 45. Screen response for crucial applications in exam rooms has dropped from 60 seconds to 20.

"We wanted reliability and speed. That's what we've had from Kaminario. The upkeep is simple. The support is great. So is the ROI. We are delivering more services to more patients in a shorter period."

Kevin Tran,
Planned Parenthood IT Operations Manager

What's Next

Plans are underway to implement an Active-Active Disaster Recovery design that will incorporate Kaminario K2 into a robust DR program.

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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