

Hundred percent data availability

HPE XP7 100% Data Availability Guarantee Program

Guaranteed 100% data availability

While other vendors measure availability in the number of “9s”, there are no “9s” in HPE XP7 100% Data Availability.

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

Accelerate your move to HPE XP7 storage with consulting services from HPE Pointnext.

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 XP7 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

Does your fault tolerant application need uninterrupted access to storage data, even under failure or maintenance conditions? Get 100% data availability, guaranteed, with the HPE XP7 storage array.



Designed to manage the unexpected

At Hewlett Packard Enterprise, 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 minutes, it can lead to irreversible damage. Productivity is reduced. Revenue is lost. Credibility and reputation can be damaged. Business viability may even be questioned.

This is why innovation in reliability and availability is always top priority for HPE design teams.

With HPE XP7, extreme availability is 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 XP7 is the perfect example for extreme reliability with demonstrated performance under extreme conditions.

As of the time of this publication, data stored on HPE XP7 has been available every second, every day for every customer!¹ So while other storage vendors tout data availability in terms of 9s (for example, 5 nines = 99.999% availability), HPE XP7 doesn’t need 9s when talking about availability. There are no 9s in 100%.

¹ Based on HPE internal quality and HPE Pointnext monitoring; Excludes availability outages caused by factors external to HPE XP7 hardware and software.

Solution brief

HPE XP7 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, and the result is an industry-leading tier-1 storage platform providing peace of mind to all customers. Continued investment in Extreme Availability, Top Performance, Easy Management, and Improved Affordability will only increase customer confidence in deploying HPE XP7. Recent enhancements include

- Multiarray virtualization
- Three Data Center DR solution
- Nondisruptive online data migration
- Always-on DR
- High availability quorum resiliency enhancements
- 100% Data Availability Guarantee²
- 4.8M IOPS performance
- Inline HW compression with zero performance penalty
- New HPE XP7 Performance Advisor GUI
- REST API support for improved monitoring and third party integration
- HPE XP7 Compression Guarantee Program³
- Higher capacity HDD/SSD at lower \$/GB
- Controller-based inline compression and deduplication for lower CAPEX

^{2, 5} Qualification for the HPE XP7 Get 100% Data Availability Guarantee is subject to your compliance with the HPE XP7 Get 100% Data Availability Guarantee Program Terms and Conditions, which will be provided by your HPE Sales or Channel Partner representative.

³ Qualification for the HPE XP7 Compression Guarantee is subject to your compliance with the HPE XP7 Compression Guarantee Program Terms and Conditions, which will be provided by your HPE Sales or Channel Partner representative.

⁴ Doubling the capacity is part of the compression guarantee. Substantiation and remedy if not achieved is outlined in the terms and conditions.

⁶ Based on HPE internal quality and HPE Pointnext monitoring; Excludes availability outages caused by factors external to HPE XP7 hardware and software.

Storage built to meet “extreme” requirements

HPE XP7 storage provides Extreme Availability, Top Performance, and Easy Consolidation for enterprise data centers.

HPE XP7 is designed for 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, disaster recovery (DR), and online data migration capabilities. HPE XP7 array-based virtualization as well as compression and deduplication features increase resource utilization and drive storage efficiency and affordability.

HPE XP7 storage array-based virtualization integrates with clustering solutions for complete business continuity, disaster tolerance, and data protection. The XP7 storage virtualization increases availability, simplifies DR, and improves resource utilization by helping eliminate storage silos.


HPE XP7 Flash Module Device (FMD) cater to extreme performance and low latency needs, which are efficiently met with the higher performance, lower cost solid-state nonvolatile data capacity. Attain both ultra-high performance and sustained extremely low response times for the most demanding application workloads. The FMD compression engine delivers over double the flash capacity per device, and the higher density FMDs makes mission-critical flash more affordable.⁴

HPE XP7 Get 100% Data Availability Guarantee Program⁵

By deploying any new HPE XP7 storage system following standard configuration guidelines, you get an extreme-availability storage system for your most demanding workloads.

Hewlett Packard Enterprise has always been committed to quality, availability, and reliability. That commitment has paid off in HPE XP7. Since HPE began delivering HPE XP7 systems three years ago, customers have experienced the ultimate in extreme availability. **Data stored on HPE XP7 has been available 100% of the time for every customer.**⁶ HPE is so confident that HPE XP7 customers will continue to experience extreme availability that we'll back it up with a guarantee in writing. If you experience less than 100% availability while adhering to the terms and conditions of the HPE XP7 Get 100% Data Availability Guarantee Program, HPE will work with you to resolve the issue and provide three additional months of support free.

Learn more at hpe.com/in/en/storage/enterprise-xp

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