

# HPE StoreAll Storage



## Delivers hyperscale storage to tame and mine your content explosion

Do you need to increase storage efficiency, improve data governance, or reduce risk by archiving unstructured data?

HPE StoreAll Storage is hyperscale, harnessed, instant, economic storage to tame and mine your content explosion—from enterprise user online file sync/share and content depots to general archives, governance archives, and backup repositories. StoreAll increases your return on information, infrastructure, and individuals by enabling you to effectively store, retain, protect, manage, access, AND extract value from continuously growing unstructured data.

StoreAll scales out massively without complexity to billions of files and objects with access via a broad range of included file protocols and native OpenStack Object Storage API. It brings structure to your unstructured data with data retention, WORM, auditing, and data integrity validation. Metadata analytics and search can be performed up to 100,000x faster with

StoreAll Express Query—enabling sophisticated storage administration and enhancing integrated applications. Costs can be scaled down over time with policy-based tiering.

Reduce the cost, complexity, and time needed to retain, access, and extract business value from your continuously growing unstructured data—whether you are deploying established or new-generation cloud archives, escape the boundaries of traditional NAS with HPE StoreAll Storage.

## Key features and benefits

### Hyperscale: Massive scalability without complexity

- Seamlessly scale out with HPE StoreAll Storage to billions of files and objects.
- Deploy established and new generation cloud archive applications with data access via a broad range of included file protocols and native OpenStack Object Storage API.
- Manage StoreAll Storage and your data from the central, Web-based Management Console.

### Archiving solutions

Is the data explosion coupled with retention requirements triggering runaway IT spend on storage for your organization?

HPE intelligent archiving solutions can lower the overall total cost of ownership of storage, implement governance policies aligned with business needs, and extract value from data faster for informed business decisions.

**Learn more about popular solutions with HPE StoreAll by visiting [hp.com/go/StoreAll](http://hp.com/go/StoreAll)**



**[Read the Clinique Saint-Jean case study](#)**

### Harnessed: Structure for unstructured data with long-term durability

- HPE StoreAll Storage enables adherence to your organization's governance policies with data retention services and WORM file immutability.
- Conduct forensics for timely administrator action with pervasive auditing of file system events.
- Add meaning to your data with embedded custom metadata tagging using StoreAll Express Query.
- Proactively manage long-term data durability with integrated data integrity validation.

### Instant: Up to 100,000x faster analytics and search<sup>1</sup>

- Make metadata informed storage administration decisions orders of magnitude more quickly using StoreAll Express Query-powered reporting within HPE StoreAll Storage.
- Enhance applications by integrating with the StoreAll Express Query REST API, and avoid the cost and complexity of an external metadata database.

### Economic: Scale down costs of storing data over time

- HPE StoreAll Storage optimizes your costs throughout the data lifecycle with policy-based tiering.
- Modularly add capacity and performance as your archive expands with the pay-as-you-grow architecture.
- Leverage the rich set of all inclusive software features for data retention, protection, optimization, and management.

“We are facing an explosion in the number and size of medical images that need to be archived. Also, our directors and many doctors want us to become a digital, paperless hospital. This all amounts to a big storage challenge and HPE StoreAll has provided the ideal solution.”

– Johan Konings, IT infrastructure manager, Clinique Saint-Jean

<sup>1</sup> Based on HPE internal comparison of traditional file system scans versus HPE StoreAll Express Query. HPE Express Query took 1.434 seconds to complete. The previous find command took 151,278.706 seconds to complete.

## HPE StoreAll Storage



**StoreAll 8200 Gateway Storage**

<b>Model differentiator</b>	Gateway for 1GbE or 10GbE networks that provides archive services with HPE 3PAR StoreServ 7000 and 10000 Storage
<b>Form factor</b>	2U rack mount per Node
<b>Network connectivity</b>	(1) 4-port 1GbE included for management network only; (2) 4-port 1GbE NICs or (2) 2-port 10GbE NICs supported for cluster and client network
<b>Protocols</b>	SMB(CIFS), NFS, FTP and FTPS, HTTP and HTTPS, WebDAV, StoreAll REST API File Compatibility Mode, OpenStack Object Storage API, ICAP, NDMP
<b>Storage connectivity</b>	(1) Smart Array P420i included for mirrored internal OS drives; (1) Fibre Channel HBA included for disk array attach; (1) Fibre Channel HBA supported for offloading backup traffic from the network
<b>Supported disk arrays</b>	HPE 3PAR StoreServ 7000 and 10000 Storage
<b>Storage capacity</b>	Depends on attached disk array; 240 TB maximum per pair of Nodes; 16 PB maximum supported with multiple pairs of Nodes
<b>Data services</b>	Data Retention Policies, WORM, Constant Validation, Snapshots, Continuous Remote Replication, Tiering, Rebalancing, Express Query, Quotas, Auditing, and Reporting included
<b>Management</b>	StoreAll Management Console, Integrated Lights-Out 4 with Advanced License
<b>Warranty (parts-labor-onsite)</b>	3/3/3
<b>What is in the box</b>	(1) HPE StoreAll 8200 Gateway Node; (2) Power cords; Preinstalled StoreAll OS



**StoreAll 8800 Storage**

<b>Model differentiator</b>	Converged hyperscale, economic, ultra-dense appliance that can be flexibly configured for a broad range of archive workloads
<b>Form factor</b>	2U rack mount per Node; 2U or 5U rack mount per Capacity Block
<b>Network connectivity</b>	(1) 4-port 1GbE included for management network only; (2) 4-port 1GbE NICs or (2) 2-port 10GbE NICs supported for cluster and client network
<b>Protocols</b>	SMB(CIFS), NFS, FTP and FTPS, HTTP and HTTPS, WebDAV, StoreAll REST API File Compatibility Mode, OpenStack Object Storage API, ICAP, NDMP
<b>Storage connectivity</b>	(1) Smart Array P420i included for mirrored internal OS drives; (2) StoreAll P1228 RAID Controllers included for user data in supported Capacity Blocks; (1) Fibre Channel HBA supported for offloading backup traffic from the network
<b>Drive types</b>	450 or 900 GB 6G 10K SFF Dual-port ENT SAS and 2, 3, or 4 TB 6G 7.2K LFF Dual-port MDL SAS supported in Capacity Blocks for user data
<b>Storage capacity</b>	560 TB maximum raw capacity supported per pair of Nodes; 16 PB maximum supported across multiple pairs of Nodes
<b>Data services</b>	Data Retention Policies, WORM, Constant Validation, Snapshots, Continuous Remote Replication, Tiering, Rebalancing, Express Query, Quotas, Auditing, and Reporting included
<b>Management</b>	StoreAll Management Console, Integrated Lights-Out 4 with Advanced License included
<b>Warranty (parts-labor-onsite)</b>	3/3/3
<b>What is in the box</b>	(1) HPE StoreAll 8800 Storage Node; (2) Power cords; Preinstalled StoreAll OS

HPE Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment.

[hp.com/go/factoryexpress](http://hp.com/go/factoryexpress)

Gain the skills you need with ExpertOne training and certification from HPE. With HPE Converged Storage training, you will accelerate your technology transition, improve operational performance, and get the best return on your HPE investment. Our training is available when and where you need it, through flexible delivery options and a global training capability.

[hp.com/learn/storage](http://hp.com/learn/storage)

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment.

[hp.com/go/hpfinancialservices](http://hp.com/go/hpfinancialservices)

## Resources

### QuickSpecs

[h18004.www1.hp.com/products/quickspecs/14792\\_div/14792\\_div.pdf](http://h18004.www1.hp.com/products/quickspecs/14792_div/14792_div.pdf)

## HPE Technology Services

**Expert HPE storage consultants and service professionals** sit down with you and your team to map your storage needs.

Not only can we help you accelerate implementation and reduce deployment risk, but we can also help you realize the full value of your storage purchases as you transform storage for the New Style of IT.

### Advise, transform, and integrate

Navigate through the complexities of storage, backup, archive, disaster recovery, and Big Data with advisory, transformation, and integration consulting.

### Deploy and implement

Access expertise to support deployment, operations, relocation, sanitization, and disposal, plus improvement-focused education.

### Operate and support

Find the level of personalized, proactive, and simplified support right for your business.

### HPE Foundation Care

System-level IT hardware and software support delivers flexible coverage window and response time for more choice and simplicity.

### HPE Proactive Care

Combined reactive and proactive services provide easy-to-purchase, cost-efficient system-level support coupled with personalized expert advice and products connected to HPE to help prevent problems and reduce downtime.

**HPE Proactive Care Advanced builds** and incorporates on Proactive Care and also gives customers personalized technical and

operational advice from an assigned, local Account Support Manager for personalized technical collaboration, flexible access to specialist skills to help optimize business critical IT, and enhanced Critical Incident Management to help so the business is not affected if there is a system or device outage.

### HPE Datacenter Care

Get the support you need to deploy, operate, and evolve your data center environment to be hybrid-cloud ready with single-point-of-accountability for HPE and others' product.

Get connected and get back to business—HPE Storage Technology Services provide the path to get your HPE Storage solutions and your business connected to HPE. Once connected, our experts are able to scan your system and run health checks, then use that data to create personalized reports and recommendations for actions to take to prevent problems and downtime.

If none of our support recommendations meet your needs, we can tailor a service solution for your unique support requirements. Only HPE brings together deep expertise, proactive, and business critical support and a strong partner network—plus, a full set of infrastructure services designed to power a Converged Infrastructure.

For more information, visit [hp.com/services/storage](http://hp.com/services/storage).

Learn more at [hp.com/go/StoreAll](http://hp.com/go/StoreAll)



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