

# Why modernize your enterprise block storage?

## Do not be stymied by complexity

No one creates complexity by choice, but it is so often the outcome most enterprises must deal with when it comes to storage management.

The goal today is to modernize—and accelerate—data-driven, hybrid cloud environments. To accomplish this, you need to find ways to eliminate management complexity, storage silos, scale-out limitations, and app disruptions—spanning from edge to cloud and slowing you down all along the way.

To truly modernize, you need more than a faster, more powerful box. You need to break away from legacy infrastructure and elevate the storage experience. And you need a viable, ready-to-go way to break through the challenges that pile on the complexities.

## The path forward: Break free of three long-time challenges

Yes, modernizing can be tough but think of all the challenges you could leave behind when you modernize.

### 1. Move beyond complex management

Legacy on-prem storage offerings are difficult to manage and require specialized domain expertise. This impacts agility when IT is tied up in routine tasks as opposed to higher-value strategic initiatives. And it impedes the pace of innovation, with complex provisioning slowing the time to value for new apps and services.

Then there is the complexity often inherent in hybrid cloud storage. Inconsistent management tools and workflows between on-prem and public cloud storage can create operational silos, low visibility, and cost inefficiencies at scale. Meanwhile, limited data mobility across hybrid cloud makes it difficult to move data and workloads to where they need to be. What is more, the lack of enterprise-grade data services and storage efficiencies that come with public cloud can restrict the deployment of mission-critical apps.

### 2. Say goodbye to legacy and inefficient infrastructure

Start with existing infrastructure silos. The typical enterprise has multiple storage platforms and appliances with unique hardware designs and diverse management experiences to support a specific data type, workload, or service-level agreement (SLA). This results in significant operational challenges and cost inefficiencies at scale.

Legacy storage architectures or purpose-built appliances are unable to flexibly and cost effectively scale out. Inefficient scaling makes it much harder for you to keep pace with the growing and unpredictable demands of traditional, modern, and consolidated workloads.

Finding the cure for painful legacy storage tech refreshes can be a challenge. Legacy storage can lock you into costly, disruptive rip-and-replace forklift upgrades as frequently as every three to five years. This requires a rebuy of storage capacity and components, as well as a complex, time-consuming data migration process. Who needs this if you can find a better way?

### 3. End the constant firefighting

Most traditional storage offerings are not suitable for mission-critical applications that require 100% data availability. App downtime and time-consuming support escalations impact your IT team's ability to meet SLAs. Instead, time is spent with endless firefighting up and down the IT stack, managing disruptions and tuning infrastructure.

## The reasons are clear: It is time to modernize your block storage

One compelling way to do this is with HPE Alletra Storage MP B10000. It delivers the industry's only disaggregated, scale-out block storage with a 100% data availability guarantee.<sup>1</sup> The unique modern architecture of HPE Alletra Storage MP B10000 lets you scale capacity and performance independently—helping eliminate overprovisioning and reducing storage costs by up to 40%.<sup>2</sup> Managed through HPE GreenLake cloud, it delivers up to 98% operational time saving with intelligent self-service provisioning.<sup>3</sup> And it brings extreme resiliency and performance to your most demanding mission-critical apps—from large databases to modern cloud-native apps to consolidated mixed workloads.

<sup>1,3</sup> "HPE Storage substantiation," HPE, 2024.

<sup>2</sup> Based on internal use case analysis, the HPE Alletra Storage MP B10000 reduces total cost of ownership (TCO) versus non-disaggregated architectures by allowing organizations to avoid overprovisioning.

## Choose from multiple deployment options

With the HPE Alletra Storage MP B10000, you have multiple deployment options. You can deploy on-prem and manage from the cloud. You can leverage public cloud storage such as AWS for a true software-defined hybrid experience. Or, if yours is a regulated industry, you can run completely disconnected and isolated block storage for compliance and security.

### Use cases demonstrate modernization success

Enterprises across industries are placing the HPE Alletra Storage MP B10000 at the heart of their modernization and transformation initiatives. Case in point: A leading healthcare software company<sup>4</sup> is benefiting from higher resiliency, improved support experience, and superior performance with the HPE Alletra Storage MP B10000. A major bank<sup>5</sup> has transformed its data storage infrastructure to deliver faster, more personalized data services with greater speed, reliability, and cost efficiency. A regional natural gas distributor<sup>6</sup> is experiencing significant operational time and money savings with the HPE Alletra Storage MP B10000. And an IT services company<sup>7</sup> is consolidating its multivendor data center onto a unified platform that leverages the HPE Alletra Storage MP B10000 for ease of management and scalability.

These and other companies in financial services, education, healthcare, oil and natural gas, and more are leaving complexity behind. They've chosen the HPE Alletra Storage MP B10000 platform to speed storage modernization while achieving agility and increasing infrastructure efficiency at scale. Now apps are uninterrupted—with no more price-performance compromises.

Is your enterprise ready to start reaping the benefits that come with modernizing your block storage?

## Learn more at

[HPE.com/HPE-Alletra-Storage-MP/B10000](https://www.hpe.com/HPE-Alletra-Storage-MP/B10000)

<sup>4</sup> ["Delivering scalable storage for 24x7 healthcare,"](#) HPE, 2024.

<sup>5</sup> ["The hybrid path to faster, personalized banking,"](#) HPE, 2025.

<sup>6</sup> ["Flexible infrastructure keeps Gruppo SGR competitive in the volatile energy sector,"](#) HPE, 2025. <sup>7</sup> ["Storage strength through unity,"](#) HPE, 2025.

<sup>7</sup> ["Storage strength through unity,"](#) HPE, 2025.

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a50012352ENW, Rev. 1

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