



# HPE Alletra Block Storage for Azure

Simplify operations and accelerate innovation with unified management, consistent data services, and seamless data mobility across hybrid cloud



#### HPE Alletra Block Storage for Azure: Use cases

- **Disaster recovery**—Replicate on-premises and cloud data for DR; recover from on-premises and multicloud environments
- **Business continuity**—Help ensure critical applications and data are available and automatically protected among cloud availability zones
- **Efficient dev test**—Empower your DevOps teams to develop software on-premises or in the cloud, with the ability to deploy to either target
- **Cloud migration**—Easily migrate virtual machine (VM) and container workload to and from cloud without costly redesign and rearchitecture
- **Business applications**—Optimize your Azure environment for critical business applications and databases

## Simplifying hybrid cloud storage

Hybrid cloud is the preferred operating environment for many enterprises today. The rationale is clear: most data is distributed across edge to cloud, and a mix that includes public cloud offers numerous benefits. However, the advantages of the hybrid approach can be undermined by the complexities of operating and managing diverse environments. This is particularly relevant when managing storage across hybrid cloud.

Common challenges associated with hybrid cloud storage include the use of inconsistent management tools and workflows between on-premises and public cloud environments. This creates operational silos, limits visibility, and results in cost inefficiencies at scale. Additionally, restricted data mobility across hybrid cloud hinders the ability to move data and workloads to where they need to be—adversely affecting business and IT agility. Furthermore, the absence of enterprise-grade data services and storage efficiencies in public cloud can restrict the deployment of mission-critical apps.

Introducing HPE Alletra Block Storage for Azure, a software-defined storage solution managed through the HPE GreenLake cloud. This innovative offering brings the advanced capabilities and simplified experience of HPE Alletra Storage MP B10000 to Azure. Now, you can experience the same enterprise-class storage data services between on-premises and public cloud while also benefiting from seamless data mobility and unified management across hybrid cloud.

## One experience—everywhere

HPE Alletra Block Storage for Azure provides a unified AI-driven experience across hybrid cloud environments. It streamlines management processes, boosts productivity, and keeps you in control wherever your apps and data are.

### Unified storage management

Unified management lets you manage, monitor, and protect storage across your hybrid cloud data estate consistently and securely at scale, all from a single console on HPE GreenLake. The intuitive software as a service (SaaS)-based user experience provides all the tools to manage your data infrastructure both on-premises and in the public cloud—accessible anywhere, on any device.

### Simplified deployment

Deploy new HPE Alletra Block Storage instances in Azure within minutes through HPE GreenLake. Simply select the storage array name, subscription, target Azure region, and availability zone and click create. Your new storage system can be configured, deployed, and ready to serve application data in Azure with just a few clicks.

### Self-service provisioning

Empower your line-of-business owners and app admins to self-provision storage to accelerate app deployment—freeing IT resources to work on more strategic tasks.

To provision a volume in Azure, select the desired storage tier and workload type, specify the capacity and protection policy, and let AI-driven intelligence analyze your HPE storage instances in Azure to provide a recommendation that optimizes your service-level agreements (SLAs). No storage expertise required, and no more guesswork.

### Put your storage on autopilot with an AI-managed service

Boost IT productivity and reduce costs with industry-leading AIOps for infrastructure that drives autonomous operations and helps ensure your apps are always-on and always-fast. Let AI-driven recommendations take the guesswork out of managing and optimizing data infrastructure and help eliminate time-consuming and frustrating escalations through predictive support automation and direct access to experts.

### A wealth of cloud services on one platform

The cloud data services on HPE GreenLake include more than just block storage. A comprehensive suite of cloud services enables you to modernize and simplify your hybrid cloud data management where and when you need it. Gain fast and easy access to the largest available array of storage services in a single platform—spanning block, file, object, and private cloud—all delivered with an intuitive cloud experience everywhere.



## Seamless data mobility

HPE Alletra Block Storage for Azure gives you the freedom to move data and migrate apps everywhere—as your business requirements evolve. This seamless data mobility across hybrid cloud helps you maximize agility, enhance data protection, and boost innovation.



### **Bridge the divide between on-premises and cloud**

You need the ability to 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-premises 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 cloud without costly application refactoring and staff retraining.



### **Help ensure simple, cost-effective DR, and business continuity**

HPE Alletra Block Storage for Azure extends your multilayered on-premises data protection and business continuity capabilities to Azure with enterprise-grade snapshots, replication, and backups. Now, you can protect both your on-premises and cloud-native workloads through native replication to Azure for disaster recovery (DR)—mitigating the need for secondary DR sites. For optimal data protection and business continuity, you can replicate data between availability zones and regions within Azure.



### **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 use space-efficient snapshots and clones to quickly spin up a DevTest sandbox on-premises 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-premises.





## 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.



### Reduce your cloud storage costs

The industry-leading data reduction technologies of HPE Alletra Block Storage for Azure can help lower your cloud storage costs on Azure. Storage is thin-provisioned, deduplicated, and compressed, providing superior efficiency for your workloads in Azure. This enables you to improve your cloud storage TCO, optimize your cloud expenditure and storage utilization, and reduce any future ingress/egress charges.



### Run business-critical apps in the cloud

HPE Alletra Block Storage for Azure offers enterprise-class performance, scalability, and resiliency for the most demanding database, virtualization, and container workloads—both on-premises and in the cloud. With all the proven capabilities of enterprise on-premises block storage now available in Azure, 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 throughout your entire IT estate. HPE Alletra Block Storage for Azure helps accelerate zero trust adoption with role-based access control, single sign-on functionality, encryption, and federated identity control for its features and capabilities.

# It's time for storage that is hybrid by design

Hybrid cloud storage offers flexibility, speed, agility, and cost savings, but these benefits can be compromised by complexity and inefficiencies. HPE Alletra Block Storage for Azure offers storage that is hybrid by design. It unifies your on-premises and cloud environments to deliver a single cloud experience, consistent data services, and seamless data mobility. This helps your organization improve efficiency, simplify operations, and innovate faster.

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