

Supercharge VMware Virtual Environments with Next-Gen Data Storage

Ultra-Fast, Effortless, Reliable, and Scalable Block Data Storage for VMware environments

VMware is one of the most widely used proprietary virtualization platforms for the enterprise, supporting on-premises and cloud deployments, and providing management of virtual machines (VMs) and containers, high availability, network management, and vSAN software-defined storage. As IT organizations gained comfort with virtualization, they moved more and more of their business-critical applications to virtualized environments. These applications demand high performance, and always-on reliability and availability. Traditional storage vendors have struggled to keep up with virtualized demands, especially in larger environments with hundreds or even thousands of virtual machines.

Data Storage for Modern Virtualized Environments

StorPool Storage is an ideal platform for VMware environments as they scale up:



Ultra-Fast Storage with Software-defined economics

- Latency under 200µ (0.2 milliseconds)
- Up to 113 million IOPS
- Unique Erasure Coding technology maintains ultrafast performance
- Pay-as-you-grow model



Scalable and Agile just like VMware

- Utilize standard servers across storage and compute
- Scale performance and capacity up and down with demand
- Easily address changes in user requirements online by modifying software settings



Say “Yes” to new requests with Effortless Storage

- Single storage platform for all performance and availability needs
- Single operations model and automation for all performance tiers
- Fully Managed Services lets your team focus on the business



Always-On Operations, just like you

- Real-world Five 9s (99.999%) availability, measured with live accounts
- Zero downtime updates, patches, reconfiguration
- Add and remove components or whole nodes without interruption



We do not need to worry about maintaining the storage platform itself as it just works. With StorPool we experience extremely low response times, very high skill, and knowledge from both the tech and the business teams. Also, they are very kind people in real life and that is one unique selling point.

Kevin Schouwenaar Technology Director of Hosted.nl

The VMware plus StorPool Advantage

StorPool developed a parallel iSCSI target specifically for VMware environments that extends the iSCSI protocol to support multiple parallel sessions. Multiple sessions aid availability in HA architectures, improve scaling, and can improve performance in highly parallel workloads. The parallel iSCSI feature complements StorPool's ultra-fast performance and scalability capabilities, making it an even stronger data storage fit for virtualized environments.

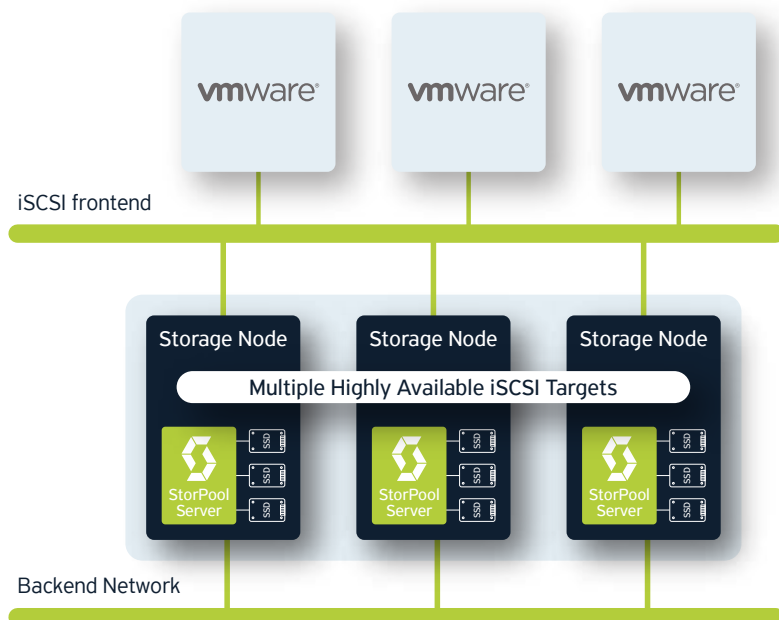
Certain storage primitives can be performed much more efficiently in StorPool than within the VMware servers. So StorPool takes over functions such as ATS, UNMAP, and Write Same, allowing better application performance and more VMs per server.

Along with computing efficiency, StorPool provides high capacity efficiency through thin provisioning, zeros detection, efficient snapshots, and erasure coding. StorPool's unique implementation of Erasure Coding delivers massive savings on real-world capacity compared to traditional RAID, with almost zero performance impact. All of these features together mean VMware users on StorPool see higher performance for their applications while using fewer server nodes and fewer expensive flash drives.

In addition, StorPool's deep support for Linux KVM-based virtualized environments as well as VMware, makes it an excellent choice for mixed workloads or during VMware to KVM migration projects.

Parallel iSCSI for Improved Reliability and Performance

StorPool developed an optimized iSCSI target for VMware clients that is able to handle highly-parallel workloads.



About VMware

VMware is the leading enterprise virtualization platform, with a range of software products to facilitate the creation of virtual machines, allowing multiple instances and even different operating systems to run on a single physical server. VMware became the most popular enterprise server virtualization platform because of the value it has provided for customers – improved agility and scaling, cost savings, and ease of management.

About StorPool Storage

StorPool Storage is a fully managed solution ideal for storing and managing the data of workloads that demand extreme reliability and low latency - mission-critical applications, databases, web servers, virtual desktops, and gaming platforms. Compared to traditional enterprise storage, StorPool Storage is faster, more reliable, and scalable due to its distributed architecture. StorPool is designed from the ground up to provide cloud builders and virtual environments with the fastest and most resource-efficient storage software on the market.



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