

# 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



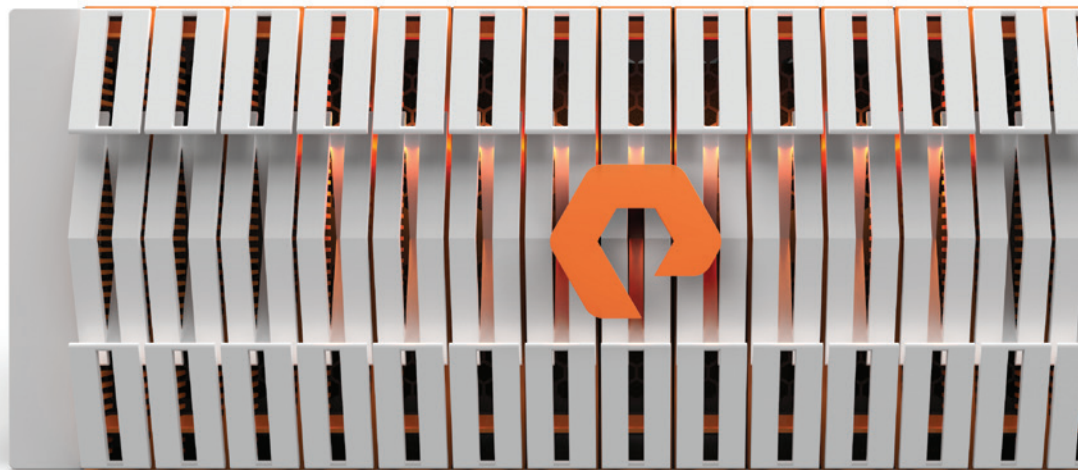
## EXTREME SCALABILITY

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:

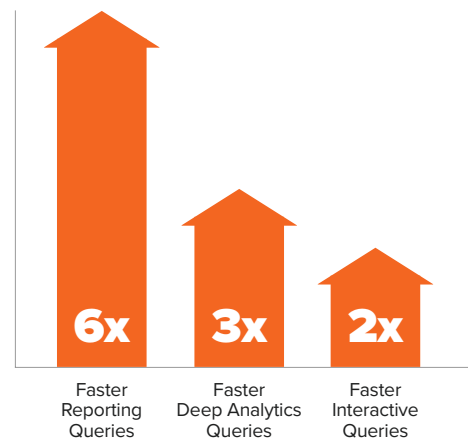
Accelerate Spark Reporting queries by 6x, and get 2x faster Interactive queries and 3x faster Deep Analytics queries.

### 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

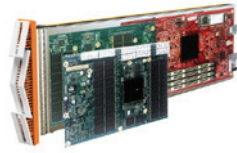
Our solutions are always-on, and always fast. They're ultra-reliable and plug-n-play simple, with cloud-based management, predictive analytics, and unrivalled support and protection.

### 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
<b>7 Blades</b>		98 TBs Usable	591 TBs Usable
<b>15 Blades</b>		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)