Top 12 reasons to choose HPE GreenLake for Block Storage powered by HPE Alletra Storage MP

HPE GreenLake for Block Storage, built on HPE Alletra Storage MP, provides mission-critical storage at midrange economics with the industry's first disaggregated, scale-out block storage with a 100% data availability guarantee.[1]

[1] HPE Storage Substantiation

HPE
GreenLake

There are many reasons to choose HPE GreenLake for Block Storage built on HPE Alletra Storage MP. Here are our top 12:

1 **Go faster with self-service agility:** HPE GreenLake for Block Storage simplifies on-premises storage with the speed and agility of a cloud operational experience, which makes underlying infrastructure invisible while shifting operations to be app, not infrastructure, centric. Unlike the traditional storage management common to legacy solutions, with HPE GreenLake for Block Storage, line of business (LOB) and database admins can effortlessly procure and provision storage to accelerate app deployment while freeing up IT resources to work on strategic, higher-value initiatives.

2 **Simplify and accelerate provisioning:** Transform from LUN-centric storage provisioning to an AI-driven, app-centric approach. Simply select the desired storage tier and workload type, specify the capacity and protection policy, and let AI-driven intelligence automatically analyze your fleet and provide a recommendation that optimizes your service-level agreements (SLAs). No storage expertise required, and no more guesswork. Slash your storage provisioning time from days or weeks to minutes and empower LOB and app owners with self-service and on-demand provisioning.

3 **Manage from anywhere:** Unified management enables you to manage, monitor, and protect your global storage environment from a single cloud console, which makes managing hundreds of systems as simple as managing one. An intuitive software-as-a-service (SaaS)-based user experience means everything you need to manage your fleet of data infrastructure is at your fingertips — accessible from anywhere, on any device.

4 **Put your storage on autopilot with an AI-managed service:** Say goodbye to endless firefighting with industry-leading AIOps for infrastructure that drives autonomous operations and helps ensure your apps are always-on and always-fast. You can 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 help eliminate time-consuming and frustrating escalations through predictive support automation and direct access to experts.

5 **Experience better performance and better economics with disaggregated, scale-out storage:** Scale performance and capacity independently with HPE Alletra Storage MP disaggregated hardware, enabling more flexibility, efficiency, and lower costs for evolving workloads. Start small, scale big, and boost ROI with non-disruptive, data-in-place upgrades —without repurchasing existing storage.

6 **Rely on 100% data availability — guaranteed:** Forget the disruption of unexpected downtime. HPE GreenLake for Block Storage — powered by HPE Alletra Storage MP — leverages an AI-driven, disaggregated, no-single-point-of-failure platform to guarantee resilient 100% data availability for every customer and every array.[2] It's a cost nothing, do-nothing guarantee — and with our industry-leading AIOps for infrastructure predicting and preventing problems, your arrays get smarter, better, and more reliable every day.

[2] HPE Storage Substantiation

7 **Accelerate your demanding workloads:** Boost time to insight for your latency-sensitive modern, traditional, and consolidated mixed workloads. An all-active, all-NVMe optimized architecture and massively parallel design mean data can access all controllers and ports simultaneously. All physical components are active, and nothing is in standby mode, helping ensure consistent, predictable performance and ultra-low latency at scale.

8 **Simplify and lower the cost of data protection:** Meet any recovery-point objective (RPO) and recovery-time objective (RTO) with transparent business continuity and automatic failover across multiple sites while getting simple and efficient hybrid cloud data protection for on-prem and cloud-native workloads.

9 **Leverage mission-critical storage at midrange economics:** Reduce the trade-offs that require you to sacrifice mission-critical performance, availability, and scalability for price. For example, as an HPE 3PAR or HPE Primera customer, by moving to HPE GreenLake for Block Storage built on HPE Alletra Storage MP, you get the mission-critical, "active-active" resilience and performance you value in your HPE 3PAR and HPE Primera Storage — with better price performance and a simple cloud management experience.

10 **Secure a simple, affordable, risk-free transition:** Take the risk and complexity out of switching to a new storage platform via quick, non-disruptive data migration. With HPE Peer Motion, you can move data from HPE 3PAR, HPE Primera, and HPE Alletra 9000 Storage arrays to HPE GreenLake for Block Storage built on HPE Alletra Storage MP — online, non-disruptively, and without complex planning or dependency on extra tools.

11 **Harness one platform and one experience for every workload:** HPE Alletra Storage MP is a multi-protocol hardware architecture[3] that provides flexibility and high performance for block and file storage needs. It enables you to deploy HPE GreenLake for Block Storage or HPE GreenLake for File Storage on common hardware. Manage everything with a unified cloud experience through the HPE GreenLake edge-to-cloud platform as you reduce silos and complexity while improving TCO/ROI.

12 **Get everything as a service:** Modernize your data management with a comprehensive suite of hybrid cloud services on the HPE GreenLake platform. Get fast and easy access to a large array of storage services in a single platform — spanning block, file, private cloud, storage fabric management, backup and recovery, and disaster recovery — all delivered with an intuitive cloud experience everywhere.

[3] HPE Alletra Storage MP consists of standardized, composable building blocks — compute (node), capacity (JBOF), and switches — that can be configured for different software-defined storage personas and use cases.

Learn more at

HPE.com/storage/blockstorageservice

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