

**WHO:**

SpotOption, a leading binary options platform provider

CHALLENGES:

Slow trading platform performance & application latency delays for global clients

IT ENVIRONMENT:

Linux, PHP, .net, Linux, VMware, F5, Akamai, China Cloud, NetApp & Kaminario Storage, Hybrid Cloud includes company data centers, Amazon, Azure, Google

SOLUTION:

Two 40TB Kaminario K2 All-Flash-Storage arrays

BENEFITS:

- 10X performance improvements
- Operational simplicity

SaaS Options Trading Accelerated 10X

SpotOption increases application speed and simplifies operations using Kaminario K2 all-flash storage

Executive Summary

SpotOption provides the leading binary options SaaS platform to a global clientele. Along with their commitment to providing the best trader experience, their goal was to speed up the performance of their trading platform, including application response time. When SpotOption installed Kaminario K2 all-flash storage, their customers saw platform performance increase 10X and the IT staff experienced new operational simplicity.

SpotOption Overview

SpotOption provides Software as a Service (SaaS) trading technology to some of the largest brokerages in the online industry and is today's leading binary options SaaS platform provider. Their clientele includes 300 labels, holding 65% market share. Serving their clients on five continents, SpotOption has branches in London, Hong Kong, Tel Aviv, and Amsterdam. Their innovative platform delivers unique features for over 250 assets, including stocks, commodities, indices, and currencies. The SpotOption solution is offered as a complete, stand-alone operation, or integrated with APIs into existing operations. There is a powerful, secure platform that enables global trading round-the-clock.

The Challenge

SpotOption serves a new, dynamic, and competitive industry. "When serving traders around the world," said Amir Vaknin, SpotOption CTO, "application performance is the key. If we don't have excellent performance, we won't secure our position the industry leaders." And that was the challenge. Systems were not performing up to SpotOption's expectations for their platform. Paying more for faster NetApp systems wasn't the answer. Even at a higher price, they couldn't achieve the required acceleration. So, Amir began speaking to industry colleagues, looking for an alternative.



Examining Options

The SpotOption platform requires the utmost performance. It's a distributed structure with multiple logs, virtual machines and in-memory solutions that depend on upon processing speed. Their log transactions, master to slave SQL replication and snapshots for in-memory solutions all demanded the fastest possible response times. It was impractical to continue the complicated and labor intensive workaround involved in uploading large amounts of data to very expensive memory—then constantly swapping it out. If any server resets, the data would be lost from volatile memory. In effect, the operational deficiencies defined new system requirements.

"I'm certain that one of the reasons we have kept existing customers and gained new ones is due to the K2 performance. SpotOption's reputation and overall business is better because of how Kaminario has improved the trader experience for our clients."

Amir Vaknin, SpotOption CTO

IMMEDIATE BENEFITS

- Customer platform performance accelerated 10X
- Latency at ½ ms
- Complex business reports running 2x faster
- Kaminario web interface and simplicity contributing to ease and speed of operations
- “The top 3 benefits of Kaminario are performance, price, and service.”
—Amir Vaknin

The Solution

SpotOption tested Kaminario K2 all-flash storage and quickly realized its potential to support their SaaS trading platform. Along with performance, complexity managing disk storage had been one of the sore spots. With a master SQL server and five slaves that meant managing volumes of more than a terabyte each. Implementing Kaminario, the process was immediately easier. “The simplicity of provisioning is something special,” said Leonid Rabinovich, Global IT Operations Leader at SpotOption. Also, K2 compression and deduplication combined to decrease required storage capacity by 3-to-1. Most importantly, platform speed increased by 10X.

Now, with Kaminario integrated into VMware vCenter, scripts are automating scheduled backups for VMs as well as physical and virtual Linux and Windows systems. They are easily making large capacity vMotion transfers between K2 systems that had not been previously practical. Complicated reports are running so fast that the old worries about disk performance have been forgotten. Data on the slave servers is now immediately available to traders for trade reports, API calls, and business intelligence analysis. No more “slave-lag.” And, unlike the NetApp environment, uploading a refreshed application from development works just fine on K2. No more need for application adjustments to accommodate the slower platform. Kaminario has made the whole environment faster, and less complicated.

We asked Leonid Rabinovich, the SpotOption Global IT leader, what he would say when speaking to a colleague about Kaminario and he was quite expressive. Rabinovich said, “If I were recommending Kaminario, I wouldn’t talk about the performance. No need. The performance is perfect.” Rather he would emphasize the architecture “which is also perfect.” “It’s the operational simplicity that you can’t get with traditional storage systems like EMC, 3Par or NetApp. Just ask for a LUN and that’s it.” “When my staff needs to work with the NetApp systems they always ask, “Why is this so complicated?” “We love the Kaminario simplicity. It just works.”

What’s Next

SpotOption is looking to replicate the high-performance success they have had with Kaminario by upgrading their Hong Kong data center to K2 all-flash 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.

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

Kaminario, the Kaminario logo and SPEAR are registered trademarks of Kaminario Inc. K-RAID, Perpetual Array and HealthShield are trademarks of Kaminario, Inc.