PURESTORAGE®

Archives and Data Management Systems in the Big Data Era

The Pure Storage Way

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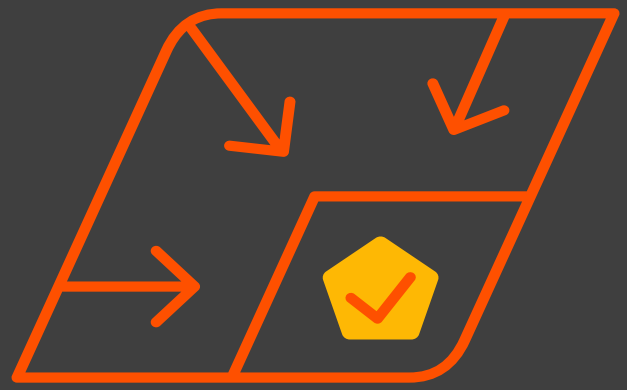
Why Pure Storage

DirectFlash

Data Reduction

Evergreen



PURESTORAGE®

11X A Leader, 5X Furthest in Vision and Highest in Execution*

Figure 1: Magic Quadrant for Primary Storage Platforms

Gartner

PURESTORAGE®

4X A Leader

Pure Storage is a Leader for the Fourth Consecutive Year!

2024 Gartner® Magic Quadrant™
for File and Object Storage Platforms

Figure 1: Magic Quadrant for File and Object Storage Platforms

Gartner

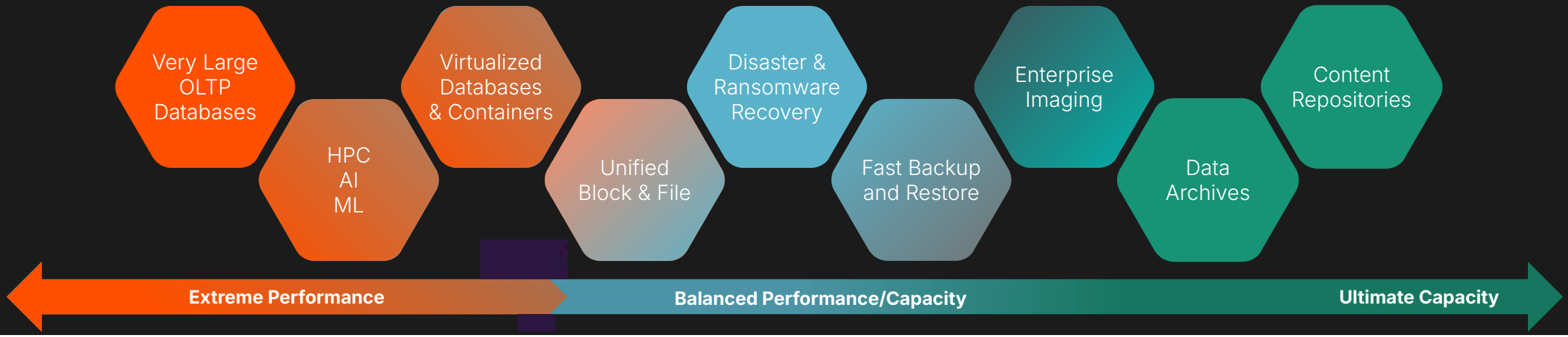
Gartner

*This includes 5 years as A Leader in the Magic Quadrant for Solid State Arrays, and now 6 years as A Leader the Magic Quadrant for Primary Storage.

Born Flash to target all the critical Use Cases

Primary Applications Platform

Always-on Data Repository



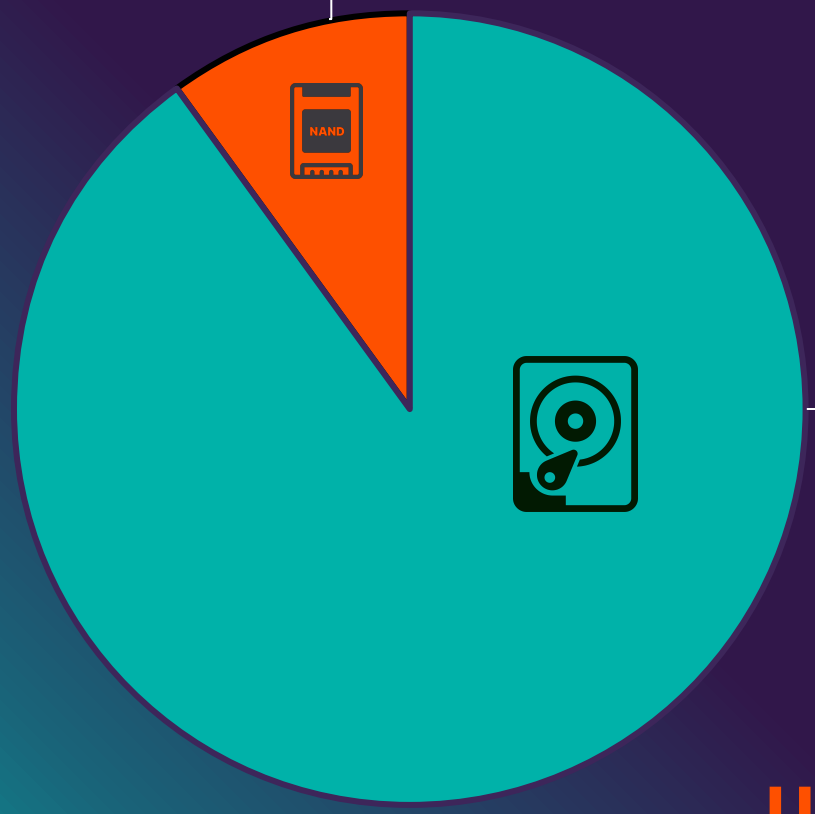
Block **Files** **Objects**

Purity FA DirectFlash®

FA FB

AIOps: Pure1 - GUI/CLI/API -

90% of unstructured data lives on disk



Flash for high performance workloads

For the majority of unstructured data, disk WAS the only option

Unstructured data growth is unsustainable,
using current disk-based storage solutions

Where disks/tapes underdeliver

Disk is no longer improving at the rate to support capacity-optimized unstructured workloads

Too much space

Imagine needing 10x the space of your current disk-based storage.

Too much energy

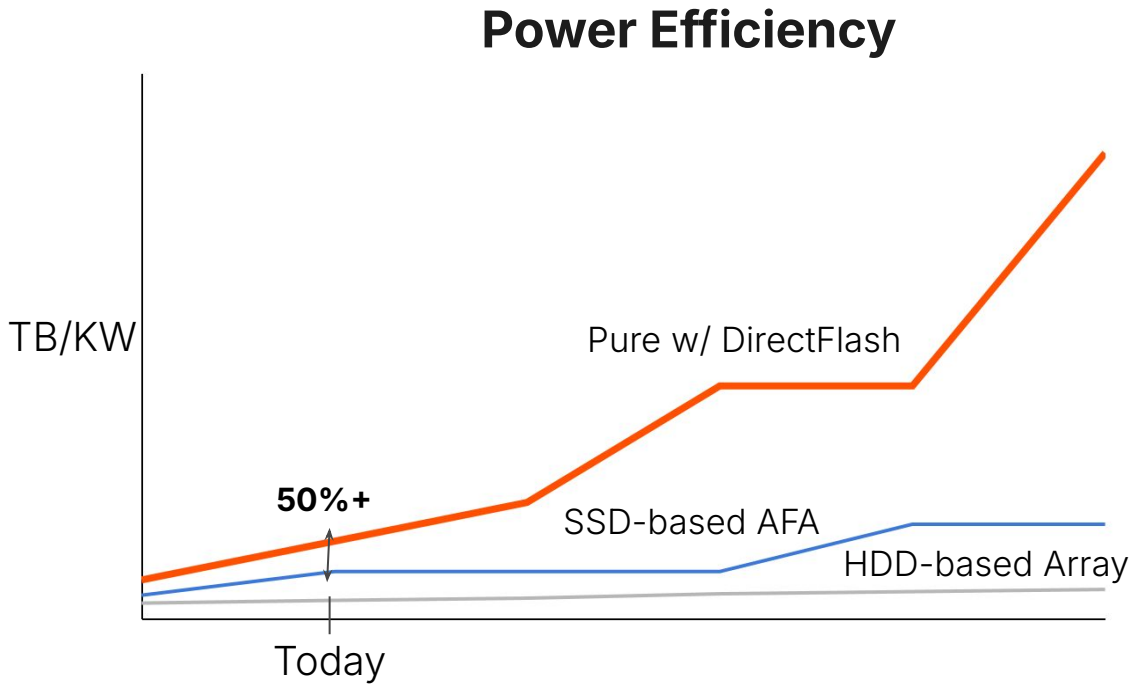
10x the energy-usage as costs continue to climb.

Too many resources

More racks, more complexity, more e-waste, more FTEs.

Direct Flash Drives Density

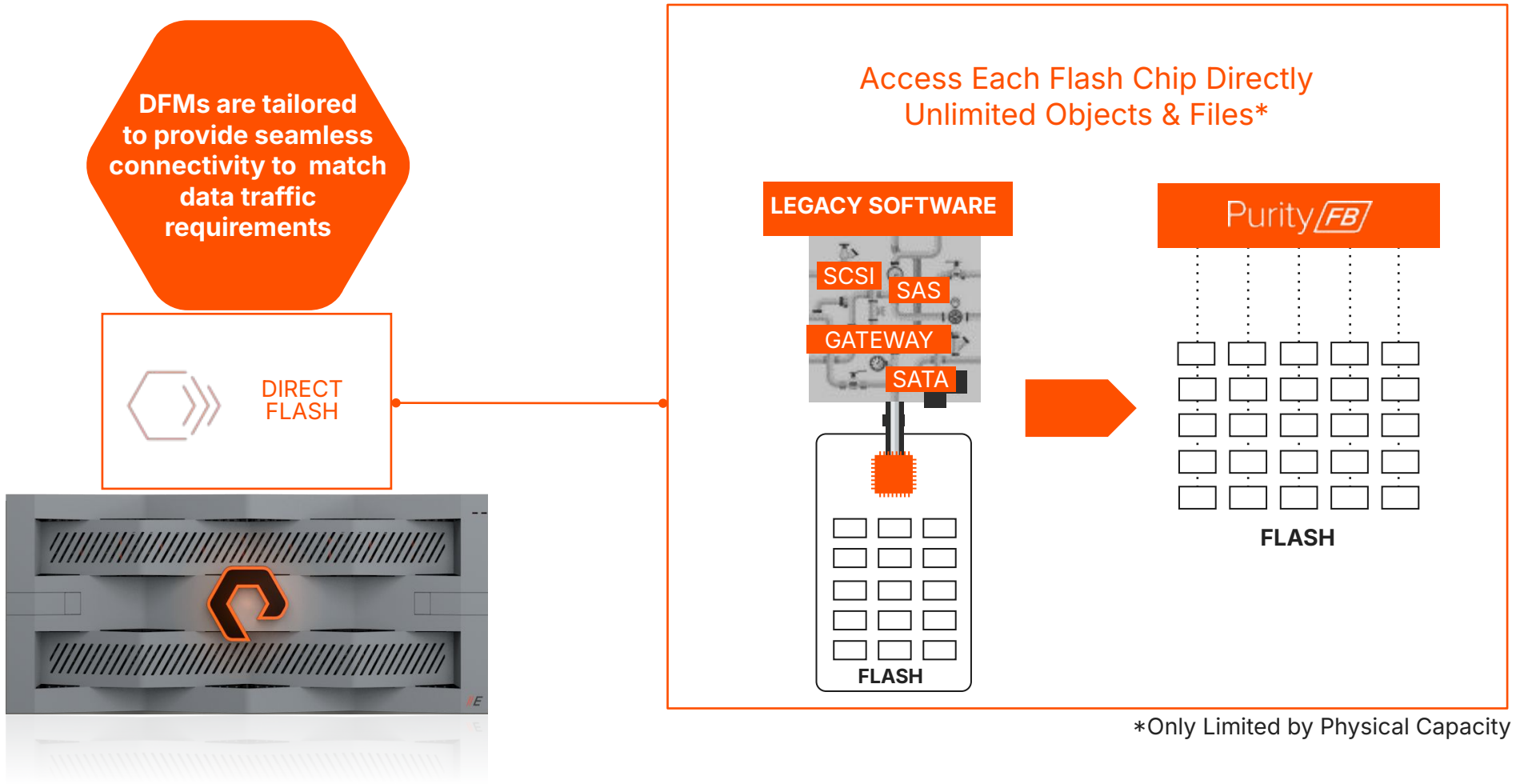
DFM(e) - Density drives efficiency



Direct Flash gives us a path to the **reliability, efficiency, and density.**

Direct Flash with FlashBlade//E

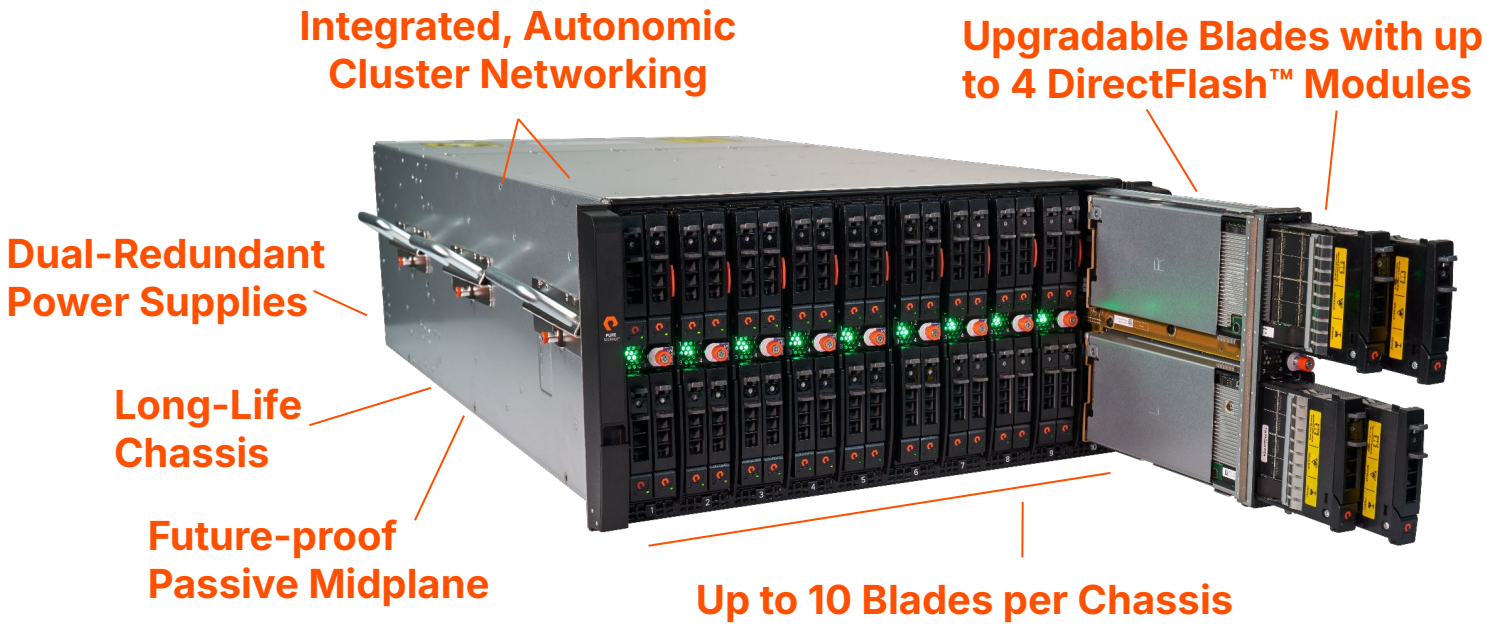
Legacy flash connectivity vs DFM(e)



*Only Limited by Physical Capacity

Fully Redundant, Modular Hardware Platform

Designed for the next ten years of hardware innovation



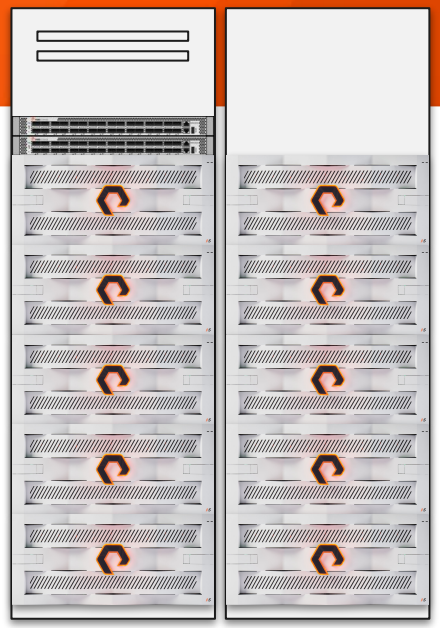
A flexible hardware architecture that can seamlessly evolve as your workload requirements grow and change over time.

Scale from tens of Terabytes to tens of Petabytes

Minimum Configuration

FB//S100

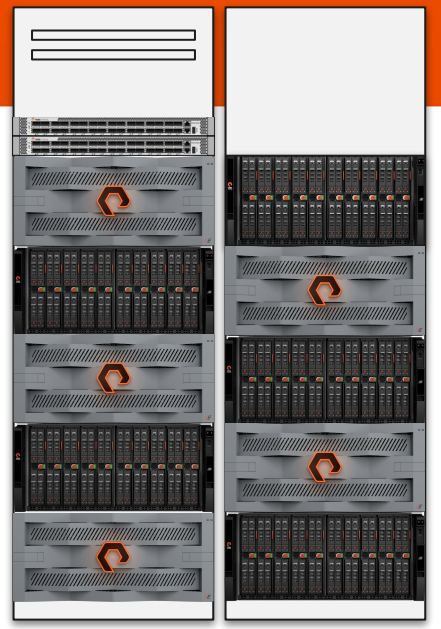
- 1 Chassis
- Raw: 126TB
- Usable: 68TB
- Effective @ 2.2:1 DRR : 136
- Rack Units: 5RU
- **Low entry-point**
- **Fully featured**
- **Upgradeable in place**



Max Performance Config.

FB//S500

- 10 Chassis
- Raw: 30,000TB
- Usable: 25,000TB
- Effective @ 2:1 DRR: 50,000TB
- Rack Units: 52
- **340GB/s Read & 110GB/s Write**
- **For latency sensitive and high-throughput workloads**



Max Capacity Config.

FB//E

- 10 Chassis
- Raw: 60,000TB
- Usable: 50,000TB
- Effective @ 2.2:1 DRR: 110,000TB
- Rack Units: 52
- **48GB/s Read & 28GB/s Write**
- **Low Time to First Byte (TTFB)**
- **Up to 2.5TB/Watt**

More Efficient Technology

Pricing competitive to HDD

DirectFlash DFMe has enabled all-flash system pricing to match that of HDD arrays

Lower TCO

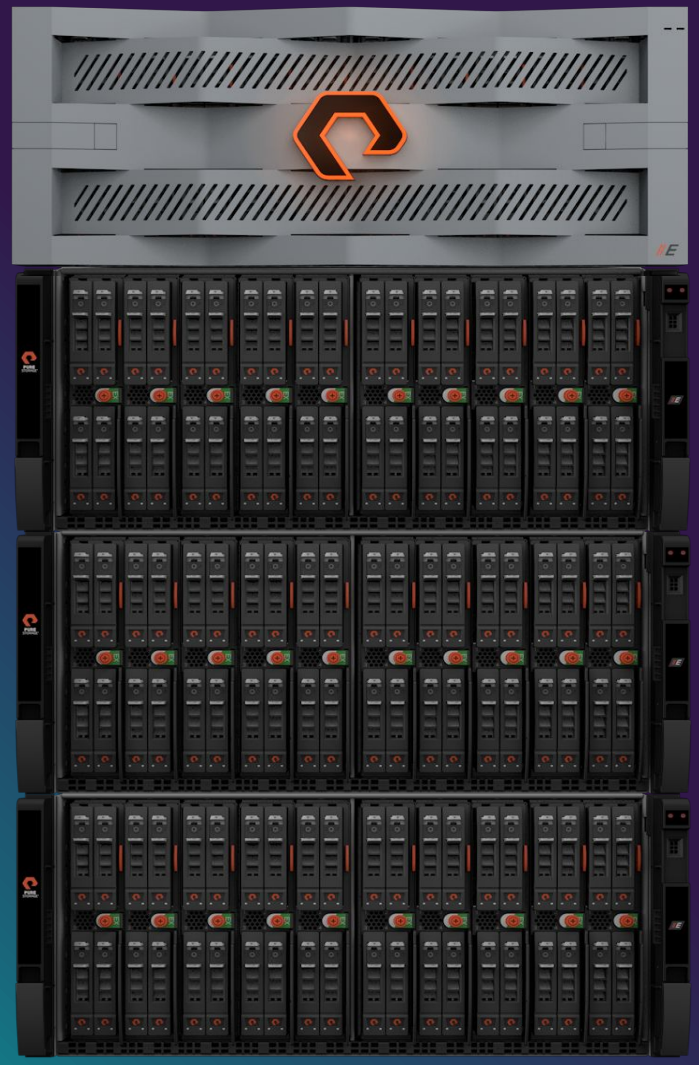
Space: >14x denser and improving

Energy: >6x higher TB/W and improving

Reliability: 7x lower failure rate, 2x longer life

Meet an All Flash Storage FlashBlade//E

About 0.5KW/PB Power Consumption **(will be even denser with 300TB NVMe Modules)**



1 FTE to Manage it

Never Migrate Data Again

No More Service Disruptions

Up to 60PB in a single cluster

70 Quadrillions of Files/Objects - Open protocols

It works great with every File/Object Size (1KB and above)

No software licenses

Encryption is embedded (no need for Key Management)

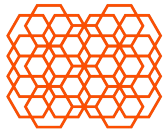
Embedded Immutable Copies - Object WORM

Standard Protocols - SMB/NFS/S3 API

SW/HW Updates are not disruptive and transparent to Data Access

INAIL sceglie la tecnologia all-flash Pure Storage

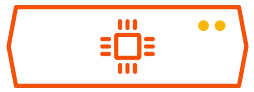
https://www.purestorage.com/it/company/newsroom/press-releases/inail-choses-all-flash-tech-and-data-protection-with-pure-it.html



Maggiore densità storage e resilienza

Petabyte di dati non strutturati in **poche unità rack**

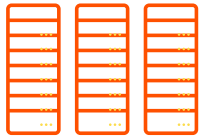
Livelli di throughput estremamente elevati



Minore manutenzione, maggiore continuità operativa

Esigenze di **manutenzione ridotte** con l'all-flash rispetto ai dischi tradizionali

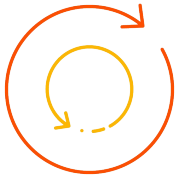
Uptime pari praticamente al 100%



Minori consumi per alimentazione e raffreddamento

Efficienza intrinseca della tecnologia flash

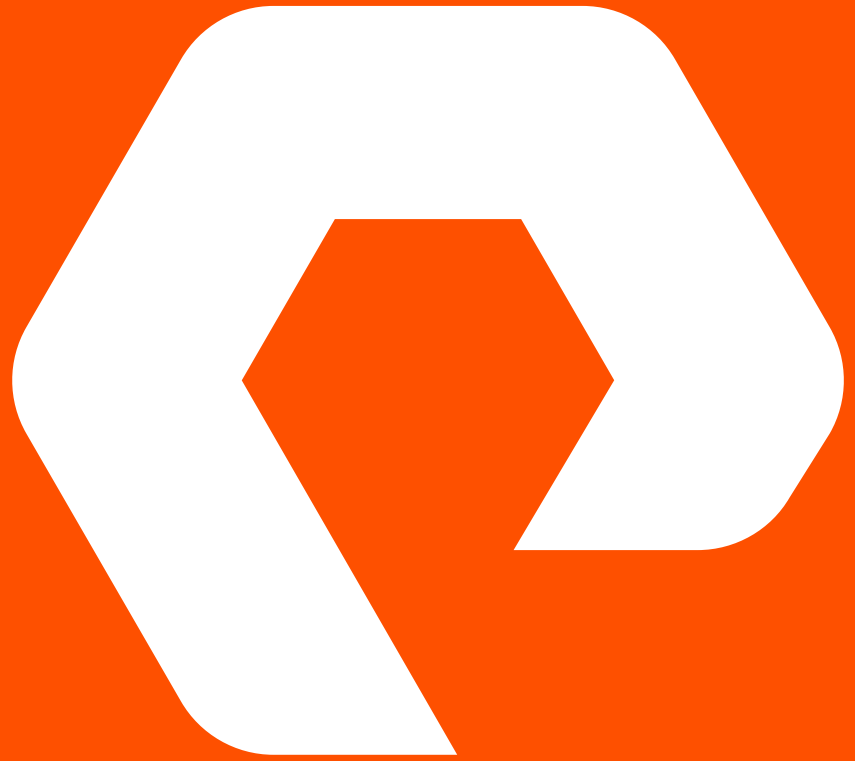
Consumi energetici di alimentazione e raffreddamento del data center significativamente ridotti



Implementazione di una soluzione Rapid Restore

Rapid **Restore** con velocità di oltre **270TB/ora**

Disponibilità continuativa del servizio



Uncomplicate Data Storage, Forever