



Solve enterprise storage challenges for modern data demands

Introduction

Today's organizations face significant challenges in harnessing and scaling storage systems to meet skyrocketing data demands. Inefficient infrastructures often create operational silos leading to performance bottlenecks, costly maintenance, limited flexibility, and wasted resources.

Meanwhile, managing both structured and unstructured data across these siloed and outdated systems not only complicates integration but may also require specialized skills for efficient data access. Limited data mobility across hybrid clouds can further hamper flexibility causing frequent disruptions, lengthy recovery times, and soaring backup costs that strain resources.

There is a better way forward.

Hewlett Packard Enterprise enables customers to harness one platform and one experience for every workload for both structured and unstructured data storage needs. Our disaggregated architecture means that your data can be configured for different software-defined storage personas and use cases. This enables you to deploy block, file, or object workloads on common hardware. You manage everything with a unified cloud experience through HPE GreenLake cloud as you reduce silos and complexity and improve total cost of ownership and return on investment.

It's time to unleash the full potential of your data with flexible, intuitive, and intelligent storage solutions from HPE. Read on to discover new ways to modernize your legacy infrastructure and solve storage challenges for modern data demands with unified storage solutions that enhance scalability, security, efficiency, and resilience.

Get more value and accelerate the full potential of your data

Legacy storage can lock you into costly, disruptive rip-and-replace upgrades every three to five years, requiring purchase of increased storage capacity and components, as well as complex and time-consuming data migrations. Adopting modern solutions allows you to gain insights quickly and help maximize the value of both structured and unstructured data.

HPE Storage can help you improve performance, scale effortlessly, and achieve data availability across your hybrid cloud, enabling you to turn both structured and unstructured data into valuable insights. By simplifying management and leaving legacy limitations behind, you'll drive innovation, lower costs, and keep your business ready for whatever comes next.



Achieve enhanced intelligence and faster insights

HPE enables seamless support for AI and data-driven workloads by helping eliminate bottlenecks and reducing management complexity, and providing the agility needed to gain faster, actionable insights that drive innovation and operational efficiencies. HPE disaggregated architecture also allows resources to scale independently, helping ensure you can rightsize your environment and benefit from enhanced data mobility, security, and control.

HPE solutions that address and solve today's data modernization challenges

HPE Alletra Storage MP B10000

Get the industry's first disaggregated, scale-out, mission-critical block storage with a 100% data availability guarantee.¹ With HPE Alletra Storage MP B10000, delivered and managed through HPE GreenLake, you will experience an intuitive cloud experience, efficient scale, and extreme resiliency and performance for all of your mission-critical applications and workloads.

HPE Alletra Block Storage for AWS

Bring the advanced capabilities and simplified experience of HPE Alletra Storage MP B10000 to AWS. HPE Alletra Block Storage for AWS is a new software-defined storage solution that extends the enterprise-class capabilities of HPE Alletra Storage MP B10000 to AWS. It enables you to simplify operations and innovate faster with unified management, consistent data services, and seamless data mobility across hybrid cloud.

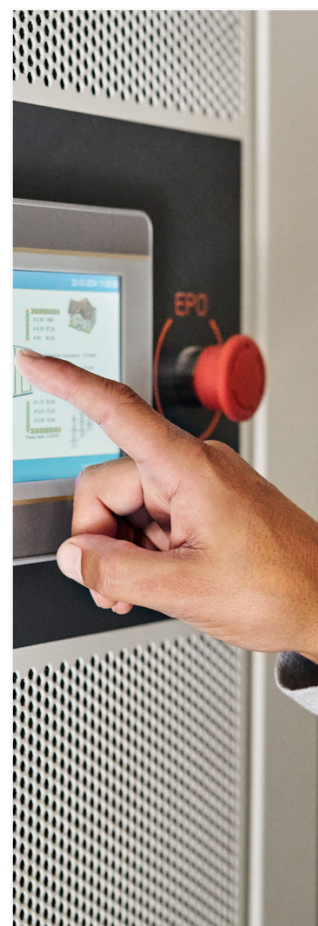
HPE Alletra Storage MP X10000

Simplify and future-proof your storage experience with HPE Alletra Storage MP X10000. This revolutionary scale-out solution consolidates high performance object storage and massive scale, turbocharges data-intensive workloads, unleashes unparalleled value from your data, and simplifies management with a cloud experience.

Deploy once, upgrade in place, and modernize seamlessly as your needs grow—no disruptive upgrades, data migrations, or costly media replacements are needed.

Benefits of modernizing your storage experience

- Move beyond legacy infrastructure to modernize your storage
- Achieve agility, efficiency, and scalability across edge, to data center, to cloud
- Experience data that is more actionable and manageable across hybrid cloud environments
- Minimize bottlenecks and reduce management complexity for AI and data-driven workloads
- Take advantage of greater agility to gain faster insights and better decision-making
- Scale to rightsize your environment independently for enhanced data mobility, security, and control



¹ ["HPE Storage quality substantiation,"](#) HPE, 2024



Conclusion

The time for data modernization is today.

HPE solutions are designed to modernize your storage infrastructure with flexible, intelligent, and scalable systems that support AI, data-driven workloads, and hybrid environments. By simplifying management and enhancing performance with disaggregated storage and cloud-like experiences, HPE empowers organizations like yours to unleash the full potential of data, improve resilience, and drive innovation without the traditional limitations.

For more information, check out our [brief](#).

Learn more at

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