**Hewlett Packard
Enterprise**

Solution brief

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POWER YOUR MISSION-CRITICAL APPS WITH THE CLOUD EXPERIENCE

HPE Alletra 9000

Get the cloud experience for your traditional and next-generation mission-critical applications with predictable performance and ultra-low latency, backed by a 100% Availability Guarantee

FREE YOURSELF FROM THE COMPLEXITY OF CONVENTIONAL HYBRID CLOUD

We know every organization, regardless of industry, size, or age, has workloads essential to their business. These mission-critical workloads represent the keys for you to unlock innovation, get ahead, and ultimately disrupt the status quo.

But it's near impossible for IT to keep up with the demands of both new and existing mission-critical applications because they're consumed with provisioning, troubleshooting, and supporting infrastructure.

As an alternative, the cloud has become a popular destination because it sets the standard for agility. Unfortunately, the public cloud is not a one size fits all and complexity swells in hybrid environments.

Now is the time for a cloud operational and consumption experience for every mission-critical app of today and tomorrow.

RUN ANY MISSION-CRITICAL APPLICATION

HPE Alletra is a portfolio of cloud-native data infrastructure designed to power your data from edge to cloud with the cloud experience. For mission-critical workloads, HPE Alletra 9000 meets and exceeds extreme latency sensitivity and availability requirements. Built upon proven resiliency and powered by Data Services Cloud Console, HPE Alletra delivers cloud operations with deployment in minutes, artificial intelligence (AI)-driven intent-based provisioning, and invisible upgrades. Help ensure always-fast and always-on storage for all mission-critical apps, backed by a 100% Availability Guarantee.[1]

[1] "Uptime guarantees that deliver," May 2021

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[2] 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.[3]

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

APP-AWARE RESILIENCY FOR 100% AVAILABILITY GUARANTEED

HPE Alletra 9000 delivers app-aware resiliency that sees ahead to prevent disruptions to help ensure zero downtime of mission-critical applications.

The first layer of protection starts with an all-active resilient design center developed to maintain availability while delivering predictable performance constantly. In addition, the intelligent and advanced software protects against silent data corruption providing end-to-end data integrity. HPE Alletra 9000 facilitates business continuity with automatic site failover, as well as modernizes and extends data protection to the cloud.

Unlike traditional storage that stops here, HPE Alletra also uses AI and machine learning (ML), powered by HPE InfoSight, to predict and prevent disruptions across storage, servers, and virtual machines. Over the past decade, HPE InfoSight has analyzed application patterns across 1,250 trillion data points,[4] transforming how storage is managed and supported. Thousands of disruptions have been prevented saving our customers over 1.5 million workhours.[5]

This end-to-end app-aware approach for resiliency is why every HPE Alletra is backed by a 100% Availability Guarantee.[6]

ACCELERATE APPLICATIONS WITH ALL-NVME

HPE Alletra features a unique, massively parallel, multinode, and all-active platform with all volumes active on all media, controllers, and host ports at all times. You achieve unconstrained scalability for consolidating traditional and next-generation mission-critical applications. With All-NVMe, HPE Alletra 9000 delivers best-in-class performance density with over 2 million IOPS[7] and proven support for up to 96 SAP HANA® nodes in just 4U.

HPE Alletra also offers an embedded AI engine to self-optimize storage operations in real time. With real-time context into the resources available to support application workloads and storage system operations, HPE Alletra intelligently and dynamically helps optimize resource utilization to help ensure predictable performance and ultra-low latency.

With intelligence and an architectural advantage, HPE Alletra helps ensure your traditional and modern applications are fast, even at scale.

TIMELESS INVESTMENT THAT GETS BETTER OVER TIME

Timeless Storage for HPE Alletra transforms the storage ownership experience by delivering storage you can depend upon, today and into the future. Say goodbye to the typical complexity or surprises tied to traditional storage such as forklift upgrades and hidden costs.

HPE Alletra offers seamless upgrade options, flat support pricing with direct access to experts, and guarantees data reduction and availability.

LEARN MORE AT
hpe.com/storage/alletra

[2] "Comparison of infrastructure lifecycle management of HPE Alletra vs. ESG Market Research," April 2021

[3] Invisible upgrades is planned for a future release

[4], [5] HPE Storage Substantiation

[6] "Uptime guarantees that deliver," May 2021

[7] Based on HPE internal testing

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