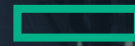




**StorPool**  
DISTRIBUTED STORAGE



**Hewlett Packard**  
Enterprise

**DATA STORAGE AS IT WAS MEANT TO BE**

PARTNER SOLUTION BRIEF

## Key Benefits

### Flexible, Reliable, Fast

- ▶ 113 million IOPS per storage cluster
- ▶ 0.1 ms read/write latency
- ▶ Maintains performance up to 95% utilization
- ▶ Better than Enterprise reliability, availability, and serviceability (RAS)
- ▶ Unparalleled data protection
- ▶ Fast and efficient erasure coding

### API-Based Automation

- ▶ Extensive customization
- ▶ Self-service automation
- ▶ Automate monthly billing
- ▶ Usage reporting
- ▶ Rapidly change storage tiers

### Low TCO

- ▶ Pay-as-you-Grow model
- ▶ TCO as low as \$0.005 per GiB sold per month
- ▶ Reduced load on workforce
- ▶ Storage cost follows your revenue

### Hardware

- ▶ Available as a service - fully managed via HPE Greenlake
- ▶ Automation and Management with HPE management tools
- ▶ Highly customizable building blocks for various use cases

### Managed Services

- ▶ Always managed
- ▶ Always monitored
- ▶ Always available
- ▶ Non-disruptive Everything

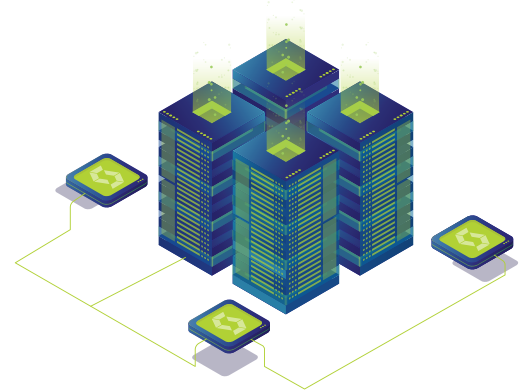
## Get the Competitive Edge with Data Storage Designed for Modern IT Infrastructure

**Challenge & Opportunity:** Traditional Data Storage has become its own dark cloud for IT Teams when it comes to the day-to-day challenges they are faced with today. From keeping systems online 24/7 to delivering fast, reliable seamless experiences to the end customer. Operations and development teams are spread thin between taking on storage related problems, developing their main cloud services and helping make them successful. The level of agility, reliability, and performance makes the difference when aiming to deliver high-quality services to customers with fast-changing needs in multiple locations around the world.

**The Modern Approach:** Today's IT needs a storage system that delivers peace of mind knowing the system just works, automation to reduce the workload on the team, and simplified monitoring. The right data storage system can mean the difference between surviving and ensuring customers are receiving the experience they demand. The StorPool Storage platform combined with HPE are exceeding the demands of modern IT Teams. The combined technologies remove old limitations and increase flexibility, enabling faster responses to market dynamics.

### Agile Data Storage

Not only meets the needs of multiple use cases with a single storage system connected to all of your cloud platforms. It allows for fast and efficient changes to your workloads' performance and size by modifying software settings or adding storage drives and servers – meaning you can easily address changes in user requirements, hardware replacements and upgrades in this always-on non-disruptive environment.



### Reliable Data Storage

For a cloud provider, data storage is a system which cannot be taken down, even for maintenance, because it's impossible to coordinate thousands of customers regarding downtime. StorPool Storage on HPE is an enterprise-grade solution offering a whole new level of reliability to the cloud with an always monitored, always managed and always available approach.

### Fast Data Storage

Designed for minimal latency from the core out, StorPool is perfect for workloads that require lightning-fast data writing and retrieval. It allows modern IT teams to deploy differentiated clouds that thrive, cost-effectively, attract, and run the applications of high-end customers who would otherwise go to hyperscale cloud service providers. In StorPool-powered clouds, the profit margins for the whole cloud environment can be optimized by consolidating user workloads into fewer infrastructure pieces.

### Manage with Ease

Full automation with API-first and a self-service approach, StorPool simplifies the management of KVM-based IT stacks managed with OpenStack, CloudStack, OpenNebula, etc. And the Fully Managed Service allows you to focus on growing your core business. In traditional virtualized environments like VMware, Oracle LVM, or Microsoft Hyper-V, StorPool volumes are attached as NVMe/TCP or iSCSI targets to store machine data. StorPool Storage provides an easy-to-use API, CLI, and GUI for such environments.

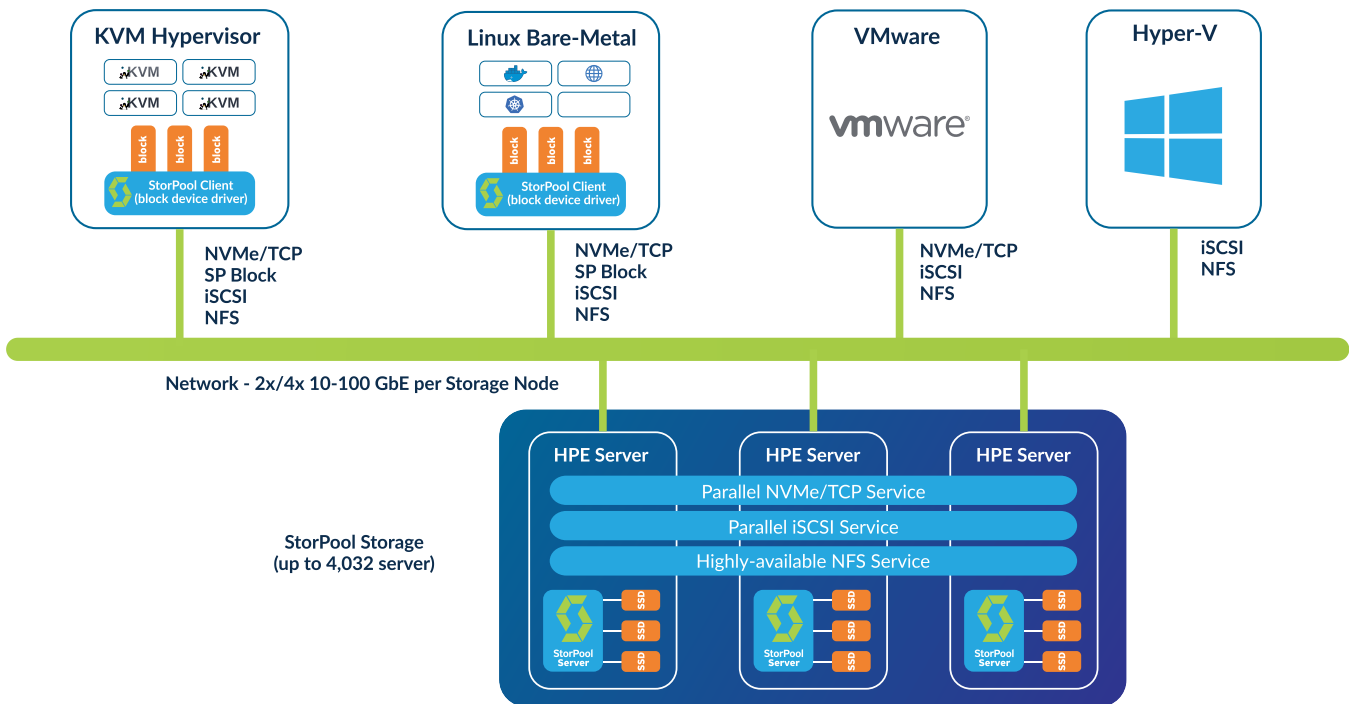
### The Right Combination of Software + Hardware + Service

StorPool and HPE provide a solution that comes with a comprehensive service wrapping - the two companies design, deploy, tune, monitor, and maintain each StorPool storage system using right-sized servers that fit the requirements of the most demanding modern IT teams. Customers can buy, lease, or rent the servers and network equipment they prefer to work with, prepare the base operating system, provide access to us and we ensure they have a working storage solution. The solution does not have hidden fees since StorPool only bills customers for the data saved in their storage systems, excluding redundancy and system overhead, converting storage from a fixed overhead to a variable cost that follows actual consumption.

The solution is optimized for HPE Proliant DL325, Proliant DL380, HPE Alletra 4000 Series servers. As shown in the table, HPE Proliant DL325 servers equipped with 10 read-intensive NVMe SSDs per server are recommended as the optimal configuration:

Component	Description	QTY
Chassis	HPE DL325 Gen10 Plus v2	1
CPU	16-core AMD EPYC 7313P	1
Memory	16 GB DDR ECC RDIMM	8
Boot Drive	240 GB M.2 SSD	1-2
NIC	Dual- port 10-100 GbE SFP+	1-2
Drives	7.68TB Read-Intensive NVMe SSDs	10

- Optimized for the parallel multi-node, shared-nothing architecture of StorPool Storage.
- Enables the fastest recovery times with the least impact on end-user workloads.
- Provides the smallest possible blast radius.
- Optimized for high-performance erasure coding that increases data efficiency by 140% for systems with 11 servers or more, reducing hardware cost per TB usable by 50%.



#### About HPE

Hewlett Packard Enterprise is one of the largest technology companies in the world. HPE Storage is widely recognized as a storage industry leader with a flexible array of products. The storage portfolio is deeply integrated with our rich ISV ecosystem of partner products to deliver enhanced, end-to-end storage, data availability, and protection and retention offerings to meet customer needs. The storage portfolio is tested with a documented set of best practices and test plans - for rapid and worry-free deployment.

#### About StorPool Storage

StorPool is a primary storage platform designed for large-scale cloud infrastructure. It is the easiest way to convert sets of standard servers into primary storage systems. The StorPool team has experience working with various clients - Managed Service Providers, Hosting Service Providers, Cloud Service Providers, enterprises, and SaaS vendors. StorPool Storage comes as a software, plus a fully managed data storage service that transforms standard hardware into fast, highly available and linearly scalable storage systems.