HPE GreenLake

HPE Alletra 5000

Power your general-purpose workloads with the cloud experience

HPE Alletra 5000 is everything you love about your HPE Nimble Storage experience and a whole lot more. And transitioning to HPE Alletra 5000 is easy and affordable. If you want to accelerate your data-driven modernization without worrying about your storage, make the move to HPE Alletra 5000.

Built from the DNA of HPE Nimble Storage Adaptive Flash Array, HPE Alletra 5000 delivers simple, reliable, and cost-efficient hybrid storage—adaptively designed for both general purpose and secondary workloads.

HPE Alletra 5000 brings the cloud experience to your on-prem storage while simplifying operations across the lifecycle.

Eliminate app disruptions with HPE InfoSight, the industry's most advanced AI Ops for infrastructure, along with high resiliency and guaranteed 6x9s data availability[1] and simple hybrid cloud data protection.

You can harness the flash performance and disk economics that HPE Alletra 5000 enables through its ultra-efficient architecture while delivering fast, consistent performance, and industry-leading data efficiency.

And with the HPE GreenLake edge-to-cloud platform, you can consume everything as a service enabling you to shift from owning and maintaining data infrastructure to simply accessing and utilizing it.

Go faster with the cloud experience

HPE Alletra 5000 is cloud-native data infrastructure powered by the Data Services Cloud Console on the HPE GreenLake platform. Together, they simplify on-premises storage with the speed and agility of a cloud operational experience. This makes underlying infrastructure invisible while shifting operations to be app, not infrastructure, centric.

Get started in minutes with streamlined device deployment. Simply rack the infrastructure, plug in the power cords, and connect the network cables. In a few clicks, the new system is configured and available in your fleet, ready to serve data for application workloads.

You can automate and optimize app deployment with intent-based provisioning as well. Select the storage tier and workload type, specify the capacity and protection policy, and let AI-driven intelligence automatically optimize your service-level agreements (SLAs) by recommending the best-suited system across your fleet for your new workload.

Fully cloud-managed infrastructure means you can globally monitor and manage your entire fleet of block storage from a single SaaS-based cloud console that's accessible from any location, on any device. So, managing hundreds of systems across geographies is as simple as managing one.

And thanks to SaaS-based delivery, new data services instantly become available to you. Data plane software upgrades are non-disruptive and intelligently matched to a given system.

Put your storage on autopilot with an AI-managed service

Say goodbye to endless firefighting thanks to HPE InfoSight, industry-leading AI Ops for infrastructure that drives autonomous operations and helps ensure your apps are always-on and always fast.

Predict and prevent disruptions before they occur across the stack, and pinpoint issues between storage, VMs, and under-utilized virtual resources.

Let AI-driven recommendations take the guesswork out of managing data infrastructure and leverage predictive support automation and direct access to experts to help eliminate time-consuming escalations.

[1] hpe.com/psnow/doc/A00058506ENW?from=app&section=search&isFutureVersion=true

Accelerate business outcomes[5]

Boost time to value:

99%

operational time savings using intent based provisioning. Line of business/ database admins can self-provision storage for faster app deployments

Reduce business risk:

99.9999%

availability guaranteed for general-purpose apps

Transform support experience:

86%

of problems are automatically predicted and resolved with HPE InfoSight

[2] 25% higher performance from HPE Nimble Storage HF40 to HPE Alletra 5030 and from HPE Nimble Storage HF60 to HPE Alletra 5050; based on random mixed 50/50 R/W on 4 KB blocks, 2022

[3, 5] HPE Storage Substantiation

[4] Customers can purchase HPE Alletra 5000 hardware upfront with CAPEX and subscribe over a set term to cloud data services

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Chat now (sales)

Call now

Get updates

Get optimum price performance for your general-purpose workloads

Harness the flash performance and disk economics of ultra-efficient architecture that HPE Alletra 5000 delivers, which is designed from the ground up to deliver fast, consistent performance, and industry-leading data efficiency for your workloads.

Accelerate your apps with sub-millisecond latency and an up to 25% speed boost over previous HPE Nimble Storage Hybrid Flash Arrays[2] and write to cost-optimized disk at flash speeds through write serialization. Also, dynamic flash caching accelerates your reads even as workloads change in real-time.

All this helps you increase storage efficiency and reduce costs and footprint with always-on data reduction that delivers up to 5x space savings without performance penalty.

With HPE Alletra 5000, you can easily scale without disruption by growing the capacity and performance of a running system independently and non-disruptively. Scale out to four arrays with transparent volume mobility between arrays, achieving linear performance and capacity scaling.

Depend on a resilient, proven platform

It's time to forget the anxiety and disruption of unexpected downtime. HPE Alletra 5000 is built on a proven AI-driven platform to guarantee resilient 6x9s data availability for every customer and every array.[3] It's a cost-nothing, do-nothing guarantee—and with HPE InfoSight predicting and preventing problems, your arrays get smarter, better, and more reliable every day.

Don't accept trade-offs between data resilience and performance. HPE Alletra 5000 delivers Triple+ Parity RAID as standard—with zero performance impact. Triple+ Parity RAID can handle three simultaneous drive failures without data loss and provides additional protection through intra-drive parity.

Deliver your recovery SLAs with fast, simple, and integrated app-aware backup and recovery—on-premises and in the cloud.

Natively replicate from HPE Alletra 6000 All Flash Arrays to HPE Alletra 5000 Hybrid Arrays. You can now leverage SaaS-based HPE Backup and Recovery Service to simplify hybrid cloud data protection with instant restores, rapid recovery on-prem, and cost-effective long-term retention in the cloud.

Consume as a service, on-demand

You choose how to consume HPE Alletra 5000 with a choice of CAPEX/subscription[4] or pay-per-use models. A flexible as-a-service consumption model with HPE GreenLake enables you to avoid over- and under-provisioning concerns, CAPEX budget constraints, and complex procurement cycles.

Easily get the storage resources you need faster with workload-optimized storage tiers delivered in days. You can scale on-demand as you need, with buffer capacity for unexpected workloads or usage demands.

What's more, shift from heavy up-front costs to a transparent, monthly subscription. This cloud consumption experience shortens project deployment times, frees up capital and IT resources, aligns spending with business needs, and boosts your financial flexibility and operational speed.

Experience a simple, affordable, risk-free transition

Moving to HPE Alletra 5000 is easy and hassle-free. HPE Nimble Storage Hybrid Flash Array customers can take the risk and complexity out of switching to HPE Alletra 5000 with quick, non-disruptive data in-place upgrades. In-field controller upgrades enable you to continue to use and drive ROI from your existing HPE Nimble Storage chassis, media, and networking.

And HPE Nimble Storage customers can transition to HPE Alletra 5010 on a budget, getting 2x capacity at a similar price point to a comparable HPE Nimble Storage Hybrid Array.

Learn more at

hpe.com/storage/alletra

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