



HPE STORAGE FILE CONTROLLERS

File and Object Services for SANs



WHAT'S NEW

- The HPE Storage File Controller features an Intel Xeon-Bronze processor with 16 GB of memory and is designed to connect to HPE MSA arrays and other small SAN environments.
- The HPE Storage Performance File Controller features an Intel Xeon-Silver processor with 32 GB of memory and is designed to connect to HPE 3PAR and HPE Nimble Storage arrays and other larger SANs.

OVERVIEW

Want to get more out of your array or SAN investment? Do you have unallocated capacity you want to use for file shares or services? With HPE Storage File Controllers enabling efficient and highly available file shares using your HPE 3PAR, HPE Nimble, or MSA array capacity, you can get a greater return on your storage investment by enabling more use cases and supporting thousands of concurrent clients. HPE Storage File Controllers are flexible, cluster-ready gateways for enabling file services in SAN environments, and are ideal for diverse user-generated file and application data where scalability and tight Microsoft ecosystem integration are key. Through independently scalable file gateways with up to 8

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- Both HPE File Controllers are built on HPE ProLiant DNA and Microsoft Windows Storage Server 2016.

nodes per cluster and flexible configuration options, the HPE Storage File Controllers offer enterprise-grade capabilities like transparent failovers, cross-protocol support, and non-disruptive maintenance, you can provide users and applications with a robust solution for file serving.

FEATURES

Efficient: Saves You Money and Time

HPE Storage File Controllers come with pre-configured hardware and Microsoft Windows Storage Server 2016 pre-installed. Go from out of the box to online fast with configuration workflows tailored depending on attached array.

Attach the HPE Storage File Controller using Fibre Channel or iSCSI ports on your array with support for multiple 8-node clusters per array and multiple file server roles per cluster.

Know that you are backed by Hewlett Packard Enterprise Technology Services support specialists who are trained in file storage, and who are ready to assist if needed.

Optimized: Tailored for File Services

Utilize a broad range of file access protocols, including Microsoft Hyper-V and SQL Server application storage over SMB. Scale file share capacity with support for up to 64 TiB usable per namespace, and leverage data deduplication and compression to optimize capacity efficiency.

Advanced data management automatically improves use of resources, compliance with data retention policies, and protection of sensitive files, and Hosted BranchCache reduces branch office WAN usage by caching frequently-accessed files locally.

Leverage snapshots to enable user-driven file and folder recovery to ease administrative burden and enable end-users to quickly recover from simple errors.

Secure: Protect Your Data Always

HPE Storage File Controllers can protect data while at rest with file system encryption, and while it is being transferred with SMB encryption and signing.

File Classification Infrastructure can dynamically identify files based on sensitivity and implement sophisticated access controls based on your organization's requirements using Active Directory Rights Management Services.

Reduce cost and complexity by installing antivirus scanning software and data protection agents on-board. Native Microsoft Azure support allows you to seamlessly store backups of data to the cloud, using your Azure subscription, for protection against disasters and catastrophic failures.

Highly Available: Prevent Disruption to Your Business and Users

HPE Storage File Controllers increase uptime with standard features such as near continuous health monitoring with HPE Active Health System, mirrored operating system solid-state drives (SSDs), and advanced memory protection.

Confidently deploy large file systems with file system online self-healing that



reduces the need to take systems offline, online verification, and precise and rapid repair that reduces downtime from file corruption from days or hours to minutes.

Cluster up to eight file controllers for high availability and with transparent failover, enabling continuity of data access in the event of a failure or for online rolling maintenance updates.

Protect data from simple user errors to catastrophic failure using native replication for data sets up to 100 TB.

Technical specifications

HPE Storage File Controllers

Capacity	Designed to utilize available HPE MSA, Nimble Storage, or 3PAR StoreServ array/SAN storage capacity
Storage expansion options	Attach to HPE MSA, Nimble and 3PAR arrays
Compatible operating systems	Microsoft Windows Linux UNIX VMware
Clustering support	Up to 8-node clusters with transparent failover



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
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