Solution Brief

StorPool DISTRIBUTED STORAGE

Micron

Storage efficiency of hyper-scale giants at an unrivalled price point

What Storage Do You Need When Building a Cloud?

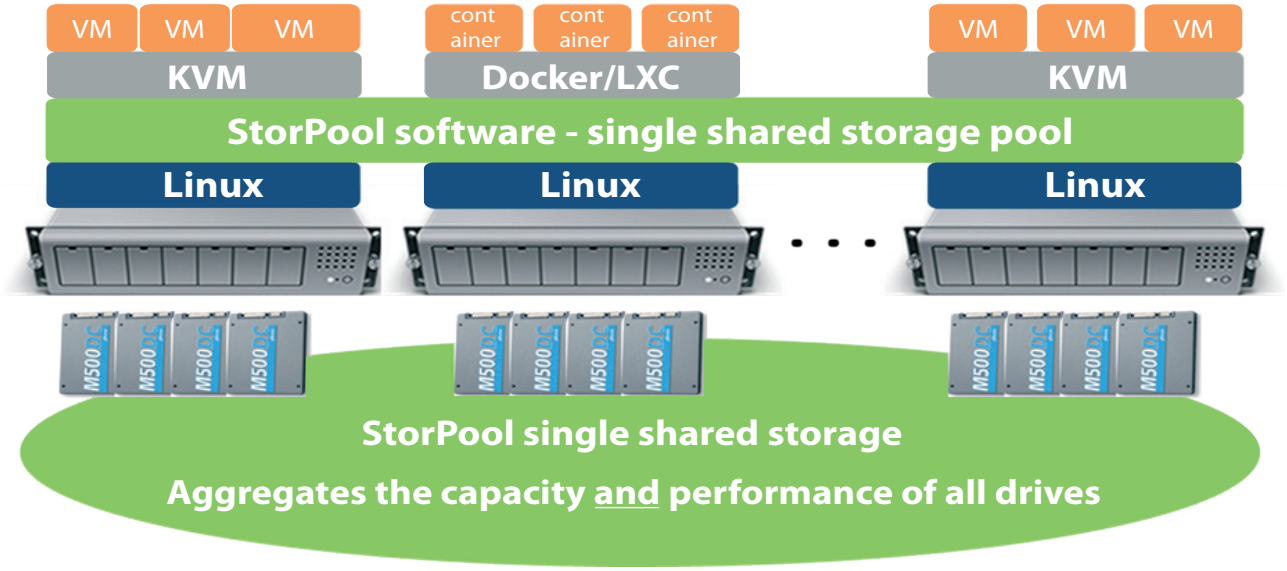
Storage is an integral part of any Cloud - be it public, private or hybrid. Still it is the most expensive and complex piece in data centers. The storage system customers need is:

- **Reliable** - no single point of failure, data protection, shared storage
- **Fast and scalable** – robust performance and seamless scalability
- **Intelligent and flexible** – self-tuning, self-healing and agile system
- **Simple** – all the way – from buying and deploying to operation and expanding
- **Affordable** – making the business case work

The Better Storage Solution

If you are building a Cloud you are using either a traditional SAN, all-flash array or some form of "software defined storage" - all promising high performance, scalability and value, still most solutions fail to deliver on those promises. Customers experience poor performance, limited scalability and realize their service becomes uncompetitive with the associated "Tier 1" costs.

There is a better way: by combining StorPool's unique distributed storage software with Micron's M500DC Enterprise SSDs, customers are able to build a dynamic infrastructure that has the scalability and efficiency of hyper-scale giants at a very competitive price point.



StorPool – The Intelligent Storage Software

StorPool is the leader in intelligent storage software. StorPool runs on standard hardware – servers, drives, networks – and turns these standard 'building blocks' into high-performance storage platforms. StorPool aggregates the capacity and performance of many drives from many servers into one shared pool of storage, distributed among the servers. StorPool replaces storage arrays (SANs, hybrid, and all-SSD) or other legacy storage software (SDS 1.0 solutions). StorPool is an excellent storage solution for building the storage layer of Private and Public Clouds. It is faster, simpler, more reliable and can reduce total costs up to several times!

M500DC: Perfect Fit for Your Distributed Storage Solution

The M500DC uses Micron's extended performance and enhanced reliability technology (XPERT) features to help ensure data integrity, extend drive life, and optimize performance.

Available in both 1.8-inch and 2.5-inch form factors and capacities ranging from 120 to 800GB, Micron's M500DC fits the broadest variety of deployments. In addition, Micron provides world-class support and proven quality and reliability that can only be offered by a truly vertically integrated SSD manufacturer.

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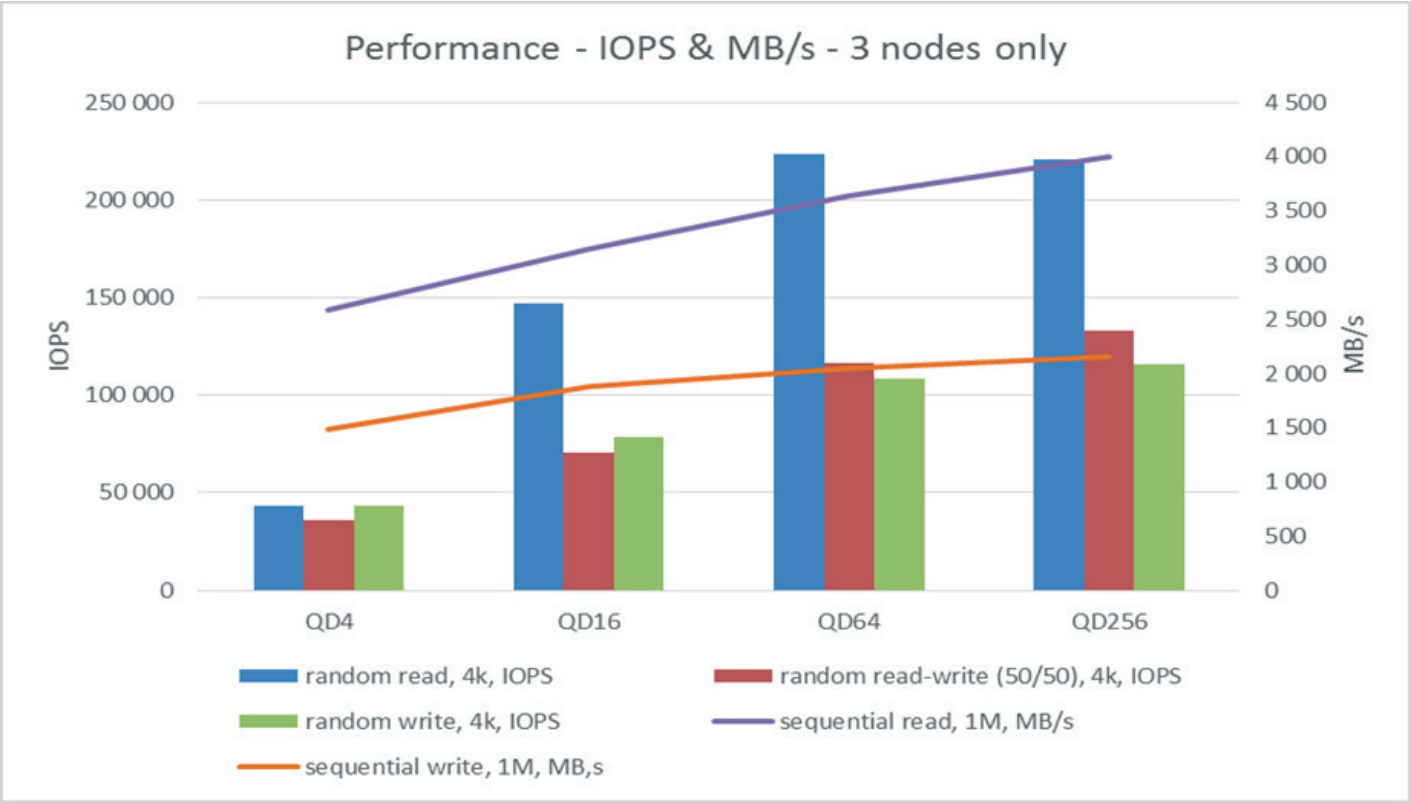
Great performance. Unmatched simplicity. Seamless scalability.



Micron and StorPool have joined forces to deliver a superior storage solution to customers. The joint solution delivers exceptional performance and reliability at optimal price levels. With StorPool and Micron companies will stay at the forefront of innovation and gain competitive advantages in terms of both technology and business efficiency.

Above are the results from tests performed on a small cluster with a total of just 3 servers, 12x480 GB Micron M500DC SSDs, 2 x 10Gb Ethernet per node, StorPool version 15.02. StorPool uses 3CPU cores per server in a converged scenario – both applications and storage (StorPool) running on the same servers.

StorPool enables High Availability via 2x replication of data (better than RAID 10). In the performance chart, 'QD' stands for Queue Depth - number of parallel requests to the system. High QD is typical for heavily loaded Cloud environments.

StorPool scales linearly in capacity and performance, meaning a cluster that is 10 times bigger would have roughly 10 times the performance and capacity, enabling seamless future growth.

It helps you:

- Reduce your total storage costs
- Simplify your storage infrastructure
- Boost the agility of your infrastructure

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