Hewlett Packard Enterprise

Solution brief

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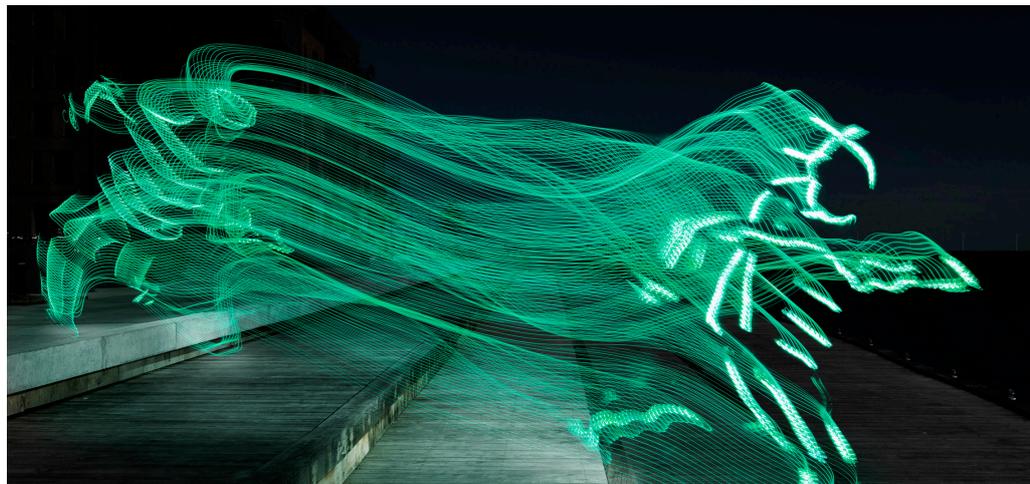
POWER YOUR BUSINESS-CRITICAL APPS WITH THE CLOUD EXPERIENCE

HPE Alletra 6000

99.9999%

guaranteed availability[1]

86%

of issues predicted and resolved automatically[2]

99%

operational time savings[3]

HPE Alletra is a portfolio of cloud-native data infrastructure designed to power your data from edge-to-cloud with the cloud experience. HPE Alletra 6000 elevates your storage experience with a platform that helps ensure business-critical apps are always on and always fast, simplifies and automates everything, and delivers cloud operations everywhere.

Cloud operations for instant access to data: HPE Alletra delivers a cloud operational experience for data infrastructure across its lifecycle where IT resources are designed to be a few clicks away. Deploy, provision, manage, and scale your storage in 99% less time[4] with a platform that sets up in minutes, automates provisioning, and upgrades transparently without any hassle.

By abstracting the data infrastructure control plane from the data plane and moving it to the cloud, you get a single, consistent operational experience across HPE Alletra cloud-native data infrastructure. Under a cloud-managed single pane of glass, you can operate at cloud speed and scale from any location and from any device, so managing hundreds of systems is as simple as managing one.

Deploy data infrastructure in minutes, with no IT specialist required. Provisioning applications now becomes effortless at scale. Intent-based provisioning ensures applications are deployed on the right resources across a global fleet. Finally, make use of new features and enhancements instantly through cloud-delivered invisible upgrades.[5]

Additionally, HPE Alletra with HPE GreenLake grows with your business needs. Respond to any demand with pay-per-use, scale-up-and-down freedom.

Intelligent, self-managing storage: The HPE Alletra 6000 approach to predictive completely reimagines infrastructure. Through HPE InfoSight advanced machine learning, 86% of problems are predicted and prevented before customers even realize they have an issue—not just for the array but across the infrastructure stack. HPE InfoSight takes the guesswork out of managing storage. It tells you how you can improve performance, help optimize your resources, and plan for the future. And with its cloud-based portal, it's easy for you to leverage its intelligence.

[1] Uptime guarantees that deliver, May 2021

[2] HPE Storage Substantiation

[3, 4] Comparison of infrastructure lifecycle management of HPE Alletra versus ESG Market Research, April 2021

[5] Invisible upgrades is planned for a future release

Transform your support experience:
Predictive support automation has enabled HPE Alletra 6000 to eliminate level 1 and level 2 support, providing direct access to experts, 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.[6]

Always-on data services: HPE Alletra 6000 makes it radically simple for any IT generalist to operate. There are no knobs or configurations to adjust, and always-on data services and app-aware intelligence helps eliminate performance and efficiency trade-offs.

Best-in-class data efficiency—guaranteed:
With HPE Alletra 6000, you spend less on all-flash storage. HPE Alletra 6000 advanced data reduction technologies provide an efficient operating system and with the HPE Store More Guarantee, you're guaranteed to store more application data in the same or less capacity than any competitive offering.

Future-proof investment that does not get old: With Timeless Storage for HPE Alletra 6000, you can enjoy a unique ownership experience by helping eliminate surprises and enhancing investment protection for the long term. The Timeless Storage program includes a satisfaction guarantee, a 6-nines availability guarantee, a data reduction guarantee, flat support pricing, and controller upgrades.

6-nines availability—guaranteed:
HPE Alletra 6000 guarantees 99.9999% availability for every customer and every array. HPE Alletra 6000 is driven by a resilient architecture, which gets even better with HPE InfoSight predicting and preventing problems before your business is impacted.

Reliably fast: HPE Alletra 6000 is a modern architecture built from the ground up to help optimize flash with high efficiency, delivering fast, consistent all-NVMe performance for business-critical applications. With HPE InfoSight, you can rest easy that your applications are always on and always fast.

Extreme data integrity and durability without compromise: HPE Alletra 6000 offers Triple+ Parity RAID as standard with zero performance impact. Triple+ Parity RAID can handle three simultaneous drive failures and provides additional protection through intradrive parity. The ultra-efficient architecture from HPE Alletra 6000 means that customers don't need to make trade-off choices between data resilience and performance.

Easily scale without disruption: With HPE Alletra 6000 scale to fit, you can grow the capacity and performance of a running system independently and nondisruptively. You can also scale out to four arrays with transparent volume mobility between arrays, achieving linear performance and capacity scaling.

LEARN MORE AT
hpe.com/storage/alletra

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[6] HPE Storage Substantiation

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