

HPE ConvergedSystem 500 for SAP HANA scale-up configurations

Transform your business with real-time data management

Giving you the power to run real-time analytics, streamline data warehousing, and optimize business application performance.

Moving at the speed of your real-time business

HPE enables you to deploy SAP HANA with confidence and to speed your time-to-value by offering:

- Tightly integrated solutions that include HPE servers, storage, networking, management software, and SAP HANA software
- HPE factory configuration, testing, and rapid onsite deployment services
- Simplified, system-level support, including proactive and reactive services
- Automated high availability (HA) and disaster tolerance (DT) for the SAP HANA database through the optional HPE Serviceguard for SAP HANA
- Decades of experience with a long-term commitment to working closely with SAP to remain at the forefront of innovation and to offer industry-leading x86 systems

Simplicity accelerates innovation

The gap between business demands and legacy IT is widening. To keep up, you need to find new solutions that allow your IT staff to shift focus from maintaining aging infrastructure to finding innovative ways to maximize the business value of information for your entire organization.

Hewlett Packard Enterprise and SAP® have joined together to deliver HPE ConvergedSystem 500 for SAP HANA® so you can easily leverage the speed of the SAP HANA platform to transform data into competitive advantage. HPE ConvergedSystem 500 for SAP HANA is simple to buy, quick to install, highly efficient, and easy to maintain and support.

With HPE, you gain the confidence of working with the only player that has the vision, architecture, expertise, and end-to-end services for simplifying your IT infrastructure on the SAP HANA platform. Regardless of where you start or want to go, HPE can get you there—enabling rapid deployment, smooth migration, and greater business continuity.

Analytics and reporting

Enable near real-time analysis of your data by deploying SAP HANA as an analytics accelerator on HPE ConvergedSystem 500 for SAP HANA scale-up configurations. Now you can grant users instant access to ad hoc reports based on complex inquiries—from any connected device, and with no reliance on IT.

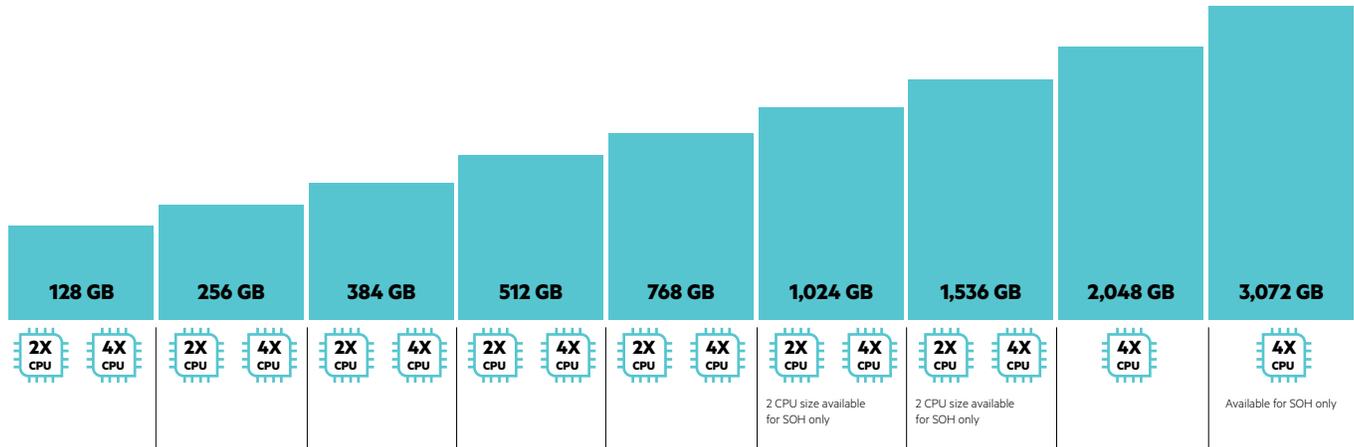
SAP Business Suite powered by SAP HANA

Respond more quickly to changing market environments and make more effective business decisions in real time with HPE ConvergedSystem 500 for SAP HANA scale-up configuration with 128 GB to 3 TB RAM.

Using SAP HANA as the database for SAP Business Suite applications—including enterprise resource planning, customer relationship management, supply chain management, and supplier relationship management—allows you to run all analytic and transaction workloads in real time within the same system, with no performance degradation. SAP also certifies certain accelerators and applications, such as SAP HANA Live, to run on top of the SAP HANA database, where the memory sizing has been optimized for SAP Business Suite on SAP HANA.

HPE ConvergedSystem 500 for SAP HANA scale-up configurations

Proven, turn-key, optimized, high-performance systems from a vendor you can trust



Compute node

Solution component **HPE ProLiant DL580 Gen9 Server with the Intel® Xeon® E7 v3 architecture.** Enterprise-grade x86 servers offering breakthrough performance, rock-solid reliability, and compelling consolidation and manageability efficiencies. HPE ProLiant DL580 Gen9 has security and data protection features for system resiliency that your business can depend on—making it the ideal choice for mission-critical enterprise, business intelligence, and database applications.

Processors Three 18-core processors based on the Intel Xeon E7 v3 architecture are available:

- Intel Xeon E7-8880 v3 (2.3 GHz/18-core/45 MB/150 W)
- Intel Xeon E7-8880L v3 (2.0 GHz/18-core/45 MB/115 W)
- Intel Xeon E7-8890 v3 (2.5 GHz/18-core/45 MB/165 W)

External storage

Solution component **HPE D3700 SAS Storage Disk Enclosure**—Based on the HPE D3700 SAS Storage Disk Enclosure, external storage is available for all scale-up configurations. The small form factor (SFF) HPE D3700 Disk Enclosure with 25 drive bays offers modular solutions to simplify capacity expansion of HPE ProLiant server environments.

Rack **HPE Intelligent Series Rack family**—The next generation of enterprise-class racks designed to meet the current and future requirements of demanding data centers. These racks offer innovative intelligence capabilities for asset management, unparalleled structural integrity, cooling and cable management advances, and a wide choice of power and switching options. Two choices are available:

- HPE 1075 mm Shock Intelligent Rack
- HPE 1200 mm Shock Intelligent Rack

Included software and operating system

Solution components SAP HANA (customer must obtain license to use from SAP).
Operating system—Choose either SUSE Linux® Enterprise Server for SAP Applications Operating System 11 SP3 or Red Hat® Enterprise Linux for SAP HANA version 6.6, both with either a three-year or five-year subscription.
HPE Integrated Lights-Out Advanced—A suite of embedded management technologies that supports the complete lifecycle of all HPE ProLiant Gen9 servers, from initial deployment to ongoing management and service alerting.

Additional services for**HPE ConvergedSystem for SAP HANA**

HPE Financial Services—Optimize your IT investment strategy with new ways to acquire, pay for and use technology, in lock-step with your business and transformation goals. hpe.com/solutions/hpefinancialservices

HPE Flexible Capacity—Enjoy the flexibility to scale instantly to meet your needs, while only paying for what you use,³ with no large upfront capital expense. hpe.com/services/flexcapacity

Get the total systems experience

HPE ConvergedSystem 500 for SAP HANA allows you to simplify IT by deploying complete solutions—not separate components—built on proven, trusted technology. That means your staff has more time for innovation. With these solutions from HPE and SAP you can achieve business outcomes that matter.

Amplify performance with systems optimized for SAP HANA

Robust HPE ConvergedSystem 500 for SAP HANA is purpose-built and performance-optimized for SAP HANA. Meeting a wide variety of business needs, these systems offer:

- **More choice**—With 12 new scale-up configurations in a wide variety of memory sizes
- **Simplified data center management**—By increasing density by 100 percent
- **More speed**—With a 39 percent increase in workload performance, compared to the previous generation¹

Enjoy unmatched scalability

Grow as your data grows and scale to different SAP HANA workloads—analytics, data warehouse, and business applications—to protect investments and expand as needed. HPE makes it easy for you to scale up and out with modular, standards-based architecture available in scale-up configurations up to 3 TB and scale-out systems that can grow up to 68 TB.²

Experience simplicity

HPE ConvergedSystem 500 for SAP HANA dramatically simplifies IT through quick deployment by HPE experts, seamless migration, and system-level support, which includes:

• Deployment Services

- **HPE Factory Express Deployment Service**—Includes installation of the Linux operating system and SAP software at the factory, as well as onsite installation—with the pre-tested, pre-configured hardware built to your exact specifications.
- **HPE Deployment Accelerator Service for SAP HANA**—Helps you achieve faster time-to-value for your real-time enterprise-wide information. The HPE experts will:
 - Simplify system implementation and configuration
 - Integrate the system into your data center
 - Validate the SAP HANA environment and apply the latest SAP HANA patches
 - Transfer knowledge from HPE experts
- **HPE High Availability Service for SAP HANA**—Designed to achieve disaster recovery at a faster pace, as well as deploy the SAP HANA cluster packages and transfer knowledge about the use and operation of HPE ConvergedSystem for SAP HANA in an HA environment.
- **HPE Disaster Tolerance Service for SAP HANA**—Assists in deployment to not only maintain the integrity of data in the event of failure, but also resumes operations and loads data back into memory as quickly as possible.

• Migration Services

- **HPE Migration Services for SAP HANA**—Helps you move to SAP HANA without disrupting your business. HPE provides a comprehensive review of key SAP HANA migration milestones as part of the detailed migration roadmap and plan.

¹ Intel® performance testing comparing measurements on platform with four E5-8890 v3 2 TB vs. four E7-4890 v3 1 TB running TPC-C workload. intel.com/performance, February 2015.

² 4X CPU, 2 TB per compute node.

³ Subject to minimum capacity.

- **Ongoing Support Services**—Offering an enhanced call experience with advanced technical expertise and end-to-end case ownership, which improves availability and helps optimize your IT infrastructure.
 - **HPE Proactive Care**—Provides access to the HPE Center of Excellence for SAP HANA for a complete solution-level support experience. Proactive Care helps in problem prevention with predictive analytics, personalized analysis with recommendations, and advice, paired with rapid access to technical experts to help rapidly resolve any problem. You also benefit from the specially aligned, collaborative reactive processes between HPE and SAP.
 - **HPE Proactive Care Advanced**—Incorporates and builds on HPE Proactive Care to provide additional benefits such as an assigned account support manager. The service is designed to give you a personalized, high-touch support experience that keeps your HPE ConvergedSystem for SAP HANA fully available and running at peak performance.
 - **HPE SAP HANA Remote Support Services**—Complement HPE Proactive Care to provide end-to-end SAP HANA appliance management—assuming full operational responsibility for the appliance, Linux OS, SAP HANA software, and database.

Minimize risk with a committed SAP partner

HPE remains committed to industry-standard x86 computing and a long-term SAP HANA roadmap.

- Buy with confidence from HPE—providing the architecture, expertise, and roadmap to meet your SAP HANA needs today and in the future.
- Leverage expertise built over 25 years of SAP partnership, 46 percent SAP licenses, and more than 2,400 SAP HANA installations worldwide.

Learn more at
hpe.com/info/sap/hana

Our solution partner



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