

All-Flash Arrays Are the New Standard for the Datacenter

Are you ready?

DID YOU KNOW...?

IN 2014

the market for all-flash systems reached

\$1.6B

which was

2 years

earlier than IDC predicted.¹

TODAY

IDC expects flash to outpace HDD growth

predicting a

75% increase

in SSD capacity shipped year-over-year.²

IN 2016

flash will become the lowest-cost media for almost all storage, considering TCO over a 4 year period.³

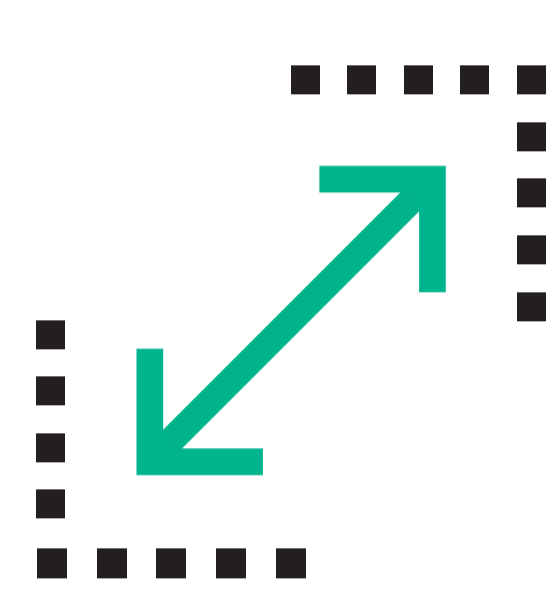
IN 2020

TCO will continue to decline, providing a return on investment that HDD-only solutions will not be able to meet.⁴



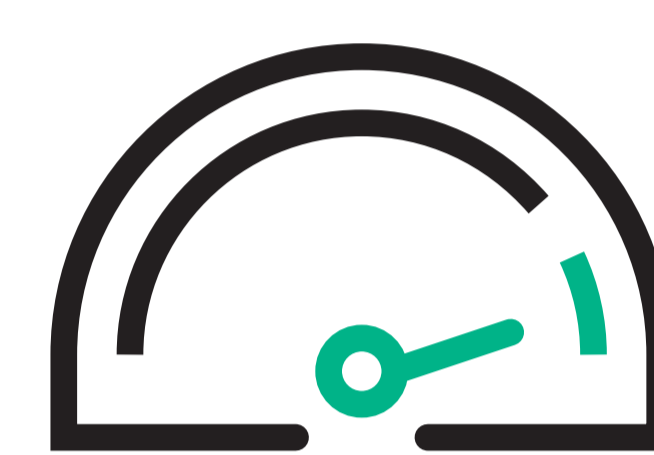
High-Density

Minimize space and power requirements with a smaller footprint in the datacenter⁸



Scalable

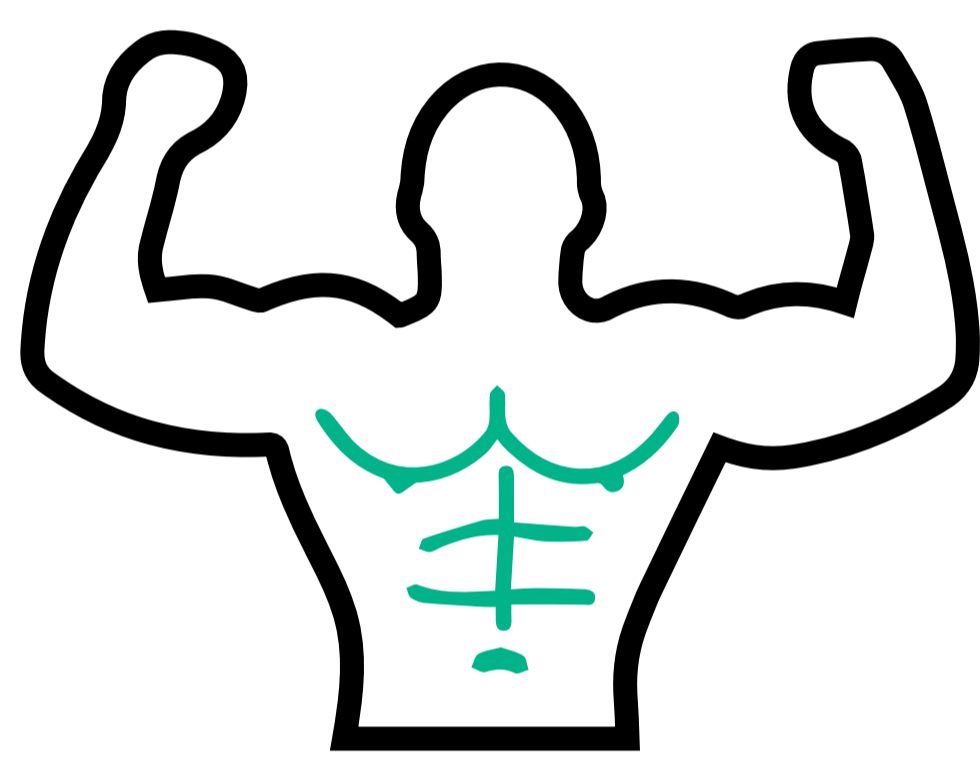
Consolidate multiple workloads without impacting performance



Performance

Achieve predictable performance with IOPS in the millions and sub-millisecond latencies⁵

The Benefits of All-Flash Arrays



Resiliency

Increase endurance and reliability



Easy to Use

Reduce the need for storage tuning on the most demanding applications⁶



Affordable

Reduce power and cooling costs, and achieve a lower TCO over 4 years (vs conventional systems)⁷

FLASH IS:

Fast

Affordable

Scalable

Flash delivers real results



Indiana's state government deployed flash storage



Now

Cut energy costs & physical floor space by

75%

Takes only **15 seconds** to set up a virtual machine as opposed to **5 minutes.**⁹

“Most IT shops should be moving faster now to deploy all-flash storage arrays. There are just too many benefits to stay stuck on the sidelines or only drop small amounts of flash in hot problem spots.”¹¹

– Taneja Group Analysts

Learn more by downloading the complimentary eBook:
Supercharge Your Apps with Flash
and get strategies for migrating from spinning disk

Learn more at hpe.com/storage/flash

Sources:

1. "Flash Based Data Storage is Growing Faster Than Anticipated," Bloomberg, August 12, 2015.
2. "Hewlett Packard Enterprise accelerates all-flash data center adoption," Digitalization World, March 11, 2016.
- 3-4. "Evolution of All-Flash Array Architectures," Wikibon, July 16, 2015.
5. "Everything you need to know about flash storage performance," InfoWorld, April 28, 2015.
6. "Why is All-Flash Adoption Growing So Fast?," TechTarget.
7. "SSD Prices In A Free Fall", Network Computing, June 19, 2015.
- 8-9. "Evolution of All-Flash Array Architectures," Wikibon, July 16, 2015.
10. "Flash Based Data Storage is Growing Faster Than Anticipated," Bloomberg, August 12, 2015.
11. "The Mainstream Adoption of All-Flash Storage," Taneja Group, February 2016

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