

HPE Alletra Block Storage for Azure QuickSpecs

HPE Alletra Block Storage for Azure is a software-defined storage solution that extends the enterprise-class capabilities of HPE Alletra MP B10000 to Azure.

Delivered and managed via the HPE GreenLake cloud, it lets you simplify operations and innovate faster with unified management, consistent data services and seamless data mobility across hybrid cloud.

Overview

The screenshot displays the HPE GreenLake Data Services Cloud Console interface. At the top, the HPE GreenLake logo is visible on the left, and navigation icons are on the right. Below the logo, the console title is "Data Services Cloud Console" with a dropdown menu for "Data Ops Manager". The main content area is titled "Systems / Demo-SDS-Azure" and includes an "Actions" button. The system status is "Normal" with a green checkmark. Key metrics include Capacity Utilization at 0.23% (35 GiB of 14.6 TiB) and Performance metrics (0ms Latency, 0 IOPS, 0 KiB/s Throughput). A "Cloud Resources" tab is active, showing a table with one resource:

Name	ID	Type	State	Availability Zone
hpe-4UW0973988-808eef93-node1	/subscriptions/1d29b916-a255-406f-acd9-e29e...	Standard_E16bs_v5	Running	zone 1

Additional panels on the right show "General" information (Model, CPU Usage, Software Version, Management IP, WWN, Uptime, Volume Sets, Volumes, Intelligent QoS, Common Provisioning Groups) and "Related Info" (Hosts).

HPE GreenLake Data services

What's New

- **One experience – everywhere:** HPE Alletra Block Storage for Azure delivers one consistent AI-driven experience across hybrid cloud. It simplifies management, enhances productivity, and keeps you in control wherever your apps and data are located.
- **Seamless data mobility:** HPE Alletra Block Storage for Azure gives you the freedom to move data and migrate apps everywhere—as business requirements evolve. This seamless data mobility across hybrid cloud enables you to maximize agility, enhance data protection, and boost innovation.
- **Enterprise-class storage services wherever your apps are:** HPE Alletra Block Storage for Azure helps you optimize cloud storage costs and increase application performance while enhancing resilience, scalability, and security.

Standard Features

Hardware

- HPE Alletra Block Storage for Azure is powered entirely by Microsoft Azure native services, including Compute (Azure Virtual Machines) and Storage (Azure Managed Disks).

Unify your on-premises and cloud environments with one cloud experience

- **Unified storage management:** Manage, monitor, and protect global storage environments across your hybrid cloud data estate—consistently and securely at scale—from a single cloud console on the HPE GreenLake cloud. An intuitive software-as-a-service (SaaS)-based user experience means everything you need to manage your fleet of data infrastructure on-prem and in the public cloud is at your fingertips — accessible from anywhere, on any device.
- **Simplified deployment:** Deploy new HPE Alletra Block Storage instances in Azure in minutes—directly from the HPE GreenLake cloud. Simply select the name of the storage array and the subscription, choose the target Azure region and availability zone, and click create—HPE Alletra Block Storage for Azure will do the rest. In a few clicks, your new storage system is configured, deployed, and available in Azure—ready to serve data for application workloads.
- **Self-service provisioning:** Empower your line-of-business owners and app admins to self-provision storage to accelerate app deployment—freeing up IT resources to work on strategic, higher-value initiatives. To provision a volume in Azure, simply select the desired storage tier and workload type, specify the capacity and protection policy. No storage expertise required, and no more guesswork.
- **A wealth of cloud services on one platform:** Get fast and easy access to the largest array of storage services in a single platform—spanning block, file, object and private cloud,—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. With HPE Alletra Block Storage for Azure you can effortlessly, seamlessly, and rapidly move data between HPE Storage on-prem and in Azure, as well as between different regions in Azure. Moreover, you can utilize IT resources strategically by easily migrating virtual machine (VM) and container workloads to and from the cloud without costly application refactoring or staff retraining.
- **Simple, cost-effective DR and business continuity:** Extend your multilayered on-prem data protection and business continuity capabilities to Azure with enterprise-grade snapshots, replication, and backups. Now, you can protect your on-prem and cloud-native workloads with native replication to Azure for disaster recovery (DR) - delivering near-zero RTOs and RPOs and mitigating the need for secondary DR sites.
- **Help maximize developer agility and innovation:** With HPE Alletra Block Storage for Azure, you can accelerate development cycles and expand your testing capabilities. It lets you develop software on-premises or in the cloud and deploy to either target faster using an agile and efficient DevTest environment. You can leverage space-efficient snapshots and clones to quickly spin up a DevTest sandbox on-prem or in Azure. This enables you to test new apps, patches, and updates instantly without impacting the production environment and without having to purchase and deploy new hardware on-prem.

Standard Features

Extend the proven capabilities of on-prem block storage to public cloud.

- **Reduce your cloud storage costs:** The industry-leading data reduction technologies of HPE Alletra Block Storage for Azure can help reduce your cloud storage costs on Azure. Storage is always thin-provisioned, deduped, and compressed—giving you superior efficiency for your workloads in Azure. This allows you to improve your cloud storage TCO, optimize your cloud spend and storage usage, as well as reduce any future ingress/egress charges.
- **Run business-critical apps in the cloud:** With HPE Alletra Block Storage for Azure, you get enterprise-class performance, scalability, and resiliency for the most demanding database, virtualization, and container workloads—both on prem and in the cloud. With all the proven capabilities of enterprise on-premises block storage now available in the public cloud, you can run any block-based workload in the cloud with confidence.
- **Maintain security and compliance across hybrid cloud:** Strengthen your defenses with integrated, native security across your entire IT estate. HPE Alletra Block Storage for Azure helps accelerate zero trust adoption with role-based access control, single sign-on, encryption, and federated identity control for its features and capabilities.

HPE Alletra Block Storage for Azure

Controller	2x Azure Virtual Machine instances
Storage	Azure managed disks
Max Raw Capacity per instance	15TB/13.64TiB

The performance levels of HPE Alletra Block Storage for Azure are dependent on the underlying Azure infrastructure components.

The offer is supported on regions where the required Azure services are available. For more information, please refer to Single Point of Connectivity Knowledge for HPE Storage Products (SPOCK): <http://www.hpe.com/storage/spock>

Host OS Support

Windows server 2022 | Red Hat® Enterprise Linux®

Host OS support varies by connectivity protocol to host. For the latest information on supported operating systems refer to Single Point of Connectivity Knowledge for HPE Storage Products (SPOCK):

<http://www.hpe.com/storage/spock>

Service and Support

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical, which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

Configuration Information

Step 1: Choose Software, Support and Subscription term

HPE Alletra Block Storage for Azure is available in 1-year and 3-year subscription terms.

Subscription

Description

SKU

HPE Alletra Block Storage for Azure per TB 1-year Software and Support SaaS

S6C34AAE

HPE Alletra Block Storage for Azure per TB 3-year Software and Support SaaS

S6C35AAE

Customers also have access to an Evaluation license for 30 days. Contact your HPE representative for more information.

HPE Alletra Block Storage for Azure Software

Hewlett Packard Enterprise provides an extensive selection of features in the HPE Alletra Block Storage for Azure OS software, including Remote replication between across hybrid cloud deployments, Snapshots with virtual lock, enhanced storage efficiencies with deduplication and compression, thin provisioning etc.

- HPE Alletra Block Storage for Azure includes a subscription to HPE Alletra for Block Storage Software and HPE Support SaaS, that contains all-inclusive software features for the specified raw capacity and term, and it enables cloud-based management of the array from the HPE Data Services Cloud Console and access to data services, and related supports.
- One (1) HPE Alletra Block Storage for Azure Software and Support SaaS SKU must be selected per TB of Storage solution.

Support

Choose HPE Services Tech Care to experience the new operational service for HPE products. For HPE Alletra Block Storage for Azure, HPE Services Tech Care is available and included in the above SKU in Essential response level. Essential provides Expert response within 30mins of a critical incident.

Customers also enjoy 7x24 access to experienced technical engineers upon calling HPE for support.

<https://www.hpe.com/psnow/doc/a50003571enw>

The availability of the solution is dependent on the underlying Azure infrastructure components. Please check the availability SLAs of the Azure services required for the solution.

Step 2: Choose the minimum capacity commit.

Next step is to select the minimum capacity commit required. Currently the offer is available at a minimum raw capacity commit of 15TB. Please reach out to your HPE representative for additional capacity offerings.

The SKUs available are per TB SKUs (Minimum commit of 1TB per SKU count). Add the number of SKUs which add up to the min. capacity commit value required.

Configuration Information

Customer responsibilities

- Responsible for the connectivity to the platform, the administration, and the management of the data/objects
 - Site readiness – Cloud service provider Infrastructure as a Service (IaaS)
 - Volume creation and administration.
 - Setting up data resilience and remote replication
 - Applying recommended software updates and security patches
 - Data monitoring
 - Initiate order of additional capacity beyond total capacity subscribed.
 - Initiate renewal of subscription at end of term.
 - Ensure the SAN composed on Azure is supported and compliant with HPE recommendations and best practices. Support Matrix are available on [SPOCK](#) (HPE Storage Single Point of Connectivity Knowledge).
-

Summary of Changes

Date	Version History	Action	Description of Change
06-Oct-2025	Version 3	Changed	HPE Rebranding FY25
28-Jul-2025	Version 2	Changed	Update survey link.
05-May-2025	Version 1	New	New QuickSpecs

[Shape the Future of QuickSpecs - Your Input Matters](#)

[Chat now](#)

© Copyright 2025 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

a50009230enw - 17262 - Worldwide - V3 - 06-October-2025
HEWLETT PACKARD ENTERPRISE
Hpe.com

