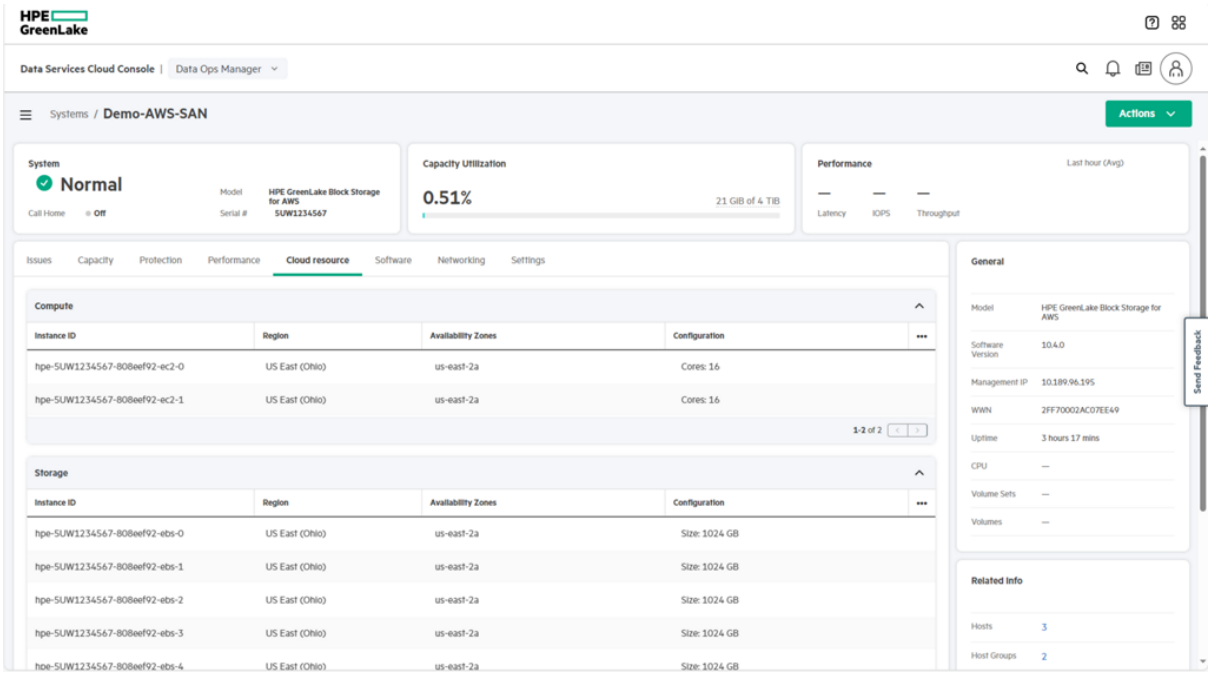
HPE Alletra Block Storage for AWS



What's new

- One experience – everywhere: A single, consistent AI-driven experience across hybrid cloud simplifies management, enhances productivity, and keeps you in control wherever your apps and data are.
- Seamless data mobility: Easily move data and migrate apps across your hybrid cloud as your business requirements evolve. Maximize agility, enhance data protection, and boost innovation.
- Enterprise-class storage services wherever your apps are: Optimize cloud storage costs and increase application performance while enhancing resilience, scalability, and security.

Overview

HPE Alletra Block Storage for AWS is a software-defined storage solution that extends the enterprise-class capabilities of HPE Alletra Storage MP B10000 to AWS. Managed via GreenLake, it lets you simplify operations and innovate faster with unified management, consistent data services and seamless data mobility across hybrid cloud.

Features

Simplify management with an intuitive cloud experience for hybrid cloud

Unified storage management: Manage, monitor, and protect global storage environments across your hybrid cloud data estate consistently and securely at scale, all from a single cloud console on GreenLake.

Simplified Deployment: Deploy new HPE Alletra Block Storage instances in AWS in minutes—directly from GreenLake. With just a few clicks, your new storage system is configured, deployed, and available in AWS—ready to serve data for application workloads.

Deploy apps faster: Automate app deployment with intent-based provisioning. Select the storage tier, workload type, capacity and protection policy, and let AI-driven intelligence automatically optimize your SLAs by recommending the best-suited system across your fleet for your new workload.

A wealth of cloud services on one platform: Gain fast and easy access to a comprehensive 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.

Move data where it needs to be with seamless data mobility

Bridge the divide between on-premises and cloud: Easily move data across hybrid cloud as cost, performance, or regulatory needs change. Strategically utilize IT resources by easily migrating VM and container workloads to and from AWS without costly application refactoring and staff retraining.

Ensure simple, cost-effective disaster recovery (DR) and business continuity: Protect on-prem and cloud-native workloads with native replication to AWS — delivering near-zero RTOs and RPOs and mitigating the need for secondary DR sites. Replicate data between availability zones and regions in AWS.

Maximize developer agility and innovation: Develop software on-prem or in the cloud and deploy to either target quickly using an agile and efficient DevTest environment. Leverage snapshots and clones to spin up a DevTest sandbox on-prem or in AWS - without impacting the production environment.

Extend the enterprise class capabilities of on-prem block storage to public cloud

Reduce your cloud storage costs: Industry-leading data reduction technologies - including thin provisioning, deduplication and compression - help you reduce your cloud storage TCO, optimize your cloud spend and storage usage, as well as minimize any future ingress/egress charges.

Run business-critical apps in the cloud: Get proven enterprise-class performance, scalability, and resiliency for the most demanding database, virtualization, and container workloads — both on-prem and in the cloud. Now you can run any block-based workload in the cloud without limitations.

Maintain security and compliance across your hybrid cloud: Gain integrated, native security across your entire IT estate. Accelerate zero-trust adoption with role-based access control, single sign-on functionality, encryption, and federated identity control for all features and capabilities.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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PSN1014837181WWEN, November, 2026.

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