

HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit

Flash-ready getting started configuration for the spectrum of workloads and solutions

Respond to changing demands efficiently, effortlessly, and affordably without compromise

To keep pace with your organization’s growing and evolving data landscape, you need a modern, agile storage system that can seamlessly handle both structured and unstructured data—storage that you can grow with and not out of. The HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit has you covered today and for the future.

The HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit features a flash-optimized architecture with hardware-accelerated data compaction, support for the full range of Tier-1 data services, and true multi-protocol convergence to address the spectrum of workloads—efficiently, effortlessly, and affordably without compromise.

Compared to unified storage from other vendors that superficially bolt file capabilities onto block capabilities or vice versa, the HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit is 2X easier to manage, has 2X larger file systems, and is 40 percent more dense—all at a 26 percent lower price.¹

Increase your primary storage efficiency

With the HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit, you’re equipped to increase your utilization and return on investment (ROI) by servicing an expansive range of workloads, individually or together, from a single storage system (figure 1).

2X

Easier to manage

2X

Larger file system size

40%

Better density

26%

Lower cost

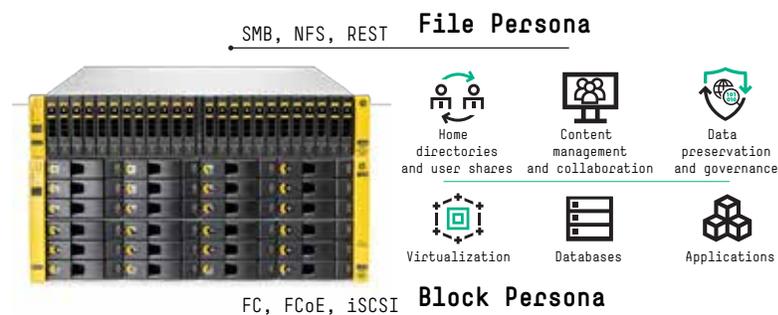


Figure 1: Truly converged storage for the spectrum of workloads and solutions

¹ HPE internal analysis compared to EMC VNX5400 Unified Storage, December 2015



Figure 2: HPE 3PAR StoreServ Management Console dashboard

The HPE 3PAR Gen5 Thin Express ASIC seamlessly accelerates data compaction. You are empowered with one agile capacity for block volumes and file shares, freeing you from the inflexible capacity silos of pseudo-unified and islands of storage of discrete block platforms and file platforms. The addition of HPE 3PAR Adaptive and Dynamic Optimization software licenses further extend granular performance and capacity efficiency.

Provision and administer your storage effortlessly

The HPE 3PAR StoreServ Management Console is an intuitive way of managing the entire HPE 3PAR StoreServ Storage family with a simplified, streamlined Web-based interface for block and file provisioning and administration (figure 2). Global search capabilities and on-demand reports of current and historical system capacity and performance are also included. For those seeking additional control and flexibility, a powerful scriptable CLI plus support for a variety of application interfaces are provided.

The HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit integrates seamlessly into your IT infrastructure, thanks to support for a broad range of operating systems via Fibre Channel, FCoE, iSCSI, SMB, NFS, and Object Access (REST) API, as well as a variety of file user authentication services and antivirus software products. Moreover, OpenStack® Cinder and Manila support enables you to offer your users self-service block volume and file share management in open cloud and hybrid environments.

Don't settle for less

The HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit is designed to eliminate the trade-offs that come with unified storage from other vendors. Built from the only architecture in Gartner's Leader Quadrant for both general-purpose and solid state arrays², and featuring truly converged controllers, truly agile capacity, and truly unified management, HPE 3PAR StoreServ 8200 Converged File and Block Starter Kit proves others do not deliver enough to serve the demands of today and the future.

² Gartner: Magic Quadrant for General-Purpose Disk Arrays, November 2014; Magic Quadrant for Solid-State Arrays, June 2015

Technical specifications

Form factor	6U rack mount total (2U base with 24 SFF drive bays, 4U add-on enclosure with 24 LFF drive bays)
Controllers	2
Cache	64 GiB on-node cache; additional 768 GiB flash cache supported
Maximum raw capacity	750 TiB
Drives	(8) 600 GB 10K SFF and (12) 2 TB 7.2K LFF SAS HDDs included; SSDs and additional HDDs supported
16 Gb Fibre Channel ports	4
10 Gb Ethernet ports	4
1 Gb Ethernet ports	2
Storage protocols	FC, FCoE, iSCSI, SMB/CIFS (3.0, 2.1, 2.0, 1.0), NFS (v4, v3), Object Access (REST) API, and NDMP (v4, v3, v2) included
Software	HPE 3PAR OS Software Suite license for 20 drives includes HPE 3PAR Thin Provisioning, Thin Persistence, Thin Conversion, Thin Deduplication, Adaptive Flash Cache, Full Copy, System Reporter, StoreServ Management Console, and one-year Online Import. HPE 3PAR Replication Software Suite license for 20 drives includes HPE 3PAR Virtual Copy, Remote Copy, Peer Persistence, and Cluster Extension. HPE 3PAR File Persona Software Suite license for 16 TiB usable file capacity includes data services for user authentication, quota management, file snapshots, virus scanning, and backup and restore.

Optional software suites

HPE 3PAR Data Optimization Software Suite	This software bundle combines HPE 3PAR Dynamic Optimization, HPE 3PAR Adaptive Optimization, HPE 3PAR Priority Optimization, and HPE 3PAR Peer Motion Software together. HPE 3PAR Dynamic Optimization delivers the required service levels for the lowest possible cost throughout the data lifecycle. HPE 3PAR Adaptive Optimization improves storage utilization by enabling cost-optimized storage tiering. HPE 3PAR Priority Optimization assures service levels with QoS controls for mission-critical applications. HPE 3PAR Peer Motion enables load balancing at will, wherein movement of data and workloads between arrays does not impact, applications, users, or services. These four software titles bundled in this suite are also sold separately for all HPE 3PAR StoreServ models. Depending on purchase date, titles included in this suite may vary. Check the HPE 3PAR Software QuickSpecs for complete details.
HPE 3PAR Security Suite	This software suite bundles HPE 3PAR Virtual Domains and HPE 3PAR Virtual Lock Software. With this suite, you can segregate access and deliver robust storage services for different applications and user groups with additional security attached to the retention of storage volumes.
HPE 3PAR Application Software Suite For Microsoft® Hyper-V	Protect your Microsoft Hyper-V environment with HPE 3PAR Recovery Manager for Microsoft Hyper-V and the HPE 3PAR VSS Provider Software, included in this software bundle.
HPE 3PAR Application Software Suite for Microsoft Exchange	This bundle gives you the essentials for use with Microsoft Exchange, including HPE 3PAR Recovery Manager for Microsoft Exchange and the VSS Provider Software.
HPE 3PAR Application Software Suite for Oracle	Everything you need for protecting Oracle databases, including HPE 3PAR Recovery Manager for Oracle and Oracle space reclamation capabilities.
HPE 3PAR Application Software Suite for Microsoft SQL	Protect Microsoft SQL databases with HPE 3PAR Recovery Manager for Microsoft SQL and the HPE 3PAR VSS Provider Software.
HPE StoreOnce Recovery Manager Central	By combining the performance of snapshots with the protection of backups, this software integrates HPE 3PAR StoreServ with HPE StoreOnce Backup to provide a converged availability and flat backup service that augments traditional backup processes. With this automated, non-intrusive software, the simplicity and performance of local and remote snapshots can be combined with the reliability and cost-effective retention of deduplicated backups.

HPE Factory Express

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

Customer technical training

Gain the skills you need with ExpertOne training and certification from Hewlett Packard Enterprise. 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

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.

Advice, 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. Note: Specific service availability varies by product.

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 Hewlett Packard Enterprise 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 Hewlett Packard Enterprise 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 Hewlett Packard Enterprise. 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. For more information, visit hp.com/services/storage.

Learn more at
hp.com/go/3PAR



Sign up for updates

★ Rate this document

© Copyright 2015 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries. Oracle is a registered trademark of Oracle and/or its affiliates. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries and is used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community. Pivotal and Cloud Foundry are trademarks and/or registered trademarks of Pivotal Software, Inc. in the United States and/or other countries.

4AA6-3051ENW, December 2015