

# HPE Memory-Driven Flash

New class of enterprise storage empowering data at the speed of memory



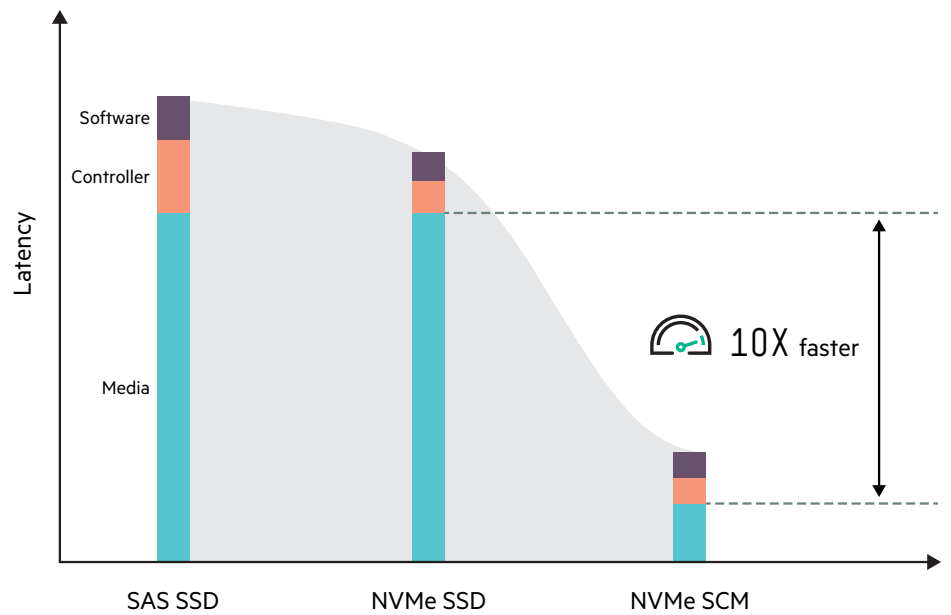
“The single **biggest concern** enterprises identify is **performance predictability**. Not only do enterprises require **predictably low latencies**, but they need to ensure that they can continue to meet defined service-level agreements (SLAs) **as their environments scale.**”

– IDC<sup>1</sup>

## Go further, go faster, and go beyond all-flash to break through the status quo



- Lower and more consistent latency
- Higher endurance
- More efficient



## Four requirements to break through the performance barrier

- 1 Intelligent software-based acceleration**
- 2 Memory driven**  
SCM closes the gap between DRAM and NAND Flash
- 3 Parallel processed**  
NVMe gets the full benefit of SCM
- 4 Flash storage**  
SSDs as a capacity tier

## Introducing HPE Memory-Driven Flash

New class of enterprise storage empowering

**Start fast**

Up to 50% Lower latency

**Stay fast**

Average 200  $\mu$ s Latency or below

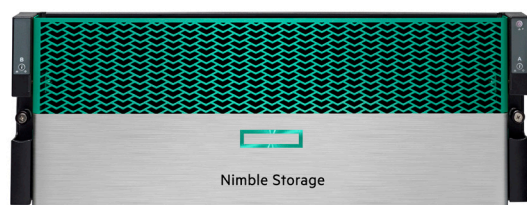
**Always fast**

Near 100% I/O within 300  $\mu$ s latency

## Making speed of memory practical and easy for everyone



**Non-disruptive**  
No forklifts required



**HPE Nimble Storage**

Most efficient all-SCM-like performance with data reduction always on



**HPE 3PAR Storage**

Lowest predictable latency at scale for mission-critical workloads

Learn more at [hpe.com/storage/memorydrivenflash](http://hpe.com/storage/memorydrivenflash)



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<sup>1</sup> IDC White Paper, sponsored by HPE, Enterprise Storage Evolves Beyond All Flash with Storage-Class Memory, Unleashing a New Generation of Innovation, Nov 26, 2018.