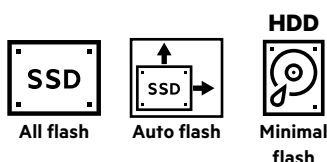


# HPE Nimble Storage Adaptive Flash service levels

## HPE Nimble Storage Adaptive Flash service levels

Software selectable for the workload.



### All flash

For latency-sensitive applications

- Flash pinning per application (per volume)
- Guaranteed sub-millisecond latency for select volumes

### Auto flash

To balance high performance and capacity

- Up to 100% flash-to-disk ratio
- Sub-millisecond latency per array

### Minimal flash

To optimize cost of capacity

- Low performance requirements



## Meet your SLAs and eliminate storage sprawl

**Flash storage** fundamentally shifts how IT organizations address the escalating demands of critical applications.

It offers the high performance needed to meet stringent service level agreements (SLAs), but it also comes at a high price, especially for aligning adequate capacity. Enterprise IT organizations typically face a trade-off between performance and cost.

**HPE Nimble Storage** Adaptive Flash hybrid storage arrays allow enterprises to dynamically assign and use multiple flash service levels within the same platform—ideal for mixed, mainstream workloads that have varying requirements.

### The most efficient use of flash resources

Take advantage of the innovative **HPE Nimble Storage Adaptive Flash** hybrid arrays to dynamically deliver the most

appropriate flash service level for a broad range of enterprise applications, without excessive flash provisioning.

HPE Nimble Storage Adaptive Flash Arrays can operate at an all-flash service level that takes on the personality of an all-flash storage system, but uses flash resources much more efficiently. It can also simultaneously operate at an auto flash service level to balance high performance and capacity, and in a minimal flash, disk-only service level to optimize capacity.

### All-flash service level: Predictable responsiveness

Provide an all-flash service level to the volumes you select. HPE Nimble Storage Adaptive Flash Arrays support hundreds of TBs of flash and up to 500K IOPS; and its greater than 99.9999% uptime further ensures responsive service.<sup>1</sup> The all-flash service level meets the most stringent latency demands. Its responsiveness can be ideal for transaction processing, data warehouse/business intelligence, and VM and VDI environments.

<sup>1</sup> Based on actual customer data collected by the HPE Nimble Storage support organization as of March 2017. Refer to the white paper [Redefining the Standard for System Availability](#) for additional details (registration required).



“We run many of our critical workloads on Nimble, and we’ve been thrilled with the results so far. Now, the ability to assign an all-flash experience to certain key applications ensures the level of responsiveness that our clients require.”

– Advanced Discovery

The all-flash service level can also satisfy workloads that have periodic low latency demands, such as database queries, batch processing, and monthly or quarterly reporting/business intelligence workloads. It can also address storage consolidation environments that have one application with a large working set of hot data or a high data change rate.

**Maximum service-level flexibility, without silos**

HPE Nimble Storage Adaptive Flash Arrays optimize your applications across the enterprise—whether they require all flash, auto flash, or minimal flash service levels. Unlike flash-only or hybrid arrays, it allows workloads to be changed dynamically from operation in one service level to a different service level—on the fly in alignment with changing requirements—and without creating a patchwork of storage architectures.

HPE Nimble Storage Adaptive Flash Arrays are the only storage systems that bring enterprise IT organizations the benefits of storage consolidation—lower costs, reduced risk, higher IT productivity, and seamless growth. You can deliver your critical applications the specific levels of service they require for performance, data protection, and capacity—all without adding silos or increasing IT complexity.

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

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