

HPE XP storage family

HPE XP8 Gen2 Storage — more performance, more agility, and more reliable than ever



Data stored on HPE XP storage has been available 100% of the time for every customer.³

Today, HPE XP is the benchmark for extreme reliability, with demonstrated performance under extreme conditions.

During the last nine years in customer production environments, data stored on HPE XP Storage has been available for every second of every day, for every customer!

Targeted at mission-critical Open System, HPE NonStop, and mainframe environments, HPE XP8 Gen2 Storage is engineered to deliver extreme availability and performance for enterprise applications at scale, allowing HPE XP customers to be in full confidence that data is constantly available and protected. HPE XP8 Gen2 raises the bar even higher by offering more data efficiency and up to 2.5x more performance.¹

Absolute resiliency

Fault-tolerant 8-nines architecture with a 100% data availability guarantee²

We understand that maintaining data availability is paramount for success in today's fast-paced and ultra-competitive market. When access to data is interrupted, even for a few seconds, it can lead to significant damage such as loss of productivity, revenue, and credibility. This is why HPE XP has been one of the most popular choices for those customers who simply can't afford a single second of downtime.

¹ Based on HPE internal testing, HPE XP8 registered 2.5x performance improvement when comparing HPE XP8 DKC compression to Gen2 compression accelerator using random mix 65/35 64K block.

^{2,3} [100% data availability](#)



HPE XP8 Gen2 Storage has a fully redundant 8-nines architecture designed from the ground up for everything online. It combines an extremely reliable architecture — full online scalability and completely redundant hardware — with industry-leading disaster recovery (DR) solutions. This means no downtime for upgrades, migration, maintenance, or even complete data center outage. So, you can be sure that your data is constantly available and protected.



HPE XP8 Gen2 Storage

Faster transactions

HPE XP8 Gen2 delivers industry-leading performance of 33M IOPS⁴ at microsecond latency.

The HPE XP platform is not only one of the most reliable, but it's also one of the fastest storage arrays in the world. The new HPE XP8 Gen2 Controllers and Compression Accelerator combine to deliver 33M IOPS in under 40 microsecond latency, which is 2x the performance of the next best competitor. Mixed workloads can experience up to 2.5x performance improvement over the initial HPE XP8 release.

Agile

Online data mobility, scalability, and automation

HPE XP8 Gen2 offers the flexibility to help optimize for any extreme mission-critical workload. Start small and scale capacity and performance online as your application requirements grow. Start with a single disk controller chassis (DKC) paired with a single pair of controllers and scale up to 6 DKCs and 12 controllers. Whether you require all-flash or hybrid, store up to 69 PB with a wide choice of supported media including NVMe, and SAS (SSD/HDD). NVMe and SAS can run concurrently within HPE XP8 to help maximize flexibility and help optimize performance and cost. HPE XP8 also supports FC NVMe for complete end-to-end NVMe.

⁴ Based on HPE internal testing, HPE XP8 registered 33M IOPS, which is higher than the published numbers of the competition (8K read with 100% cache hits), 2023





Intelligence analytics

Intelligent software suite for simplified management

HPE XP8 Gen2 comes with an intelligent management suite of software, which provides built-in intelligence and analytics for simplified management.

HPE XP8 Intelligent Storage Manager (ISM) is a simplified management tool that reduces the complexity of managing storage systems by simplifying the setup, management, and maintenance of storage resources.

HPE XP8 Data Protection Manager is the answer for implementing contemporary data protection and copy management processes to improve data availability, compliance, governance, agility, and costs. HPE XP8 Data Protection Manager enables administrators to create policies and workflows to automate replication and copy data management, removing vast amounts of complexity and the need to create and manage custom scripts.

HPE XP8 Performance Advisor analyzes over seven million data points per hour to predict, prevent, and report to help ensure peak performance. HPE XP8 Performance Advisor virtual machine analytics provide end-to-end monitoring and troubleshooting of virtual machines and storage.

Learn more at

[HPE.com/storage/XP8](https://hpe.com/storage/XP8)

Explore **HPE GreenLake** 



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