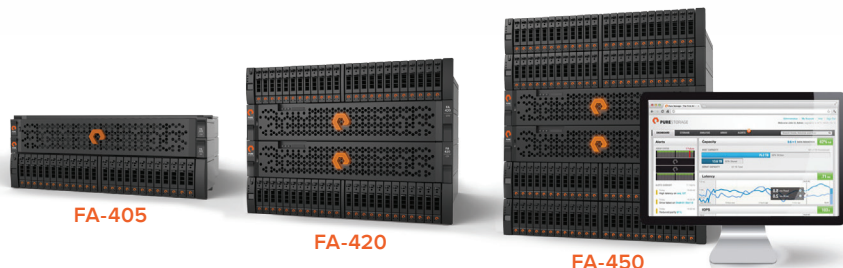


Pure Storage FlashArray

THE ALL-FLASH ENTERPRISE ARRAY

All-flash enterprise storage for less than the cost of spinning disk.



Accelerate Databases and Applications

- Speed transactions by 10x with consistent low latency
- Enable online data analytics across wide datasets
- Mix production, analytics, dev/test, and backup workloads without fear

Virtualize and Consolidate Workloads

- Easily accommodate the most IO-hungry Tier 1 workloads
- Increase consolidation rates, reducing servers
- Simplify VI administration and accelerate common administrative tasks

Deliver the Ultimate Virtual Desktop Experience

- Support demanding users with better performance than physical desktops
- Scale without disruption from pilot to >1000's of users
- Experience all-flash performance for under \$100/desktop

Protect and Recover Vital Data Assets

- Provide an always-on global protection for business-critical data
- Maintain performance, even under failure conditions
- Recover instantly with FlashRecover

The simplest storage you'll ever use



No more managing performance, RAID, tiers or caching. FlashArray makes storage simple. And if you don't love it, return it for a full refund. It's the broadest guarantee in the storage industry. For details visit purestorage.com/guarantee.

A better approach to storage acquisition and lifecycles

Tired of forklift upgrades and maintenance extortion? Incrementally expandable and always non-disruptive, we make software and hardware upgrades easy and economical.

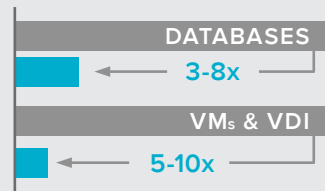


FOREVER
FLASH

FlashReduce

INLINE DATA REDUCTION

- 5-10x space savings
- Inline compression and deduplication



FlashProtect

ENTERPRISE RESILIENCY

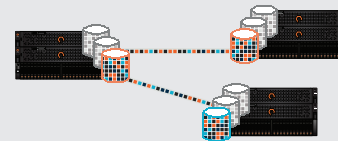
- Non-disruptive everything
- >99.999% availability
- High-availability with full performance



FlashRecover

GLOBAL DATA PROTECTION

- Space-efficient snapshots
- Replication and recovery leverage space efficiency
- Complete automation via protection policies



Consistent Performance

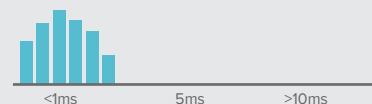
100% FLASH RESULTS

- >10x faster than disk
- 100,000s of IOPS
- <1ms consistent latency

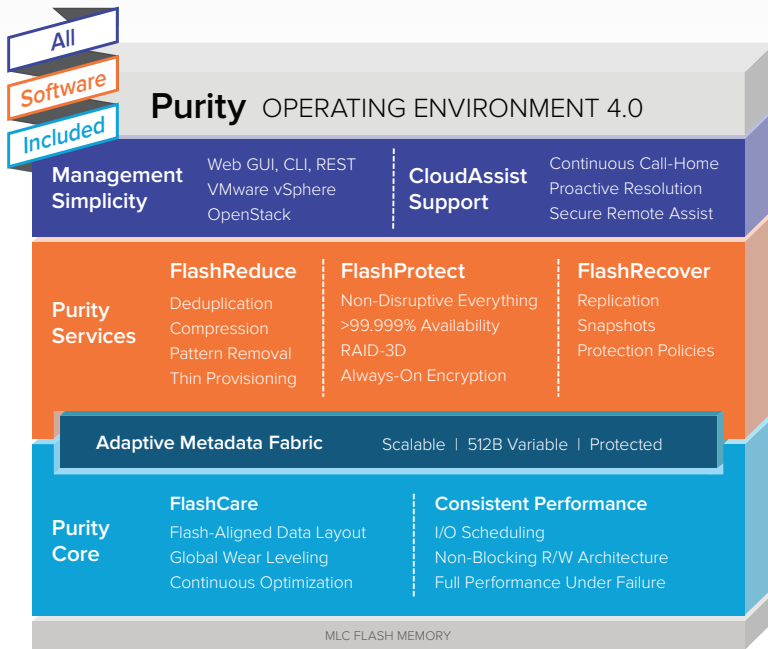
DISK WITH FLASH CACHE:



PURE STORAGE ALL FLASH:



The FlashArray is powered by the **Purity Operating Environment**, storage software designed for 100% flash:



"Pure's performance is great – in fact it's over-performing, doing even more than what we need as we add additional data sets."

- Brent Allen
Director of Infrastructure



"Previously, this process typically took up to 11 days – which is why we only used to do it once per quarter. With the FlashArray we can now snapshot all of our SQL databases, copy them, and mount the copies to a scrubbing server in under five minutes."

- David Gloff
IT Operations Manager



"Flash was the right answer for all our OLTP environments, while it was a slight capex cost premium for us initially, it ended up driving our TCO much lower and enabled developers to do more, storage engineers to do a lot more work, database administrators to sleep at night, and just made everything a lot easier."

- Justin Stottlemeyer
Fellow



"I don't ever need to use a physical host again. The FlashArray enables me to virtualize everything."

- Dave Comben
Head of IT Infrastructure Services



FA-405

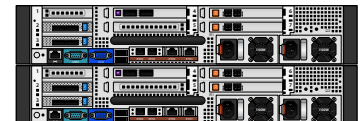
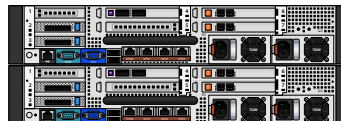
FA-420

FA-450

FRONT VIEW (dual controllers)



REAR VIEW (dual controllers)



CAPACITY

- Up to 40+ TBs effective capacity
- 2.75-11 TBs raw capacity

- Up to 125+ TBs effective capacity
- 11-35 TBs raw capacity

- Up to 250+ TBs effective capacity
- 34-70 TBs raw capacity

Effective capacity assumes HA, RAID, and metadata overhead, GB-to-GiB conversion, and includes benefit of data reduction with always-on inline deduplication, compression & pattern removal. Average data reduction is calculated at 6-to-1. Some customers see data reduction in excess of 20-to-1. Effective capacity has no upper limit and will vary depending on workload.

PERFORMANCE

- Up to 100,000 32K IOPS
- @ <1ms average latency
- Up to 3 GB/s bandwidth

- Up to 150,000 32K IOPS
- @ <1ms average latency
- Up to 5 GB/s bandwidth

- Up to 200,000 32K IOPS
- @ <1ms average latency
- Up to 7 GB/s bandwidth

Why does Pure Storage quote 32K, not 4K IOPS? The industry commonly markets 4K IOPS benchmark to make numbers look high, but real-world environments are dominated by IO sizes of 32K or larger. Pure Storage has optimized the FlashArray for the real-world. FlashArray adapts automatically to 512B-32KB IO for superior performance, scalability, and data reduction.

HOST CONNECTIVITY

- 8 Gb/s Fibre Channel
- 10 Gb/s Ethernet iSCSI
- Replication ports

- 8 Gb/s Fibre Channel
- 10 Gb/s Ethernet iSCSI
- Expansion slot (FC or iSCSI)
- Replication ports

- 16 Gb/s Fibre Channel
- 10 Gb/s Ethernet iSCSI
- Expansion slot (FC or iSCSI)
- Replication ports

SIZE, POWER & WEIGHT

- 2 x 1U HA Controllers
- 330 Watts/controller
- 33.5 pounds/controller
- 1.72" x 17.08" x 23.74"

- 2 x 2U HA Controllers
- 400 Watts/controller
- 44 pounds/controller
- 3.44" x 17.08" x 29.75"

- 2 x 2U HA Controllers
- 500 Watts/controller
- 44 pounds/controller
- 3.44" x 17.08" x 29.75"

