



What's in Your Analytics Briefcase?

Get more value from your data with Intel® Optane™ DC persistent memory and SAP HANA® 2.3 extension nodes!¹



Prior SAP HANA releases:

- 1 Support 1.5 TB of memory per processor, or 12 TB in an eight-socket system
- 2 DDR4 DIMMs are limited in capacity: 128 GB per module max
 - Limited in how much data you can expose to the SAP HANA platform

SAP HANA 2.3 supports:

- 1 Up to 3 TB of memory per processor, or a maximum of 24 TB in an eight-socket system
- 2 Intel® Optane™ DC persistent memory modules (PMMs), which provide higher memory density than DRAM
 - More data in the hot tier
 - 128 GB, 256 GB, or 512 GB memory capacity
- 3 SAP HANA extension nodes: a scale-out capability to process more data at a lower cost

SAP HANA 2.3 on next-generation Intel® Xeon® Platinum processors with Intel Optane DC persistent memory

Scale at a lower cost with SAP HANA by storing more data in-memory in hot and warm data (extension node) tiers.

YOU GET:

- All of the rich capabilities of the SAP HANA platform at a lower cost
- Simplified landscape for lower total cost of ownership (TCO)
- Improved business continuity with 12.5x faster SAP HANA restart times²
- More of your data in-memory for new advanced analytics use cases
- Ability to deliver real-time data-driven insights

Upgrade your analytics environment and get immediate business value. Learn more at intel.com/sap and sap.com/persistent-memory.

¹ SAP HANA 2.3 is also known as SAP HANA 2.0 SPS 03.

² SAP HANA® simulated workload for SAP® BW edition for SAP HANA Standard Application Benchmark version 2 as of May 30, 2018. SAP and Intel engineers performed the testing. Baseline configuration with traditional DRAM: Lenovo ThinkSystem SR950* server with 8 x Intel® Xeon® Platinum 8176 processors (28 cores, 165 watt, 2.1 GHz). Total memory consists of 48 x 16 GB TruDDR4* 2,666 MHz RDIMMs, and 5 x ThinkSystem 2.5" PM 1633a 3.84 capacity SAS 12 GB hot-swap solid-state drives for SAP HANA storage. The operating system is SUSE* Linux* Enterprise Server 12 SP3 and uses SAP HANA 2.0 SPS 03 with a 6 TB dataset. Start time: 50 minutes. New configuration with a combination of DRAM and Intel® Optane™ DC persistent memory: Lenovo ThinkSystem SR950 server with 8 x Intel Xeon Platinum 8176M processors (28 cores, 165 watt, 2.1 GHz). Total memory consists of 48 x 16 GB TruDDR4 2,666 MHz RDIMMs and 48 x 128 GB Intel Optane DC persistent memory modules (PMMs), and 5 x ThinkSystem 2.5" PM1633a 3.84 TB capacity SAS 12 GB hot-swap SSDs for SAP HANA storage. The operating system is SUSE Linux Enterprise Server 12 SP3 and uses SAP HANA 2.0 SPS 03 with a 6 TB dataset. Start time: 4 minutes

Performance results are based on testing as of May 30, 2018, and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

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