



# REDUCE YOUR STORAGE CAPACITY REQUIREMENTS BY AT LEAST 50%

## HPE XP8 Compression Guarantee Program



### Penalty-free inline data compression

With other storage arrays, turning on data compression comes with a significant performance penalty—not with HPE XP8 storage. Unique inline compression using HPE XP8 Flash Module Devices (FMDs) compresses data by at least 50% with “zero” performance impact!

**Does your storage environment effectively meet today’s needs while being aligned to meet future challenges?**

Accelerate your move to HPE XP8 storage with consulting services from HPE Pointnext Services.

Get help in determining the future state of your storage environment with the HPE Storage Modernization Service:

- Review overall architecture and storage administration for maximum availability and efficiency
- Identify the optimal transformation scenario based on technical and financial criteria and develop reference architecture and road map plan

Migrate your organization’s critical data seamlessly to HPE XP8 with HPE Data Migration Services:

- Accelerate time to solution and optimize your return on investment
- Reduce transformation risk and time, and minimize impact on your operations

**Are you running low on available storage space and looking for ways to increase storage efficiency? When you migrate to HPE XP8 storage, Hewlett Packard Enterprise will guarantee you a reduction in required capacity by at least 50%.**



### HPE XP8 COMPRESSION GUARANTEE PROGRAM

Gain peace of mind by selecting HPE XP8 at your next technology refresh. Migrate your data to HPE XP8 All-Flash storage and reduce the amount of capacity required to store your data by at least 50%—guaranteed.<sup>1</sup> The unique inline compression technology of HPE XP8 provides penalty-free compression. If the guaranteed savings are not met, Hewlett Packard Enterprise makes up the difference by providing up to 28 TiB of additional raw disk capacity, plus all related software and support.

By opting for the HPE XP8, you’ll be choosing worry-free migration and “zero” impact data compression—now that is refreshing!

### COMPRESSION WITHOUT COMPROMISE

**How can we do this?** Imagine a single module that allows for densities of up to 14 TB per device. Imagine that its custom ASIC controller provides added computing resources for inline data compression, managing parallel tasks and concurrent I/Os.

That’s the FMD. Unique to HPE XP line and similar to a solid-state drive (SSD), is a purpose-built solid-state device that takes the burden off the broader array. An ASIC with built-in compression engine compresses data in the most effective and direct way possible; it also happens with zero impact to the overall HPE XP8 performance.

<sup>1</sup> Qualification for the HPE XP8 Compression Guarantee is subject to your compliance with the HPE XP8 Compression Guarantee Program Terms and Conditions, which will be provided by your HPE Sales or Channel Partner representative.

## Solution brief

HPE XP8 is created with state-of-the-art hardware and software storage technology. Supplement that with applied expertise in redundancy, eliminating single points of failure, proactive and reactive error management, performance tuning, and continuous quality improvement, the result is an industry-leading tier-0 storage platform providing peace of mind to all customers. Continued investment in Resilience, Performance, Intelligence, and Agility will only increase customer confidence in deploying HPE XP8. Key features include:

- Multiarray virtualization
- Three Data Center DR solution
- Nondisruptive online data migration
- Always-on disaster recovery (DR)
- NVMe
- 100% Data Availability Guarantee<sup>2</sup>
- 21M IOPS performance
- Inline HW compression with zero performance penalty
- New HPE XP8 Performance Advisor virtual machine analytics
- HPE Intelligent Storage Manager
- HPE XP8 Compression Guarantee Program<sup>3</sup>
- HPE Data Protection Manager

<sup>2</sup> Qualification for the HPE XP8 Get 100% Data Availability Guarantee is subject to your compliance with the HPE XP8 Get 100% Data Availability Guarantee Program Terms and Conditions, which will be provided by your HPE Sales or Channel Partner representative.

<sup>3</sup> Qualification for the HPE XP8 Compression Guarantee is subject to your compliance with the HPE XP8 Compression Guarantee Program Terms and Conditions, which will be provided by your HPE Sales or Channel Partner representative.

<sup>4</sup> Based on HPE internal quality and support monitoring. Excludes availability outages caused by factors external to HPE XP8 hardware and software.

This is an important differentiator. Other storage solutions don't offer a similar feature. With those arrays, it's not a question of "if" but "how much" performance will be lost by turning on compression.

While the HPE XP8 Compression Guarantee Program applies to data compression only, HPE XP8 offers additional compaction technologies such as Thin Provisioning and Deduplication that provide additional opportunities for storage savings.

## DESIGNED TO MANAGE THE UNEXPECTED

At Hewlett Packard Enterprise, we understand that maintaining data availability is key for success in today's fast paced and ultra-competitive market. When access to data is lost, even for a few minutes, it can lead to irreversible damage. Productivity is reduced. Revenue is lost. Credibility and reputation can be damaged. This is why innovation in reliability and availability is always top priority for HPE design teams.

With HPE XP8, extreme availability was embedded in the hardware and firmware from the start. It is an inherent part of the product's DNA. Moreover, with every release, feature improvements and fine-tuning of process and best practices further increase the reliability of the system. Today, HPE XP8 is the perfect example for extreme reliability with demonstrated performance under extreme conditions.

As of time of this publication, data stored on HPE XP7 has been available every second, every day for every customer!<sup>4</sup> So while other storage vendors tout data availability in terms of 9s (for example, 5 nines = 99.999%), HPE XP Storage doesn't use 9s when talking about availability because there are no 9s in 100%.

## STORAGE BUILT TO MEET EXTREME REQUIREMENTS

HPE XP8 storage provides Extreme Availability, Top Performance, and Easy Consolidation for enterprise data centers.

HPE XP8 is targeted at mission-critical Open System, NonStop, and Mainframe applications requiring 100% data availability with no downtime. It combines an extremely reliable architecture—full online scalability and completely redundant hardware—with ultra-high performance, advanced data replication, DR, and online data migration capabilities. HPE XP8 array-based virtualization as well as compression and deduplication features increase resource utilization and drive storage efficiency and affordability.

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