

HPE 3PAR 9450-4N

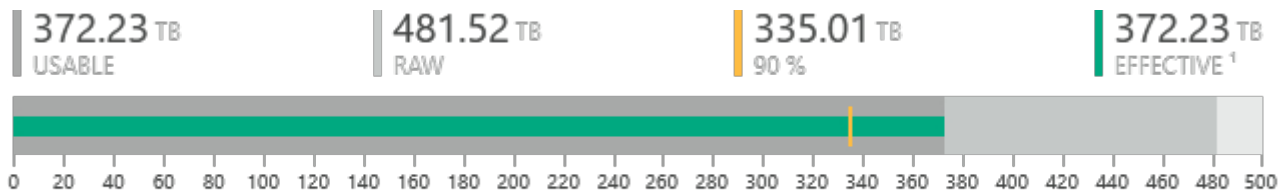
4-NODE

SUMMARY

MODEL	QTY	RAID	RAW	SPARE	USABLE
15.36TB SSD SFF	32	Raid 6 (10+2)	437.94 TiB 481.52 TB	30.66 TiB 33.71 TB	338.54 TiB 372.23 TB

CAPACITY

The total raw capacity is 481.5 TB (437.9TiB). The maximum recommended usable capacity is 335TB (304.7TiB)



¹ Effective capacity is assuming a data reduction rate of 1x, including RAID and system overhead.

DATA REDUCTION

We are able to deliver high levels of data reduction on a minimal amount of physical capacity with Adaptive Compression, Pattern Matching and incoming inline Deduplication technologies.

The sizing has been provided using a reduction ratio of **1.0** for the entire working set.



Workloads	Relative Capacity	Siz
Generic App Mix	100%	

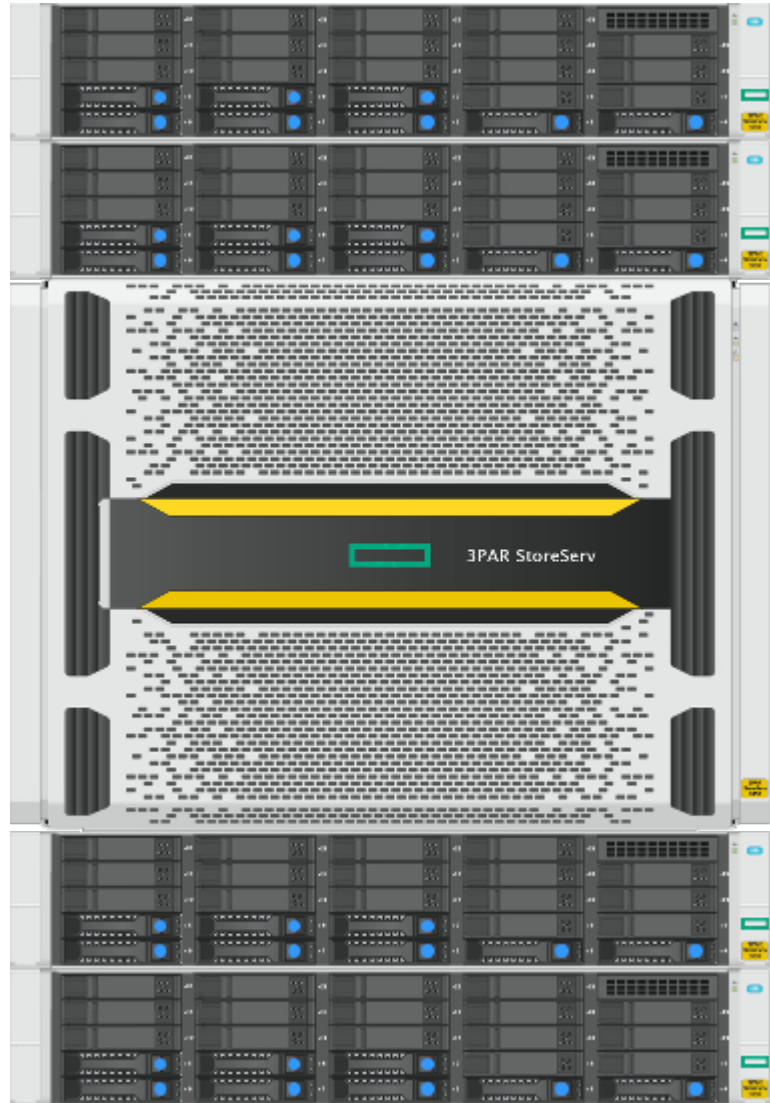
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December 2023

ENVIRONMENTALS

Rack Units	16 U
Depth	81.6 cm
Weight	188.2 kg
Cooling	5206 BTU/h
Power	1,747 Watts



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PERFORMANCE

Determining the needs of a business application can be a daunting process. Different applications (and even different deployments of the same application) can vary significantly in terms of the demands they place on their underlying hardware. The below performance figures are provided for information purposes. Use the HPE Inforsight platform to characterize real-world application needs at very fine granularity.

HPE 3PAR 9450-4N performance overview.



SSD Workloads

ACCESS	IO SIZE	READS	DATA REDUCTION	EST. PERFORMANCE
Random	4K	70%	No	309,824 IOPS, 0.4 ms

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BILL OF MATERIALS

HPE 3PAR 9450-4N

4-NODE

Quantity	Part	Description
1	Q0E92A	HPE 3PAR 9450 2N+SW Storage Base
2	Q7F41A	HPE 3PAR 9450+SW Storage Node
4	Q0E97A	HPE 3PAR 9000 4pt 16Gb FC HBA
4	Q0E95A	HPE 3PAR 9000 24-disk 2U SFF (2.5in) SAS Drive Enclosure
32	Q0F43A	HPE 3PAR 9000 15.36TB SFF SSD

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