Support up to 80% better throughput and increase storage efficiency with the Dell PowerMax 8500
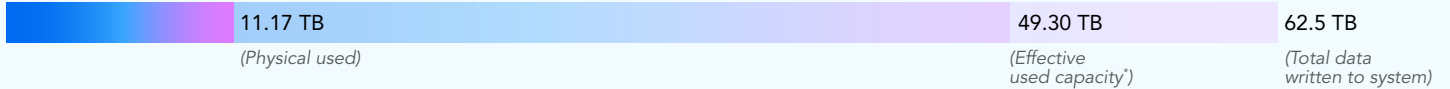
Compared to a competing array ("Vendor E solution"), the high-end Dell PowerMax 8500 storage array offered better I/O performance for simulated OLTP and data workloads, saved more space through more efficient data reduction, and performed snapshots with no performance impact

With the all-NVMe® **Dell PowerMax 8500 storage array**, enterprise-level organizations can maximize storage capacity, increase storage performance while maintaining fast response times, and capture storage snapshots with no performance impact.
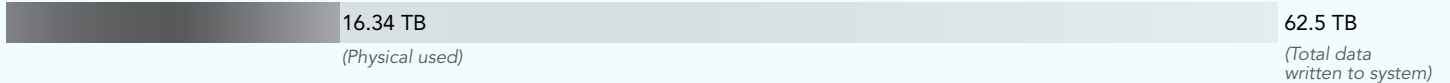
Maximize storage efficiency with 31% less storage used

Storage capacity needed for 62.5 TB of data
Lower is better

Dell PowerMax 8500 solution [Overall efficiency 4.4:1]

11.17 TB	49.30 TB	62.5 TB
(Physical used)	*(Effective used capacity*)*	*(Total data written to system)*

Vendor E solution [Overall efficiency 3.8:1]

16.34 TB	62.5 TB
(Physical used)	*(Total data written to system)*

*The Dell PowerMax 8500 calculates its data reduction ratio by taking the reported effective used capacity and dividing it by the physical used capacity. The Vendor E solution calculates its data reduction ratio by dividing the total data written to system by the used physical space.

Handle more database activity with up to 80% more throughput

Max IOPS during **simulated OLTP workload**
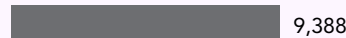IOPS | Higher is better

Dell PowerMax 8500 solution
325,946

Vendor E solution
185,492

Throughput during **simulated data extraction workload**
MB/s | Higher is better

Dell PowerMax 8500 solution
16,943

Vendor E solution
9,388

Minimize performance impacts during storage snapshot operations with 94.4% less storage latency

Average latency while taking storage snapshots
Milliseconds | Lower is better

Dell PowerMax 8500 solution
0.271

Vendor E solution
4.837

In addition to the data reduction and performance advantages we saw, the Dell PowerMax 8500 provided multi-factor authentication (MFA), proactive health monitoring, and deep integration with the cloud-native application Dell CloudIQ.

Learn more at https://facts.pt/RvJvIb8