

FLASHBLADE FOR SPARK

All-Flash Storage designed for the big data analytics that will drive tomorrow's businesses

PURITY

SCALE-OUT STORAGE SERVICES WITH DIRECTFLASH



SIMPLE TO MANAGE

Scale-out everything instantly by simply adding blades

NFS, Object/S3

Centralized cloud management and support via Pure1™



HIGH PERFORMANCE

Up to 17 GB/s of bandwidth per chassis, and 1M IOPS

Fast metadata and IOPS operations

Consistent all-flash performance with no caching or tiering



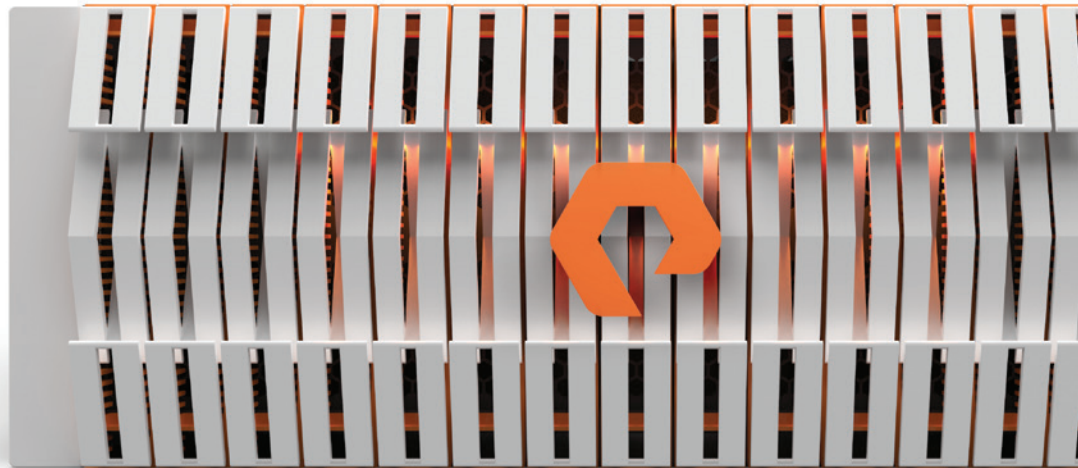
EXTREME SCALABILITY

Up to 10s of Petabytes

10s of Billions of files and objects

10s of Thousands of clients connected

All in an unbelievably small all-flash footprint



HARNESS THE POWER OF DATA AT SCALE

Apache Spark's powerful, large-scale data processing has made it a core analytics technology for organizations. With performance that's up to 100x faster than Hadoop, Spark makes large demands on underlying storage infrastructure. The Pure Storage FlashBlade™ array is an all-flash data platform that not only handles Spark's data requirements with ease – it accelerates Spark queries by up to 6x. Easily deployed, scaled, and managed, FlashBlade delivers competitive advantages over existing storage architectures.

6x Faster Queries vs Public Cloud:

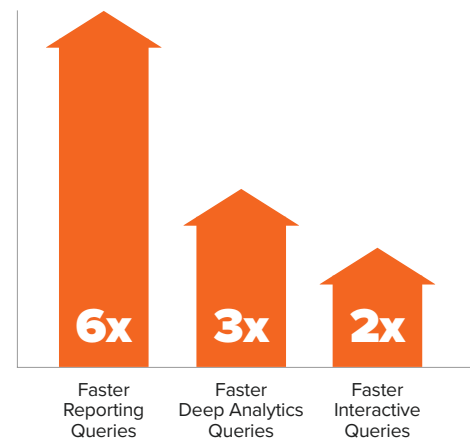
Accelerate Spark Reporting queries by 6x, and get 2x faster Interactive queries and 3x faster Deep Analytics queries.

Flexible Scale, Easy Consolidation:

Scale compute and storage independently. Consolidate multiple workloads *and* your Spark Environment to FlashBlade.

Use Any Orchestration System/File

Format: The FlashBlade array is ready to use with all the file management tools typical to Spark – Mesos, Kubernetes, Parquet, Hadoop Yarn, and more. With a full REST API coming soon, you'll be able to integrate FlashBlade with any tool you choose.



THE FLASHBLADE DIFFERENCE

CLOUD-ERA FLASH

EFFORTLESS

Our solutions are always-on, and always fast. They're ultra-reliable and plug-n-play simple, with cloud-based management, predictive analytics, and unrivalled support and protection.

EFFICIENT

You save 10x on space while gaining 10x in speed. And your workloads are protected with service assurance: high mixed workload performance, and full performance even through failures and upgrades. No more tuning of anything – ever.

EVERGREEN

The only storage that gets better with age. Tired of forklift upgrades and maintenance extortion? Buy your TBs once, never rebuy them again, and never go through a disruptive migration. Expand capacity, performance, and features independently as you get value from your storage for a decade or more.



BLADE

SCALE-OUT DIRECTFLASH + COMPUTE

Ultra-low latency, 8 & 52TB capacity options that can be hot-plugged into the system for expansion and performance

PURITY

SCALE-OUT STORAGE SOFTWARE

The heart of FlashBlade, implementing its scale-out storage capabilities, services and management

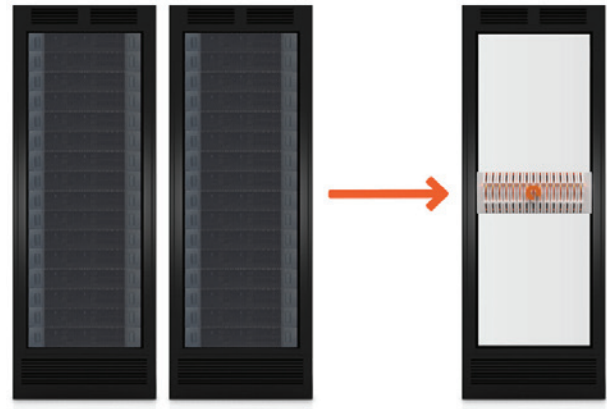
FABRIC

LOW-LATENCY, SOFTWARE-DEFINED NETWORKING

Includes a built in 40Gb Ethernet fabric providing a total network bandwidth of 320Gb/s for the chassis

POWER, DENSITY, EFFICIENCY

FlashBlade delivers industry-leading throughput, IOPS, latency, and capacity – in 20x less space and 10x less power and cooling.



SPECIFICATIONS

		8 TB BLADE	52 TB BLADE
7 Blades		98 TBs Usable	591 TBs Usable
15 Blades		267 TBs Usable	1607 TBs Usable

* Usable capacity assumes 3:1 data reduction rate. Actual data reduction may vary based on use case.

PERFORMANCE

17 GB/s bandwidth per chassis
Up to 1M IOPS

CONNECTIVITY

8x 40Gb/s or
32x 10Gb/s Ethernet ports / chassis

PHYSICAL

4U
1,800 Watts (nominal at full configuration)