Hewlett Packard Enterprise

Solution brief

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INTELLIGENT, SELF-MANAGING FLASH STORAGE

HPE Nimble Storage

99.9999%

guaranteed availability[1]

86%

of issues predicted and resolved automatically[2]

79%

reduction in operating costs[3]

HPE Nimble Storage is a modern enterprise storage platform that reimagines the storage experience. It combines the power of artificial intelligence (AI) with a flash-optimized storage portfolio to deliver fast and reliable access to data and radically simplifies operations. Its multicloud flash fabric intelligently extends data services across on-premises primary and secondary storage and the public cloud, defying data gravity and simplifying hybrid cloud complexity.

WHAT MAKES HPE NIMBLE STORAGE DIFFERENT?

HPE Nimble Storage was founded on two core principles:

To make storage effortless through a unique solution that reduces complexity, helps eliminate trade-offs, and improves enterprise agility from install to upgrade.

To transform operations with AI that predicts and prevents disruptions and self-optimizes application performance and resource management.

- **Intelligent, self-managing storage:** The HPE Nimble Storage approach to predictive analytics has completely reimagined how infrastructure is supported. Through HPE InfoSight advanced machine learning, 86% of problems are predicted and prevented before customers even realize they have an issue, and not just for the array but across the entire infrastructure stack.

- **Transform your support experience:** Predictive support automation has enabled HPE Nimble Storage to help eliminate Level 1 and Level 2 support, providing direct access to Level 3 HPE Nimble Storage support engineers, and removing time-consuming and frustrating escalations. This means 73% fewer support tickets, 85% less time spent resolving storage-related trouble tickets, and 69% faster time to resolve events that necessitate Level 3 support.[4]

[1] HPE Get 6-Nines Guarantee, September 2017

[2] Redefining the standard for system availability, HPE Business White Paper, August 2017

[3], [4] Assessing the Financial Impact of HPE Nimble Storage Powered by HPE InfoSight, ESG, May 2019

- **Experience effortless simplicity:** HPE Nimble Storage makes it radically simple for any IT generalist to buy, install, provision, operate, and upgrade. You can self-install the system in minutes. There are no configuration requirements, with always-on data services and app-aware intelligence that help eliminate performance and efficiency trade-offs. This effortless user experience across all aspects of the storage lifecycle means that you spend substantially less time and allocate fewer resources to managing HPE Nimble Storage, resulting in 79% lower IT operational expenses. If you want to spend less time managing storage and firefighting, look to HPE Nimble Storage.

- **Customers trust the HPE Nimble Storage user experience:** IT admins and customers have been vocal[5] about how their business demands are simplified and their user experience elevated by HPE Nimble Storage capabilities. HPE Nimble Storage's radical simplicity and transformed support experience have resulted in an overall rating of 4.8 out of 5,[6] with customers getting maximum value out of their data in a broad range of use cases supporting business-critical applications.

- **Spend less on all-flash storage:** HPE Nimble Storage guarantees industry-leading data efficiency through the HPE Store More Guarantee. Every competitor's data reduction ratios are going to be different but with advanced data reduction technologies and an efficient operating system, Hewlett Packard Enterprise guarantees that HPE Nimble Storage All Flash Arrays will store more data per raw terabyte of all flash compared to the competition.

- **Timeless Storage for HPE Nimble Storage:** With Timeless Storage for HPE Nimble Storage, we are changing storage ownership by helping eliminate surprises and enhancing investment protection for the long term. Our Timeless Storage program includes a satisfaction guarantee, a six-nines availability guarantee, a data reduction guarantee, all-inclusive software, flat support pricing, and controller upgrades.

- **Absolute resiliency:** HPE Nimble Storage is designed for business-critical applications that demand fast, consistent performance, superior data integrity, and non-stop data availability. HPE Nimble Storage has delivered over six-nines of measured availability across its installed base since inception, high data integrity with Triple+ Parity RAID, and sub-ms latency with its all-flash array.

- **Reliably fast:** HPE Nimble Storage is a modern architecture built from the ground up to help optimize flash with high efficiency, delivering fast, consistent performance for business-critical applications. With HPE InfoSight, you can rest easy that your applications are always on and always fast.

- **Multicloud flash fabric:** Every enterprise is looking at hybrid cloud, but today siloed resources exist across on-premises primary and secondary storage, as well as the public cloud. With data gravity, data is locked away in silos inhibiting the potential to leverage the capabilities of a true hybrid cloud-operating model. HPE Nimble Storage overcomes hybrid cloud complexity with its multicloud flash fabric. This is an intelligent data experience designed to make it easy and cost-effective to consume all flash, hybrid flash, and cloud storage. The multicloud flash fabric automates storage management through a common, integrated OS and enables seamless data mobility between on-premises and the public cloud.

TYPICAL USE CASES

HPE Nimble Storage is ideal for business-critical workloads including medium-scale databases, mixed workloads, virtual farms, and container farms.

HPE Nimble Storage All Flash Arrays are targeted at performance or latency-sensitive workloads, where all-flash performance is critical.

HPE Nimble Storage Adaptive Flash Arrays are ideal for two use cases:

- Mainstream and mixed primary workloads (and where cost and price performance balance is a concern)

- Secondary storage is enhanced for high-performance backup and disaster recovery, with the performance to run other applications such as development/ testing and analytics

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