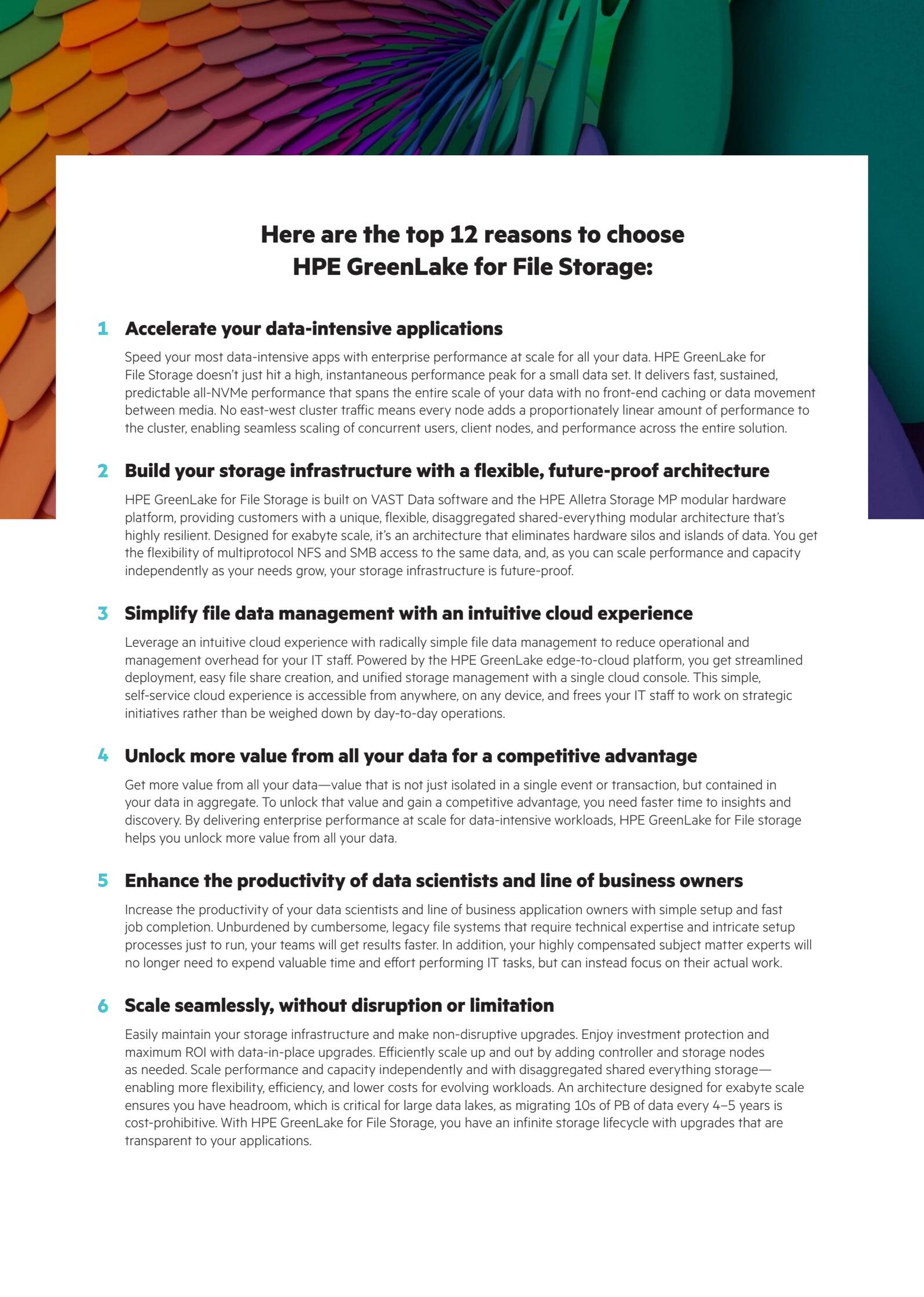




Top 12 reasons to choose HPE GreenLake for File Storage

HPE GreenLake for File Storage offers everything you need to seize a competitive advantage: enterprise performance at scale that supercharges your most data-intensive applications; an intuitive cloud experience with radically simple file data management; and more value from all your data via faster time to Big Data and ML insights.



Here are the top 12 reasons to choose HPE GreenLake for File Storage:

1 Accelerate your data-intensive applications

Speed your most data-intensive apps with enterprise performance at scale for all your data. HPE GreenLake for File Storage doesn't just hit a high, instantaneous performance peak for a small data set. It delivers fast, sustained, predictable all-NVMe performance that spans the entire scale of your data with no front-end caching or data movement between media. No east-west cluster traffic means every node adds a proportionately linear amount of performance to the cluster, enabling seamless scaling of concurrent users, client nodes, and performance across the entire solution.

2 Build your storage infrastructure with a flexible, future-proof architecture

HPE GreenLake for File Storage is built on VAST Data software and the HPE Alletra Storage MP modular hardware platform, providing customers with a unique, flexible, disaggregated shared-everything modular architecture that's highly resilient. Designed for exabyte scale, it's an architecture that eliminates hardware silos and islands of data. You get the flexibility of multiprotocol NFS and SMB access to the same data, and, as you can scale performance and capacity independently as your needs grow, your storage infrastructure is future-proof.

3 Simplify file data management with an intuitive cloud experience

Leverage an intuitive cloud experience with radically simple file data management to reduce operational and management overhead for your IT staff. Powered by the HPE GreenLake edge-to-cloud platform, you get streamlined deployment, easy file share creation, and unified storage management with a single cloud console. This simple, self-service cloud experience is accessible from anywhere, on any device, and frees your IT staff to work on strategic initiatives rather than be weighed down by day-to-day operations.

4 Unlock more value from all your data for a competitive advantage

Get more value from all your data—value that is not just isolated in a single event or transaction, but contained in your data in aggregate. To unlock that value and gain a competitive advantage, you need faster time to insights and discovery. By delivering enterprise performance at scale for data-intensive workloads, HPE GreenLake for File storage helps you unlock more value from all your data.

5 Enhance the productivity of data scientists and line of business owners

Increase the productivity of your data scientists and line of business application owners with simple setup and fast job completion. Unburdened by cumbersome, legacy file systems that require technical expertise and intricate setup processes just to run, your teams will get results faster. In addition, your highly compensated subject matter experts will no longer need to expend valuable time and effort performing IT tasks, but can instead focus on their actual work.

6 Scale seamlessly, without disruption or limitation

Easily maintain your storage infrastructure and make non-disruptive upgrades. Enjoy investment protection and maximum ROI with data-in-place upgrades. Efficiently scale up and out by adding controller and storage nodes as needed. Scale performance and capacity independently and with disaggregated shared everything storage—enabling more flexibility, efficiency, and lower costs for evolving workloads. An architecture designed for exabyte scale ensures you have headroom, which is critical for large data lakes, as migrating 10s of PB of data every 4–5 years is cost-prohibitive. With HPE GreenLake for File Storage, you have an infinite storage lifecycle with upgrades that are transparent to your applications.

7 Forget storage tiering

Keep all your data on a single tier of fast, scalable, affordable all-NVMe flash. No more silos, complex data movement workflows, or application wait times. When exabytes of data are available in real time, new insights become possible.

8 Gain enhanced resilience with low overhead

With next-generation erasure codes that break the cost/resilience tradeoff, HPE GreenLake for File Storage brings the cost of error correction down to just 3% while delivering significantly more resilience than traditional erasure codes.¹ The new data protection codes provide higher resiliency with no rebuild times for controller failures, resulting in a 99.9999% durable architecture.²

9 Access best-in-class data efficiency

With its unique Similarity algorithm, you get data reduction that is superior to compression and deduplication. Similarity looks at data from both a global and fine-grained perspective and delivers up to 2:1 reduction for life sciences data; 3:1 for pre-reduced backups, pre-compressed log files, and HPC and animation data; and 8:1 for uncompressed time-series data.³

10 Get everything as a service

Accelerate your data-first modernization with the unified experience, control, and visibility of HPE GreenLake, which brings the cloud to wherever your apps and data live. HPE GreenLake for File Storage is powered by HPE GreenLake, giving you fast and easy access to over 70 cloud services.

11 Accelerate business outcomes

HPE GreenLake for File Storage empowers you to transform from IT operator to service provider, which means you can focus on accelerating outcomes, not managing infrastructure. Speed time to value with 80x faster Read performance than legacy NAS and 100s of GB/sec of throughput and beyond.⁴

12 Harness an optimized solution

HPE GreenLake for File Storage supercharges your most data-intensive workloads for artificial intelligence (AI), machine learning (ML), Big Data, deep learning (DL), high-performance computing (HPC), life sciences, financial analytics, media and entertainment, large data lakes, and high-speed access to data archives.

Learn more at

hpe.com/data/hpe-greenlake-file-storage

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^{1,2,3,4} [HPE storage substantiation](#)