

StorPool allows SiteGround to achieve hundreds of times faster performance and scale both computing and storage clusters instantly!



“When we saw what StorPool does in terms of performance, we couldn’t believe it!”
Ivaylo Nikolov, CIO of SiteGround



About SiteGround

Founded in 2004, SiteGround is a leading web hosting service provider offering shared, cloud and reseller hosting with multiple data centers around the world. With a focus on performance, security and unmatched customer service, they adopt innovative technology to make client websites more secure and hundreds of times faster. SiteGround is known for their high-performance platform, fast and skilful support, all while achieving 99.99% uptime and steady 98% happiness ratings by their clients.

Challenges

SiteGround is one of the best hosting providers worldwide, recognized and trusted by tens of thousands of customers for their business success. The company is famous for its wide portfolio of excellent web hosting services crafted with care. One of the biggest challenges for SiteGround was to increase redundancy by implementing a cost-effective shared storage solution. SiteGround was also looking at ways to increase the performance (IOPS) and throughput (Mbps) of their storage system!

Redundancy and reliability are key factors when you need to back up a 99.99% or higher SLA. Having a distributed shared storage that can easily be “moved” or accessed by any server in the cluster means SiteGround can practically eliminate downtime or reduce it to mere seconds in case of a hardware failure.

The Solution

Being a distributed shared storage system, StorPool helped SiteGround to add two additional layers of redundancy. One, SiteGround is now able to easily attach or “move” volumes between servers in a matter of seconds. They can also attach one volume/virtual disk to multiple servers, given that the volume has a cluster file system that allows simultaneous writes. And two, they have a three-level replication factor, which means that each byte of data is available on three drives, in three separate servers. In this way they can lose up to two servers from a cluster at any time without having an impact on the storage service or the data.

One of the biggest advantages is that now SiteGround can perform any server maintenance, be it scheduled or emergency, without having downtime for server reboots, hardware replacements or software updates. Their customers won't even know that there was maintenance or a hardware problem.

Why StorPool

All distributed storage systems which SiteGround evaluated in the past could not deliver the needed performance. They all stated they will, but in reality they were all close to (or much slower) compared to the performance of Local Storage.



“With the smart caching from StorPool, performance achieved was far more than just a few times faster. It was actually closer to hundreds times faster. Moreover StorPool support is super proactive.”, said Ivaylo Nikolov, CIO of SiteGround.

The business point

A lot of SiteGround’s customers are looking for an affordable, yet resilient and powerful service. With the added reliability and performance from StorPool's distributed storage solution the hosting company can provide an enterprise grade service, while maintaining an affordable price.

Unlike before, with StorPool now SiteGround can offer a true cloud product with built-in redundancy, live scaling, live migrations and amazing I/O performance.



“We are considering implementing StorPool across all our brands and platforms. In this way we would add an additional layer of redundancy. One of the most attractive things when using StorPool is the possibility to dynamically manage resources between shared hosting servers and the option to dramatically decrease the number of servers we currently run.”, said Tenko Nikolov, CEO of SiteGround.

COMPANY
SiteGround



INDUSTRY
Web Hosting and Cloud

FACTS:

- One of the top recommended hosting companies worldwide
- 500,000 + domains hosted
- 10,000+ servers across 5 data centers

WEBSITE
www.siteground.com

IT STACK

- Linux
- StorPool Storage
- Proprietary virtualization platform based on Linux containers

STORAGE SOLUTION

- All-flash system using Samsung SSDs
- Shared storage system by StorPool SDS
- InfiniBand network for low latency

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