



Key takeaways for SAP BW edition for SAP HANA standard application benchmark Version 2 with 10.4 billion initial records:

- World record single-DB-node with 10.4 billion initial records, on an 8-processor system, across all three phases of the benchmark
- First and only result on the Version 2 benchmark with the Meltdown and Spectre security patches, variants #1 and #2
- First result with Intel Xeon Scalable Processors
- First single-DB-node result

As of date for all benchmarks: April 19, 2018.

For more information:

See sap.com/benchmarks for further details.

HPE Server performance information is available at hpe.com/servers/benchmarks.

¹ sap.com/dmc/exp/2014-09-02-hana-hardware/enEN/appliances.html#categories=certified%2CIntel%20Skylake%20SP

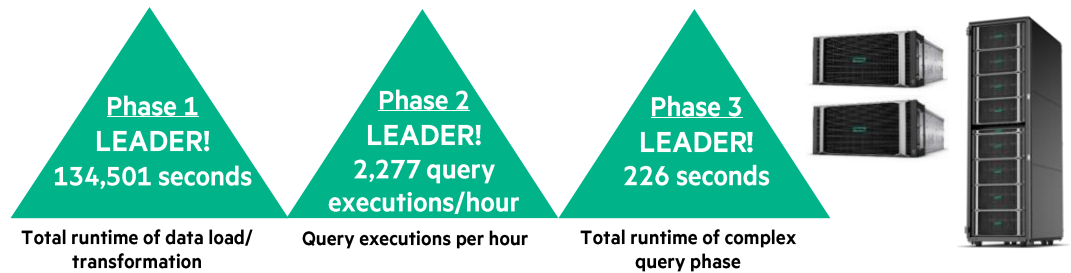
HPE Superdome Flex Server Wins Records on SAP® BW Edition for SAP HANA® Standard Application Benchmark Version 2

World record single-DB-node with 10.4 billion initial records, on an 8-processor system!

Executive summary

The HPE Superdome Flex Server achieved the top single-DB-node results with 10.4 billion initial records, on an 8-processor system, for all phases of the SAP® BW Edition for SAP HANA® standard application benchmark Version 2. The server was configured with eight Intel® Xeon® Scalable Processors.

Figure 1. HPE Superdome Flex results at 10.4 billion initial records on the SAP BW edition for SAP HANA standard application benchmark Version 2.



HPE Superdome Flex Server delivers unparalleled customer value

HPE Superdome Flex Server is a highly scalable and modular in-memory computing platform powerful enough to handle massive amounts of data for the enterprise. The platform scales easily and economically with four-socket building blocks from 4 to 32 processors and 768 GB to 48 TB of shared memory in a single system. HPE Superdome Flex is the most scalable certified configuration for SAP HANA use cases, with up to 16 sockets and 12 TB of memory per server, based on the Intel Xeon processor Scalable family.¹

With forthcoming support for unique HPE nPars technology that provides electronically isolated partitions, customers will be able to consolidate heterogeneous SAP HANA landscapes for easier manageability, increased flexibility, and uptime. The HPE Superdome Flex is a compute breakthrough ideal to power critical applications and databases, enable real-time analytics, and tackle data-intensive high performance computing (HPC) workloads. HPE has the expertise, innovation, solution capability, portfolio breadth, partnerships, and go-to-market reach to fully address the customer challenges in the mission-critical space.

Table 1. Configuration for HPE Superdome Flex results on SAP Business Warehouse edition for SAP HANA at 10.4 billion initial records. Certification #2018012.

Phase results and configuration information	HPE Superdome Flex
Benchmark Phase 1: Total runtime of data load/transformation (seconds)	134,501
Benchmark Phase 2: Query executions per hour	2,277
Benchmark Phase 3: Total runtime of complex query phase (seconds)	226
Intel Xeon Platinum 8180 Processor and memory	8 processors / 224 cores / 448 threads, 2.50 GHz; 6 TB main memory
Operating system	SUSE Linux Enterprise Server 12 SP 2
Database	SAP HANA 1.0 SPS 12 Revision 13
Technology platform release	SAP NetWeaver® 7.50 SP04
Test location and date	Palo Alto, CA, USA; April 8, 2018

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