



vesper

DATACORE



Highly available,
Highly affordable,
Highly performant.

Vesper's All Flash and Hybrid dedicated storage appliances combine the benefits of world leaders; DataCore's record breaking software with Intel's server & storage capabilities – to quickly become the cornerstone of your mission critical infrastructure.



DataCore's Software-defined Storage (SDS) enables organisations to adopt the latest Intel® innovation, including market leading Xeon® Scalable CPU and Flash Storage; from Intel® Optane™ and NVMe to Enterprise SSD.

Vesper have brought together the power of these two technology giants to deliver a range of production-ready appliances that meet the demands of any modern day organisation. The configurations have been performance tested and priced to provide convenience and certainty.

Out-of-the-box, your organisation will benefit from blisteringly fast access to applications, databases and real-time data, all with the peace of mind that your data is constantly available and protected. These appliances have the capability to revolutionise your company, drive operational efficiency, and reduce costs.

Best Fit Use Cases

All Flash and Hybrid models fit across all verticals where predictable performance and scalability is required to support applications. Organisations looking to eliminate performance bottle necks and reduce downtime with operational ease will immediately appreciate the benefits.

Optimal Use Cases:

- Business Continuity / High Availability
- Disaster Recovery
- Storage Consolidation and lifecycle extension
- Database and analytics performance enhancement
- Remote / Branch Office / HCI
- Service Provider – dedicated VM storage
- Data Migration

The Technology What's in the Box?

Open Server Platform:

Intel® Enterprise server provides the flexibility to tailor performance to any application and budget at the same time avoiding the "storage" premiums charged by legacy "black box" vendors.

Intel® Optane™ technology:

A break through in storage and memory providing an unparalleled combination of high throughput, low latency, high QoS and very high endurance to unleash vast system performance potential.

NVMe:

The Intel® Solid-State Drive for PCIe brings extreme data throughput directly to Intel® Xeon® processors maximising performance, Intel® SSDs are optimised for real-world performance, offer best in class reliability and endurance.

Parallel IO & High Speed Caching:

DataCore shattered the world record for price/performance in the Storage Performance

Council's prestigious SPC-1 benchmark, thanks to the outstanding caching algorithms and the software's unique parallel I/O architecture.

Auto-Tiering:

Provisions and manages capacity across devices, both on premise and in Cloud, to provide the best performance and lowest cost.

Synchronous replication:

Minimises the risk of downtime, with an automated failover providing seamless business continuity.

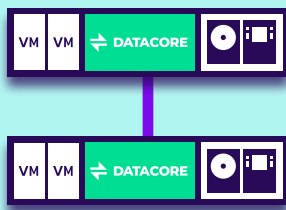
Asynchronous replication:

Protects against data-loss and allows you to resume business operations as soon as possible.

Infrastructure Agility:

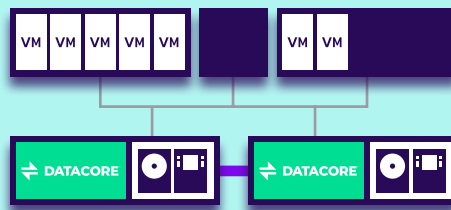
Run Dedicated Storage or Hyper-converged mode. Consolidate and enhance existing storage all through a single management interface. The choice is yours!

Range of Deployment Alternatives



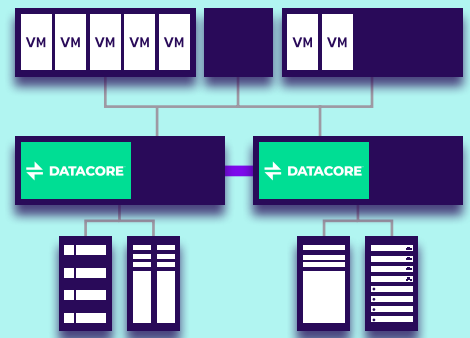
Hyperconverged

Combine, compute and storage for smallest footprint



Dedicated Storage

Dedicated storage node



Storage Consolidation

Consolidate, integrate, manage, and enhance existing storage array(s)

The Benefits On the Ground

Go Faster: Speed up application response time significantly, providing more productivity and happier users.

Business Continuity: Reduce costly disruptions and risk of data loss with synchronous or asynchronous replication and set user definable Raid Profiles.

Customisation: Both models can be customised to suit an HCI deployment. Tier 1 storage capacities can also be adjusted to suit different ratios of hot / warm data.

Ease of Deployment: With hardware and software integrated, Vesper's appliances are production ready, easy to manage and will cut administrative time.

Maximise ROI: Buying DataCore's powerful software and Intel's latest technology together means Vesper's appliances provide incredible price performance making your budgets go further.

Consolidation: DataCore supports both iSCSI and FC connectivity simultaneously giving users the ability to consolidate disparate storage environments under a single management interface. Both models support 10 and 25Gb ethernet out of the box with optional upgrades available for FC connectivity at up to 16G.

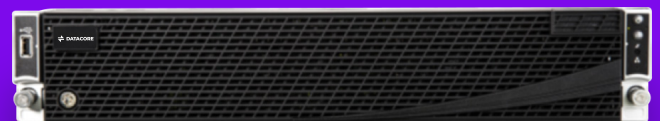
Easy Migration: No more expensive forklift upgrades. DataCore users can migrate data across disparate storage devices without downtime.

Support: Vesper provide complete assurance offering a single line of support with a range of SLA's.

Built in upgrade path: Internal storage capacity can be doubled in both models without the need to buy additional appliances.

Scalability: Start small and grow to petabytes. DataCore scales up and out with a pay as you grow licensing model.

Vesper All Flash & Hybrid Appliances



Part Code	VT-DCHYBDS	VT-DCANVDS
Description	Hybrid	All NVMe
Rack Footprint	2U	2U
CPU Core	16	16
Memory	192GB	192GB
Network	25/10Gbe	25/10Gbe
Intel® Optane™ (TB)	-	1.5
NVMe (TB)	6.4	24
SAS (TB)	19.2	-
Total Raw Storage (TB)	25.6	25.5