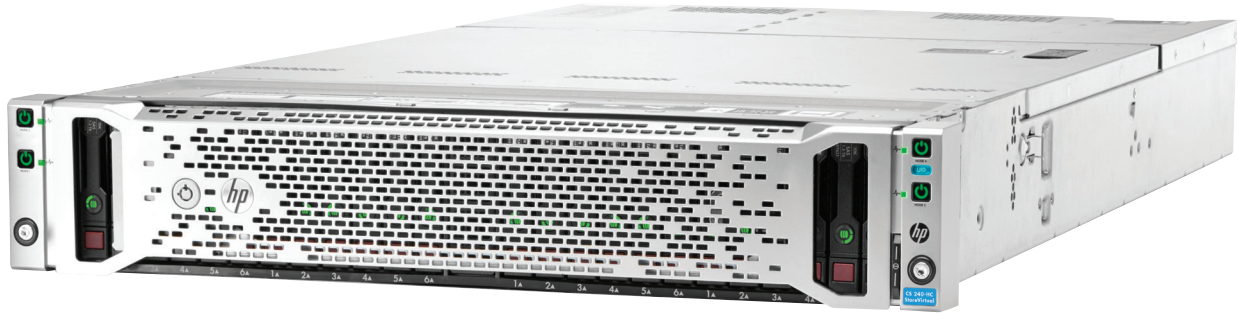**Product brief**

Hyper-converged virtualization platform

HP ConvergedSystem 200-HC StoreVirtual System

A scalable, highly available appliance that combines simple management, powerful compute, and mature data services.

Management simplified

Quick and easy setup in under 15 minutes with management through VMware vCenter console

Virtualization optimized

Designed for application and hypervisor integration with VMware best practices in mind

Hyper-convergence

Serve applications and shared storage from a single solution with five 9's high availability

Moving to a New Style of IT

Overview

Are you tired of the operational costs associated with a build-your-own IT infrastructure model? Maybe you are making a move to a software-defined data center or looking for ways to simplify virtualized environments in small or remote offices.

Rapidly deploy your virtualized environment like never before with the HP ConvergedSystem 200-HC StoreVirtual System, a virtualization platform that seamlessly combines compute and storage. It is designed to simplify the deployment of your applications—from mixed virtualized workloads to business-critical applications to virtual desktops—with the enterprise features and performance needed.

With four powerful, individually-serviceable servers in a single 2U chassis, you'll have an instant server and shared storage cluster serving both applications and data services with a compact footprint. Proven HP ProLiant and HP StoreVirtual technologies are combined into the CS 200-HC system to deliver compute density and efficiency for scale-out workloads and an all-inclusive, enterprise-level storage feature set.

Get all the virtualization features that you are looking for—no need for technical expertise to deploy and manage. HP delivers a single solution that gives you the flexibility to handle changing workloads in a condensed footprint that lets you grow server and storage resources simultaneously.

Simplicity of management

Time to value is essential for any size business. You need a virtualization platform that can get your environment up and running in under 15 minutes. The CS 200-HC is designed with simplicity in mind; the OneView InstantOn installation wizard walks you through the deployment with ease. Day-to-day management of both applications and storage are centrally managed through HP OneView for VMware® vCenter.

All CS 200-HC appliances in your environment—onsite or across multiple sites—can be managed from a single console for simple, easy-to-manage compute and storage. You are able to:

• Provision virtual machines (VMs) from within the VMware vCenter console

• Manage all hyper-converged systems and traditional virtual server systems across all sites from a single console

• Use optional VMware vCenter Operations Manager for increased analytics

Optimized for virtualization

Platform integration with VMware vSphere increases functionality and ease of use while application integration simplifies storage management for applications.

Protect your business with inherent data protection features and disaster recovery (DR) capabilities. The CS 200-HC system provides transparent VM failover across nodes, systems, and sites bringing you worry-free protection in the event of a failure. Backup and recovery is equally easy with storage-based snapshots and Remote Copy integration for virtualization platforms and Microsoft® Windows® applications.

The CS 200-HC system is also VMware certified for multi-site DR, which delivers business continuity with failover that is transparent to users and applications. The multi-site configuration maintains data availability beyond a single physical or logical site, and validates full compatibility with VMware high availability (HA) and fault tolerant (FT) features.

Hyper-converged solution

With four servers pre-configured into a 2U chassis for compact compute and storage density, you not only significantly reduce your footprint but also your power consumption. With everything you need in one box, the CS 200-HC system serves both applications and data services with four times the compute in 75 percent less footprint required[1] than traditional rack servers.

The pre-installed, pre-configured, all-inclusive feature set and automated HP optimization technologies make the CS 200-HC system extremely efficient with features like Adaptive Optimization auto-tiering, thin provisioning, space reclamation, and much more. You can even non-disruptively add, migrate, or replicate data between virtual and physical appliances without sacrificing performance with built-in HP Peer Motion.

Product offerings

There are two models to choose from:

HP CS 240-HC StoreVirtual System
- Four compute nodes with VMware vSphere and StoreVirtual software
- 64 CPU cores @ 2.0 GHz each
- 512 GB RAM total
- 8x 10GbE and 8x 1GbE ports total
- 24 x 1.2 TB SAS SFF drives total

HP CS 242-HC StoreVirtual System
- Four compute nodes with VMware vSphere and StoreVirtual software
- 80 CPU cores @ 2.8 GHz each
- 1 TB RAM total
- 8x 10GbE and 8x 1GbE ports total
- 16 x 1.2 TB SAS SFF drives and 8 x 400 GB SFF SSDs total with Adaptive Optimization

Scale-out to four CS 200-HC appliances in one resource pool; manage multiple pools from the same management console.

Learn more at
hp.com/go/hyper-converged

[1] As compared to four individual 2U servers