# Certification
## SAP® Standard Application Benchmarks

The SAP BW edition for SAP HANA Standard Application Benchmark Version 3 performed on October 30, 2020, by HPE in Walldorf, Germany, with a total of 20,800,000,000 initial records, was certified by SAP on behalf of the SAP Benchmark Council on November 9, 2020, with the following data:

Benchmark Phase 1
Number of initial records:     20,800,000,000
Runtime of last Data Set (seconds):     15,161

Benchmark Phase 2
Query Executions per Hour:     4,569
CPU utilization of database server:     96%

Benchmark Phase 3
Total Runtime of complex query phase (seconds):     131

Operating Systems:     SUSE Linux Enterprise Server 15
Database:     SAP HANA 2.0
Technology platform release:     SAP NetWeaver 7.50

Configuration:

| No. of Servers | Usage | Hardware |
|---|---|---|
| 1 | Database | HPE Superdome Flex 280, 8 processors / 224 cores / 448 threads, Intel Xeon Platinum 8380HL processor, 2.90 GHz, 64 KB L1 cache and 1,024 KB L2 cache per core, 38.5 MB L3 cache per processor, 12,288 GB DRAM |

Certification number: 2020045

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