

HPE Mission Critical HANA Server Solution as a Service

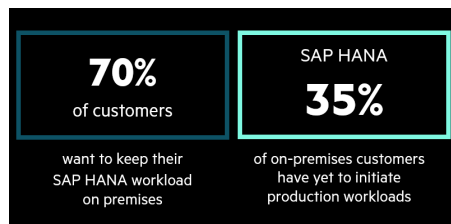
Organisations are set to spend over \$1 trillion in digital transformation.¹ Accelerate your digital transformation with a solution that delivers flexible, scalable, and reliable compute that you can consume as-a-service with on-premises control. HPE Superdome Flex 280 is designed for small to medium enterprise environments and can handle SAP HANA Server user demand while delivering real-time analytics, comb through massive IoT and AI datasets at the edge or in the core.

TODAY'S CHALLENGES

It is estimated that 53% of SAP implementations are outside the public cloud.²

The challenges associated with keeping SAP environments on premises include latency issues, application entanglement, data size & gravity, IP protection and egress charges. However, when moving to the cloud, customer requirements need to be kept in mind to ensure that any implementation is successful. These include performance, resiliency, optimal use of compute resources, an expert-led implementation/migration and the ability to leverage the cloud opportunistically.

According to Gartner³

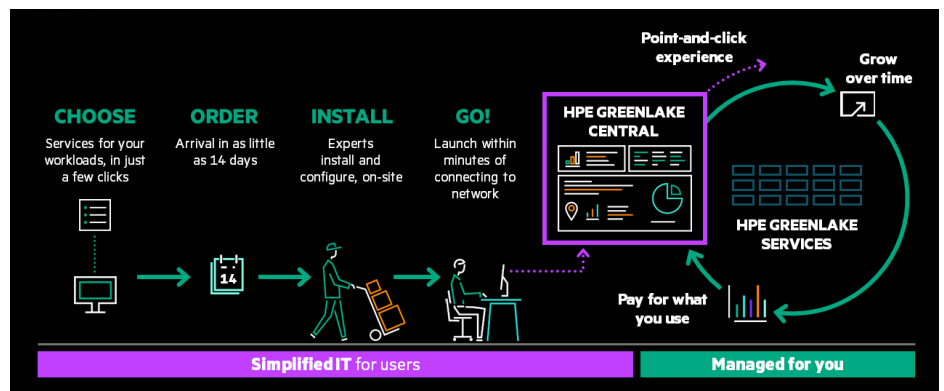


SAP has sold a lot of on premises licenses to their customers. Only 35% of the licenses sold have been used for their production workload. This means that 65% of the HANA customers most likely need SAP HANA TDI certified hardware to run their workload and Gartner states that over 70% of customers want to key their HANA workloads on premises.

By 2027 SAP will end main line support. This means that the current customers running SAP MUST transition to SAP HANA, and will need new hardware, so the hardware will be required to be SAP HANA TDI certified.

HOW CAN WE HELP?

HPE combines the power of Superdome Flex 280 with our GreenLake as-a-service offering to give you the best of both worlds. We give you a cloud-like experience with the choice to have a hybrid solution (on-premises, in the cloud, or at the edge).



BENEFITS

	Business Benefits	Financial Benefits
Efficiency	IT Teams focused on innovation Ease-of-use reduces distractions Routine tasks automated Install, maintenance, support by HPE	Even lower OPEX High-density IT reduces power, cooling, space, licensing costs Automation enables IT teams to do more IT management by HPE improves cost efficiency
Speed	IT as fast as business Infrastructure provisioned for new projects in hours Capacity scaled on demand	Accelerated value Composability & consolidation improves utilisation Only pay for what you use
Economics	Value beyond public cloud Cash flow protected Predictable costs	Even lower CAPEX Single platform for all workloads reduces hardware requirements No over-provisioning
Control	Meet business and compliance obligations Control security, deployment, operations, where data resides	Lower infrastructure management cost Automate tasks Integrate all management in HPE OneView

¹ IDC Worldwide Digital Transformation Spending Guide, May 2020 update

² ASUG Pulse of the SAP Customer 2021

³ Gartner, How to Select Your Optimal SAP HANA Systems Vendor, Philip Dawson, Donald Feinberg, Tony Harvey, 20 June 2019.

Brochure: [Accelerate your manufacturing Transformation with HPE & SAP](#)

Solution Brief: [SAP S/4HANA Cloud, Private Edition, Customer Data Centre Option](#)

Performance Brief: [HPE Superdome Flex 280 holds 4Processor Performance World Records](#)

Performance Brief: [HPE Superdome Flex 280 is 8Processor Leader on SAP BW Benchmark](#)

HPE Superdome Flex 280 solution

Solve your SAP HANA challenges by scaling up your environment and speed up your digital transformation with an optimised, reliable infrastructure solution.

ABOUT

HPE Superdome Flex is a breakthrough server for diverse, data-intensive, and converging workloads, with a modular, building-block architecture for cost-efficient growth.

The family has expanded to include the HPE Superdome Flex 280, a new as-a-service building block for digital transformation.

The HPE Superdome Flex server model scales seamlessly from 4 to 32 sockets in 4-socket increments in a single system, and delivers from 768 GB to 48 TB shared memory. It features the 1st and 2nd generation Intel® Xeon® Scalable processors in both Gold and Platinum variants.

HPE Superdome Flex 280 server is a new model in the HPE Superdome Flex family. It starts at two sockets and scales up to eight sockets, as a single system in 2-socket increments. The server utilises a modular, scale-up 5U building block/chassis with two or four 3rd generation Intel Xeon Scalable processors (code name Cooper Lake) in a glue-less architecture. Superdome Flex 280 is designed to deliver 64 GB to 24 TB of shared memory using DRAM or combining DRAM with persistent memory.

Both models in the Superdome Flex family share the modular architecture design, as well as the management and security frameworks. In addition, they offer a unique set of reliability, availability and serviceability (RAS) capabilities not present in other standard x86 servers, to deliver the highest levels of availability for critical workloads. The family of servers can handle SAP HANA, Oracle, SQL Server, and Epic user demand while delivering real-time analytics. Customers can comb through massive IoT and AI datasets at the edge or in the core and they can also tackle complex problems holistically as a standalone HPC workhorse or within petascale clusters – and now with the Superdome Flex 280 we can address smaller environments and with more granular scale.

HPE'S SUPERDOME FLEX FOR SAP HANA ENVIRONMENTS

SAP HANA is unlike other databases. You will need new servers built for in-memory computing and certified by SAP®, and often it also requires new storage. It is a new type of in-memory database and development platform which is designed to harness data in today's age of digital transformation. HANA enables you to accelerate analytics dramatically. And by removing the gap between when data is captured for analysis and what's happening now, you can gain real-time insight. You can also eliminate data silos and reduce IT complexity, and your users will enjoy an experience reflective of today's mobile environment. SAP has also developed new, next-generation ERP software (called S/4HANA) and Business Warehouse software (called BW/4HANA®) that require the underlying SAP HANA database.

Additionally, there will be an end of support for third-party databases in 2027 for standard maintenance (necessary fixes available to all) and 2030 for extended maintenance (customer-specific fixes).

HPE can accommodate a variety of customer requirements and provide an optimal SAP HANA infrastructure. We can assist you to run HANA on-premises, leverage the cloud, or implement a hybrid model.

OFFERING

HPE's Superdome Flex 280 solution includes:

Processor INTEL 8380H 2.9 GHz 28 Core CPUs
Local disk 6.4TB SSD
2 x Dual Port 16GB HBA
4 x Dual Port 10/25GB NIC
Includes SUSE Enterprise Linux 3 Year 24x7

KEY RAS ADVANTAGES

RAS Feature

Firmware-first
Automatic error logging
Auto self-healing (Analysis Engine)
Disabling / deconfiguration of failed FRUs
Onboard fault analyser
Automatic restart after deconfig and self-healing
Advanced processor error handling (eMCA Gen2)
Advanced memory resiliency (HPE Fast Fault Tolerance)
Advanced PCIe error recovery (LER)

WHY YOU WILL LOVE US

Get the simplicity, agility, and economics of public cloud with the security and performance benefits of on-premises IT, including:

- Infrastructure capacity that never runs out.
- Scalable—add capacity in minutes from a buffer on-site.
- Metered usage billed monthly as a service.
- No upfront payment requirements.
- Your choice of technology; determine your own “right mix” of Hybrid Cloud and workload placement without having to choose.
- Enterprise-quality support.

from

\$5,289

per month*

Make the right purchase decision
Contact our presales specialists.

Chat



Email



Call



HPE support



Get updates

**Hewlett Packard
Enterprise**

TDI Options

SMALL	MEDIUM	LARGE
2 Socket – 65 Cores 2TB RAM, 24.5TB SSD	4 Socket – 130 Cores 4TB RAM, 32TB SSD	6 Socket – 195 Cores 6TB RAM, 51TB SSD
AU\$5,289 / MONTH*	AU\$7,876 / MONTH*	AU\$12,656 / MONTH*

* Pricing as at July 2021 – Subject to change, not inclusive of Options

Optional

OS (RHEL/SUSE)
StoreOnce & Veeam for fast backup
Service Guard Linux for SAP HANA Clustering
Centre of Excellence Support
Annual OS upgrades/patching

LEARN MORE AT
hpe.com

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