

Configuration Summary

STORAGE TIERS

DRIVES	MODEL	RAID	HA	WORKLOAD	R/W	RAW	USABLE	MB/S	IOPS	RT (ms)
SSD	16 3.84TB SSD SFF	Raid 5 (7+1)	<input type="checkbox"/>	Random	8k 50% Read	55,86 TiB	42,24 TiB	831	106 317	0,7
NL	16 8TB NL 7.2K LFF	Raid 6 (14+2)	<input type="checkbox"/>	Random	8k 50% Read	113,95 TiB	87,25 TiB	10	1 325	28,6

FLASH USABLE CAPACITY *



RATIO
1,5:1

42,2 TiB

63,4 TiB

1:1 42,2 TiB

1,5:1 63,4 TiB

assumes 50% DeCo virtual volumes and an average data reduction ratio of 2:1

RAW CAPACITY (189,4 TB)

169,8 TiB

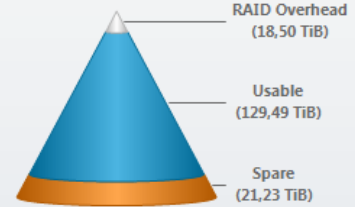
USABLE CAPACITY (142,4 TB)

129,5 TiB

MAX FRONT-END IOPS *

107 000

USABLE VS. OVERHEAD



SUMMARY

Model:	8440	SFF Enclosures:	1
Nodes:	2	Free Slots:	8
1Gb Eth RCIP Ports:	2	LFF Enclosures:	1
FC 16Gb Ports:	4	Free Slots:	8
		Total Disks:	32

PHYSICAL SPECIFICATIONS

Total Rack Space:	6U
Total Weight (without rack):	57,4 kg
Total BTU (balanced)	2873
Total Power (balanced)	0,842 kW

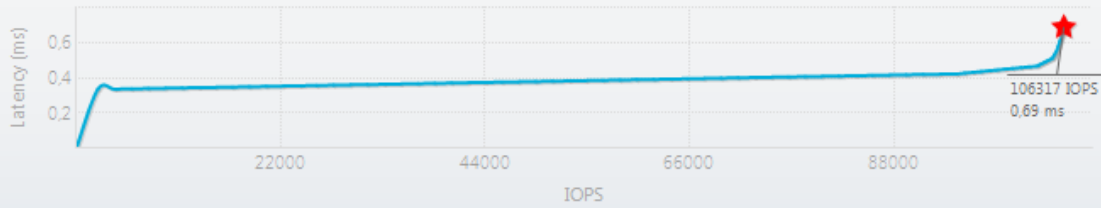
Performance Summary

STORAGE TIERS

DRIVES	MODEL	RAID	HA	WORKLOAD	R/W	MB/S	IOPS	RT (ms)
SSD 16	3.84TB SSD SFF	Raid 5 (7+1)	<input type="checkbox"/>	Random 8k	50% Read	831	106 317	0,7
NL 16	8TB NL 7.2K LFF	Raid 6 (14+2)	<input type="checkbox"/>	Random 8k	50% Read	10	1 325	28,6

SSD 16 x 3.84TB SSD SFF

RAID 5 - Random 8k 50% read/50% write (50% DeCo virtual volumes)



NL 16 x 8TB NL 7.2K LFF

RAID 6 - Random 8k 50% read/50% write



NinjaSTARS v2.12.0.1 (PEM v3.3.2)

FILE PERSONA

File Persona sizing information for SMB and NFS protocols is currently not available through NinjaSTARS . Please refer to the following guide to estimate file performance.

[Sizing and performance best practices guide for HPE 3PAR File Persona](#)

Configuration Layout



Bill of Materials

Part Number	Description	Qty
H6Y97B	HPE 3PAR 8440 2-node Storage Base	1
H6Z27A	HP 3PAR StoreServ 8000 LFF(3.5in) SAS Drive Enclosure	1
K2P91B	HPE 3PAR 8000 3.84TB SFF SSD	16
P9B44B	HPE 3PAR 8000 8TB 7.2K LFF HDD	16