Scalable all-flash storage for today's infrastructure

Dell Technologies designed the Dell EMC PowerStore line on a clean sheet of paper to meet the demands of current-gen and next-gen datacenters, where workloads are highly virtualized and becoming more and more containerized.



GOALS

Dell EMC PowerStore provides greater flexibility

for customers in multiple dimensions



Scale out as well as scale up



flexibility of **AppsON**



of **Anytime Upgrade**

Dell Technologies' consolidated and expanded the capabilities of their

Consolidation

existing midrange storage lines under a single platform in order to reduce complexity while streamlining the customer purchasing process.











The new Anytime Upgrade program gives customers

Eliminate Forklift Upgrades



no-downtime data-in-place upgrades to either next-gen controllers or "next-gen plus one model up." For those who need more capacity, the Anytime Upgrade Scale-out option will add another unit.

The Dell EMC PowerStore line is currently composed of six different models

MODELS

500

PowerStore

1000

3000

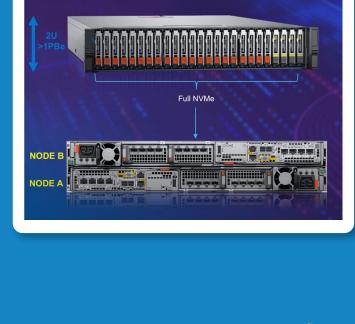
5000

to **15.36TB.**

7000

9000

Download the Spec Sheet



with expansion enclosures

Up to 2.8 PBe per appliance*

9000 models, four of these slots are reserved for NVRAM modules, and 21 slots are available for flash or Intel Optane SSDs. A PowerStore 500 model supports up to 25 drives in the appliance. A PowerStore can be configured with as few as six drives and scaled up, with single-drive granularity, until the slots in the base enclosure have been consumed.

A Dell EMC PowerStore appliance starts

with a 2U base enclosure that has two active-active nodes and 25 NVMe drive **slots**. For the PowerStore 1000 through

The drives consuming the slots are NVMe flash and range in capacity from **1.92TB**

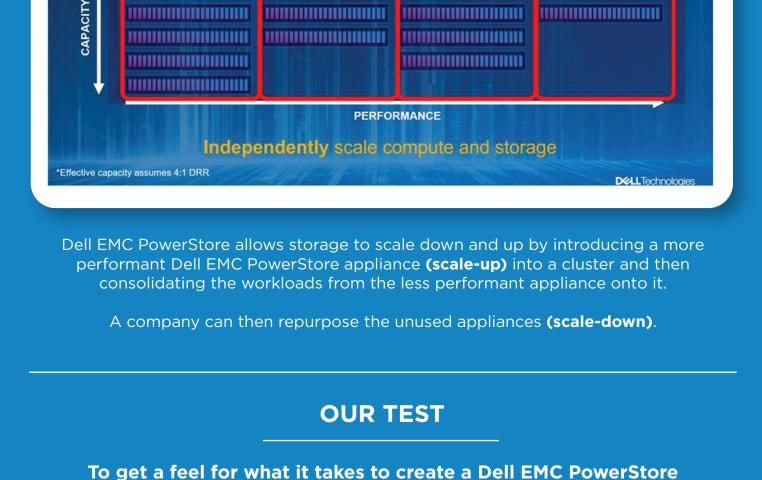


PowerStore 1000 through 9000 appliances can be scaled up by adding up to three

EFFECTIVE CAPACITY OF UP TO 11.3PB SCALE-UP SCALE-OUT

> to 8 active-active nodes Up to 11.3 PBe per cluster*

DELL EMC POWERSTORE CLUSTER CAN HAVE AN



cluster we added a 7000T to our existing 5000T.

The ease of management, monitoring, and expandability in the Dell EMC

Learn More About the Test

storage appliance was automatically departments choices to right-sizing detected and it only took a couple of their storage and does not force them clicks and three IP addresses to add it. into a one-size-fits-all model.

PowerStore line of storage appliances shows the thought that Dell Technologies put into making this line of midrange appliances.

CONCLUSION

clicks.

You can also see more information about PowerStore systems here.

This report is sponsored by Dell Technologies. All views and opinions expressed in this report are based on our unbiased view of the product(s) under consideration.

Dell Technologies made the right choice to start with a clean slate when designing the Dell EMC PowerStore line of storage arrays. By doing this, they could use the

Overall, it took us about 20 minutes to

scale out our storage by adding a

process was painless as the new

second storage appliance to it. The

latest hardware (including dual-ported Intel Optane SSDs), which increases reliability and decreases latency, as well as the latest technologies like containerization for PowerStoreOS which creates the ability to add, update, or upgrade the array in a non-disruptive manner.

In our hands-on testing, we found that we could set up the array in only seven clicks, and then get usable storage for our vSphere environment with just a few more. We were then able to import the database from an SQL server that

PowerStore all from the PowerStore

interface with a minimal amount of

was being stored on Unity to

The ability to scale up as well as out

somewhat unique among midrange

using PowerStore appliances is

storage lines but it gives IT

If you want some hands-on-time with Dell EMC PowerStore, Dell Technologies has set up a Hands-on Lab and Interactive demo for it.

StorageReview

StorageReview is a leading provider of news and reviews throughout the entire IT stack - from the datacenter to the edge, and all points in between.









D¢LLTechnologies