

VirtuStor

SCALE-OUT SERVER SAN



Reduce the Cost and Complexity from Storage

- ▶ Server SAN is the future of storage - it delivers affordable, reliable and resilient storage.
- ▶ In the next few years, Server SANs will replace “enterprise” storage products globally.
- ▶ Stop the expensive storage refresh for your 80% of inactive data.

VirtuStor for VMware

Enterprise storage that is affordable, reliable and resilient

Hyperscale companies generate massive amounts of data. They typically don't use expensive “enterprise” storage products.

They have developed storage solutions using commodity products like RedHat Ceph and built ‘Server SAN’ solutions.

The Future of Storage is Server SAN solutions

A Server SAN solution typically starts at a cluster of at least 3 nodes (commodity x86 servers) and often with high capacity, low cost disk drives that reduces cost and complexity without sacrificing reliability. Server SAN solutions will also replace traditional enterprise storage products over the next few years – see chart on reverse. An example is Ceph or similar to deliver the scalability at the lowest price point. VirtuStor enables you do the same “without having to build it yourself.”

80:20 Rule

Typically at least 80% - 95% of all data is inactive, cool, cold and stale. Yet today, all this vast amount of data that probably won't be accessed again residing on your most expensive storage – why? It just doesn't make sense anymore.

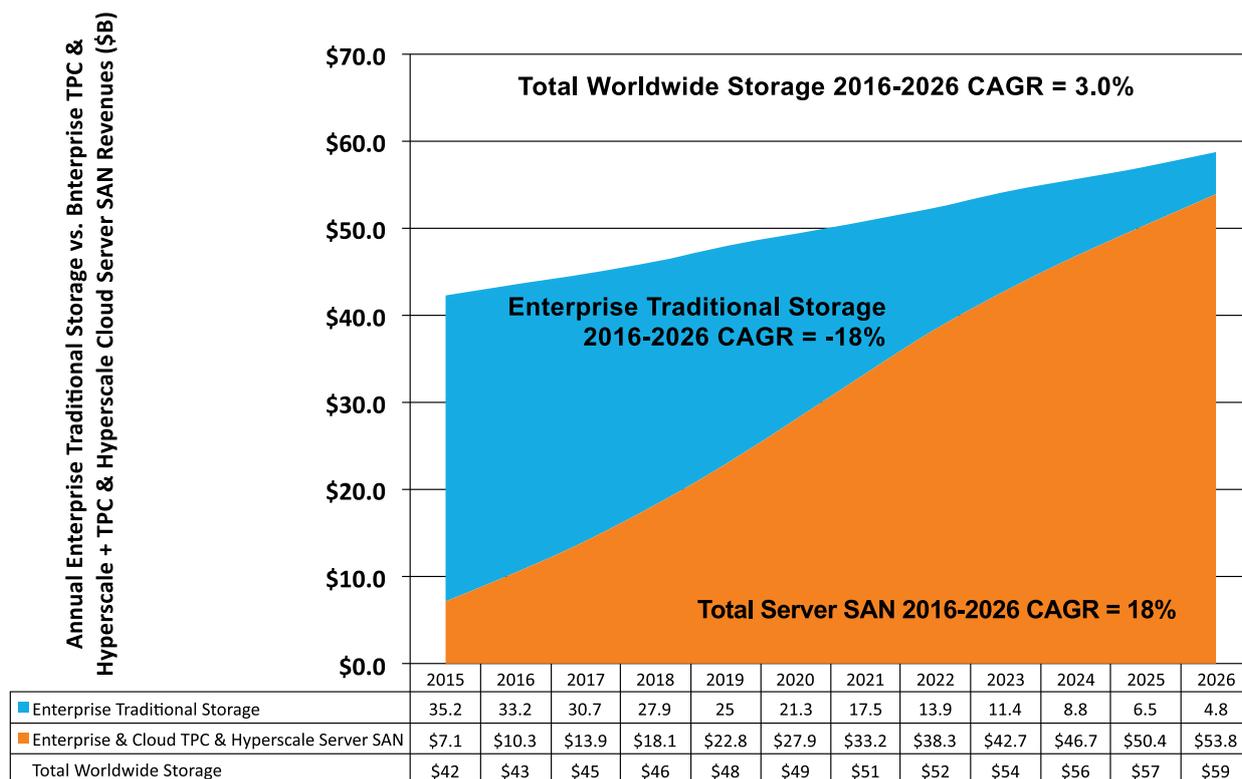
Logic says put the 5% - 20% of active, hot and warm data on local super-fast (commodity) NVMe flash on the same backplane as the application and leverage VirtuStor for the 80% to 95% of cold, inactive, and stale data to substantially reduce cost and complexity.

Virtually Unlimited Capacity with Superior Reliability

Using enterprise grade high capacity (8TB or 10TB) disk drives to store all your inactive data delivers exceptional low cost in a small form factor. Active data should be as close to your applications and compute as possible on the fastest storage available - RAM/NVMe/SSD to deliver flash-like performance for your active data without traditional costs and complexity. VirtuCache delivers this superior performance for VMware.

VirtuStor requires a minimum of three nodes - which can be virtually any commodity servers - and it builds two resilient live instances of all data. If a single, or multiple drives fail, data is instantly available on the second live instance to ensure reliability, resilience and redundancy. In the event of disk or multiple disk failures the system self-heals data from the failed drive(s) to other available drives in the cluster. For scalability, simply add more storage or another server to the cluster and it becomes immediately available. No complex or painful migrations.

Worldwide Enterprise Traditional vs. Enterprise TPC & Hyperscale + Cloud TPC & Hyperscale Server SAN Projections 2015-2026 (\$B)



Source: © Wikibon, 2017

VirtuCache to the Performance Rescue

By their nature, low cost high capacity drives are slow. Using VirtuCache at the front end, your VMware Hosts deliver superior flash like performance for all your applications. Simply add an NVMe/SSD to each Host and active data is now held close to the compute and applications. VirtuCache is very affordable at only \$167 per month per Host (AUD ex GST) billed annually.

VirtuCache
TURBOCHARGE VMWARE

Visit <https://Bit.ly/VirtuCache> for more information and to download a trial.

Download VirtuCache on your VMware Hosts and extend the life of your existing SAN while you evaluate VirtuStor as a replacement to your expensive SAN. VirtuStor enables you to spend smart money in the right place on your storage to drive scale-out Server SAN with superior flash like performance without the typical costs.

Storage Transformation is only a download away

It is hard to believe that a low cost, hyperscale storage solution can deliver similar reliability and performance to traditional enterprise storage products. **If you want to discover for yourself just how powerful, scalable and affordable storage can be using hyperscale technology call us today.**

Pilot VirtuStor Today - Call us on +61 2 8330 6717
Transform your storage and transform your business.

VirtuStor requires some professional services to get you 100% operational in a Test/Dev environment, then full production. Low OPEX investment means you get the best possible value from your next storage investment.

Leverage VirtuCache at the front end to drive superior VMware performance.



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