

PURE STORAGE

A BETTER CUSTOMER EXPERIENCE THROUGH INNOVATION



SIMPLE AND AUTOMATED



MOST EFFICIENT ARCHITECTURE



MISSION-CRITICAL RELIABILITY + SUPPORT



CUSTOMER FOCUSED CONSUMPTION MODEL





INNOVATION = BUSINESS VALUE

LOWER TCO

DATA REDUCTION

80%

5:1 DATA REDUCTION WITHOUT THIN PROVISIONING **EVERGREEN ESTATE**

100%

NON-DISRUPTIVE TECH REFRESH

REDUCED ENVIRONMENTALS

75%

KWH THAN COMPETITION

LOWER OPERATIONAL COST

75%

THAN COMPETITION

LOWER RISK

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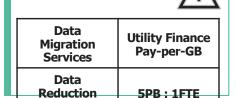
OPERATIONAL SOUNDNESS

99.9999%

UPTIME

RISK SHARE

Guarantee



DRIVE GROWTH

REVENUE GROWTH

Applications



No Investment

INNOVATION





A LEADER FIVE YEARS IN A ROW

A MAGIC QUADRANT LEADER

Figure 1. Magic Quadrant for Solid-State Arrays



Source: Gartner (July 2018)

Gartner

Source: Gartner Magic Quadrant for Solid-State Arrays, Valdis Filks, John Monroe, Joseph Unsworth, Santhosh Rao, 23 July 2018.

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https://www.purestorage.com/microsites/gartner-mq-2018.html





4 CORE TECHNOLOGIES

THAT MAKE FLASHARRAY DIFFERENT







512-BYTE VARIABLE METADATA POWERS EVERYTHING IN PURITY

- BETTER DEDUPE
- BETTER COMPRESSION
- NATIVE GC & FLASH MANAGEMENT







ALWAYS UPGRADABLE
KEEP PACE WITH FLASH
& CPU ADVANCES



THE AI ENGINE THAT AUTOMATES MANAGEMENT & SUPPORT









FLASHARRAY BENEFITS

(SAS vs DIRECTFLASH)

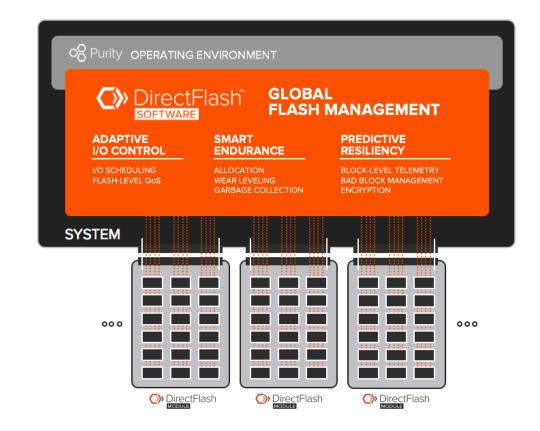




INCREASE IN IOPS PER GB

2X

TBs PER RU



Up to **20%**

CAPACITY EFFICIENCY

3X

INCREASED
WRITE BANDWIDTH





Purity for FlashArray delivers **99.9999% proven availability**, inclusive of maintenance, failures, and generational upgrades.

NON-DISRUPTIVE EVERYTHING

Active/Active High Availability



Mirrored NV-RAM



Hot-Swappable Components



Stateless Controller Architecture

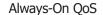


DATA THAT'S ALWAYS PROTECTED



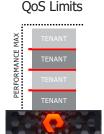
- Concurrent dual-drive failure protection, and re-builds around failures automatically within minutes.
- Checksums and dedicated parity to detect and heal around bit error issues.
- Consistent latency delivered and performance variability treated as failure, with parity used to work around potential bottlenecks.

WORKLOAD CONSISTENCY





No knobs, and nothing to configure: protects against noisy neighbors.



Performance consumption limits to ensure a consistent experience for tenants.



Purity*[FA]*

2X BETTER DATA REDUCTION

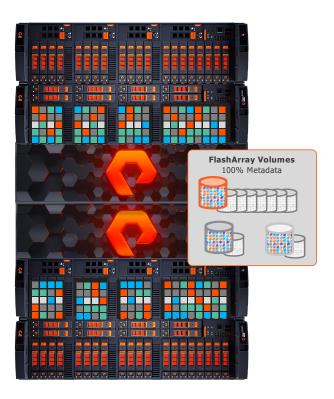
POWERS BEST IN CLASS POWER, COOLING, AND FOOTPRINT EFFICIENCY

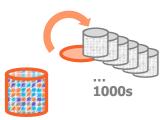
AVERAGE DATA REDUCTION RATE (COMPRESSION + DEDUPLICATION ONLY)

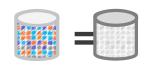
AVERAGE TOTAL REDUCTION (COMPRESSION + DEDUPLICATION + THIN PROVISIONING)

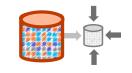


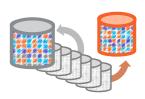
SIMPLE, LIMITLESS SNAPS











INSTANTLY SNAPSHOT ANY VOLUME

- Zero reservations or planning required
- Zero performance overhead
- Flexible consistency groups

SNAPSHOTS ARE JUST NEW VOLUMES, WITH FULL CAPABILITIES

- Mount, read, write, snapshot again, etc.
- Zero dependencies on one another
- All have full performance

ALWAYS FULL YET SPACE SAVING

- Zero data duplication
- Always thin, deduped, compressed

RECOVER ANYTHING TO ANYWHERE

- · Instantly roll forward or backward
- Recovery ANY volume from ANY snapshot





END-TO-END NVMe PERFORMANCE WITH ENTERPRISE CLASS DATA SERVICES

UP TO

50% 20% 25%

LATENCY REDUCTION COMPARED TO ISCSI

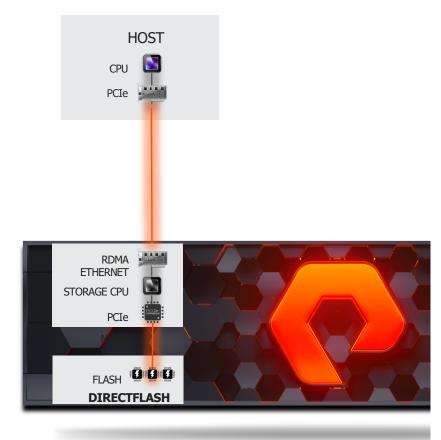
UP TO

LATENCY REDUCTION COMPARED TO FC

UP TO

HOST CPU OFFLOAD

NVME OVER FABRICS via RDMA over CONVERGED ETHERNET PURITY 5.2 + FLASHARRAY//X + RDMA ENABLED CARD





CONSOLIDATE AND OPTIMIZE APPLICATIONS





INDUSTRY-LEADING 5:1 DATA REDUCTION



99.9999% AVAILABILITY



BUILT FOR MIXED WORKLOADS



NDU-EVERYTHING



PURE SHARED ACCELERATED ALL FLASH STORAGE FOR ORACLE

POWER UP ORACLE DATA

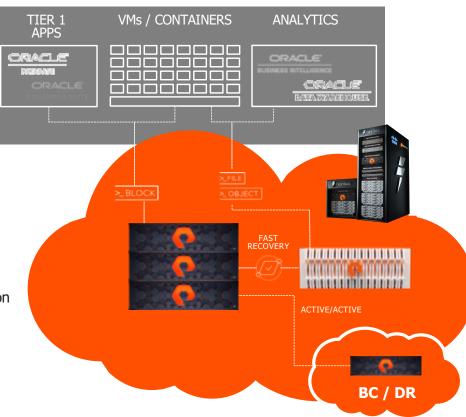
Extensive benefits across all data processing models: OLTP, Data Warehousing, and Analytics

CONTROL LICENSING

Consolidate Oracle on Pure and reduce licensing costs and maintenance fees

DEVELOP FASTER

Spend less time and operating expense on copy/clone activities with built-in automation for development



ENHANCE AVAILABILITY

Make Oracle Data 99.9999% available with predictable performance for end users

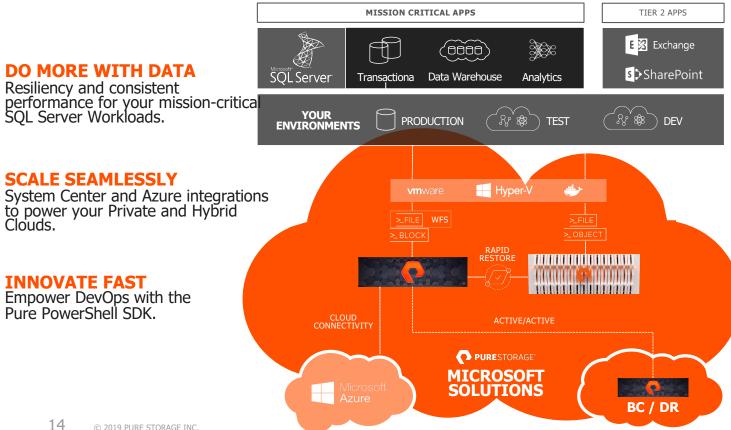
RUN SECURELY

Lock down data with always-on encryption and meet industry compliance regulations





SHARED ACCELERATED ALL FLASH STORAGE WITH PURE & MICROSOFT







TOYOTA FINANCIAL SERVICES

Toyota Financial Services is one of the largest motor vehicle finance companies in the world, offering a wide range of services, including vehicle financing and leasing, fleet management and insurance.



CHALLENGES.

- •Legacy storage was too complex to manage and difficult to expand.
- •Poor storage performance caused long delays in accessing key applications and files, impacting business productivity.



RFSUITS

- •The time spent replicating systems has shrunk from eight hours to less than one.
- •Spinning up services now takes seconds instead of minutes.
- •The team has more time to spend on key business intelligence initiatives.

USE CASE

- Virtualization VMware
- Database Microsoft SQL Server
- ¹•Asset management Alfa



eMONEY ADVISOR

eMoney Advisor is a cloud-based software-as-a-service (SaaS) platform that combines financial planning software, data aggregation, business analytics and other functions to help financial professionals build stronger client relationships, streamline business operations and drive revenue growth.





CHALLENGES

- Growing volumes of data led to slowdown in database backups.
- Speed of application development was limited by ability to spin up database copies.
- Legacy storage systems burdened IT staff with complex management demands.

RESULTS

- Faster access to data and applications improves the client experience.
- Snapshots mean application developers can test more ideas faster.
- Non-disruptive upgrades and capacity additions mean no downtime.
- Simplified management frees IT staff to work on higher-value projects.

USE CASESTORAGE INC.

Database – Microsoft® SQL Server®



