

PRIMERGY RX2540 M8

SAP Quote-to-Cash (Q2C)

Standard Application

Benchmark

On October 14, 2025, the brand-new PRIMERGY RX2540 M8 sets a new world record on the SAP Quote-to-Cash (Q2C) Standard Application Benchmark with 20 million initial documents, achieving 28380 benchmark users (as of 2025-10-14).

The PRIMERGY RX2540 M8 was equipped with two Intel Xeon 6787P processors from the newest Intel Xeon Scalable Processor Generation aka Granite Rapids-SP and 1536 GB of DRAM, running the SAP Q2C Standard Application Benchmark with 20 million initial documents on SAP S/4HANA 2021, SAP HANA 2.0 and SUSE Linux Enterprise Server 15.

In addition, the system has achieved an exceptional result of 28350 Q2C benchmark users with twice the data volume of 40 million initial documents, outperforming IEIT SYSTEMS, Dell and Lenovo, who also used 2x 6787P and 40 million documents. The RX2540 M8 was configured with 2048 GB of DRAM for the 40 million documents.

Find a detailed comparison of the benchmark results in the following.

SAP SAP Q2C Standard Application Benchmark

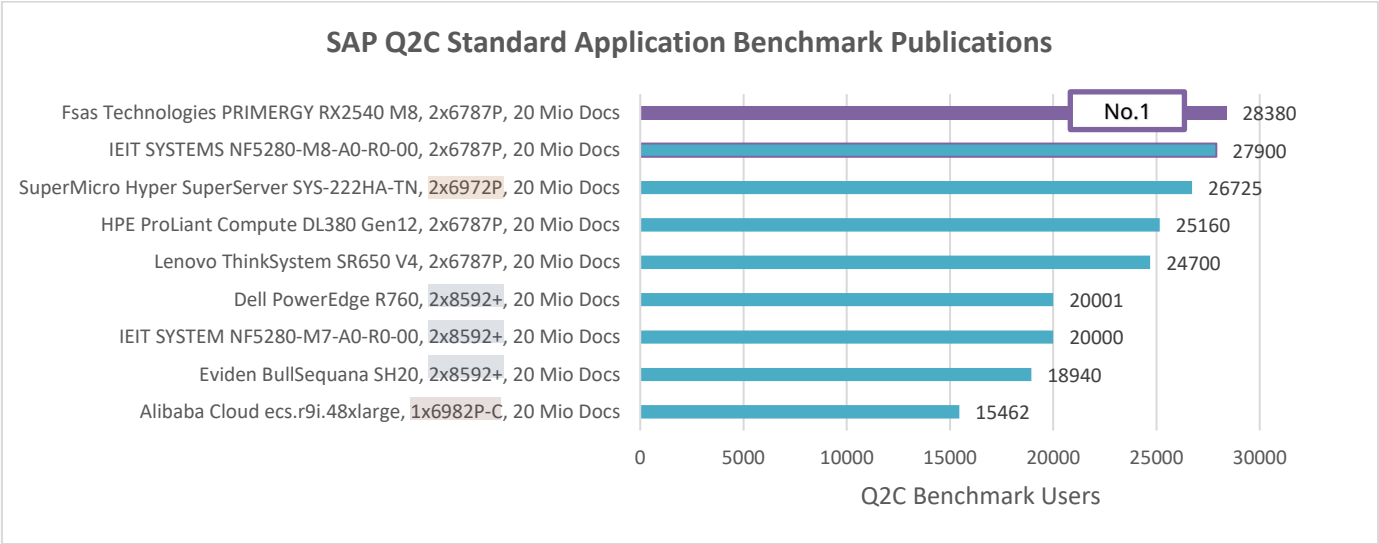
The SAP Quote-to-Cash (Q2C) Standard Application Benchmark was introduced early 2025 as the latest addition to SAP's portfolio of performance benchmarks. Build upon SAP S/4HANA 2021 and exclusively leveraging SAP HANA, Q2C represents a shift to more advanced and representative business process simulations, going beyond the classic Sales and Distribution (SD) benchmark. The Q2C benchmark incorporates both a transactional order-to-cash scenario and an analytical reporting component, reflecting the increasing complexity of real-world SAP workloads.

The benchmark uses the concept of scaling data volumes in units to simulate realistic, large-scale business environments. A unit is a set of business-related transactional data and contains 10 million initial documents (completely processed sales orders). The required number of data units is depending on the physical main memory (DRAM) of the system under test. Results with different number of initial documents cannot not be compared with each other.

The Q2C Standard Application Benchmark is the successor of the SD Standard Application Benchmark.

Publications with 20 Millon Initial Documents

As of 2025-10-14

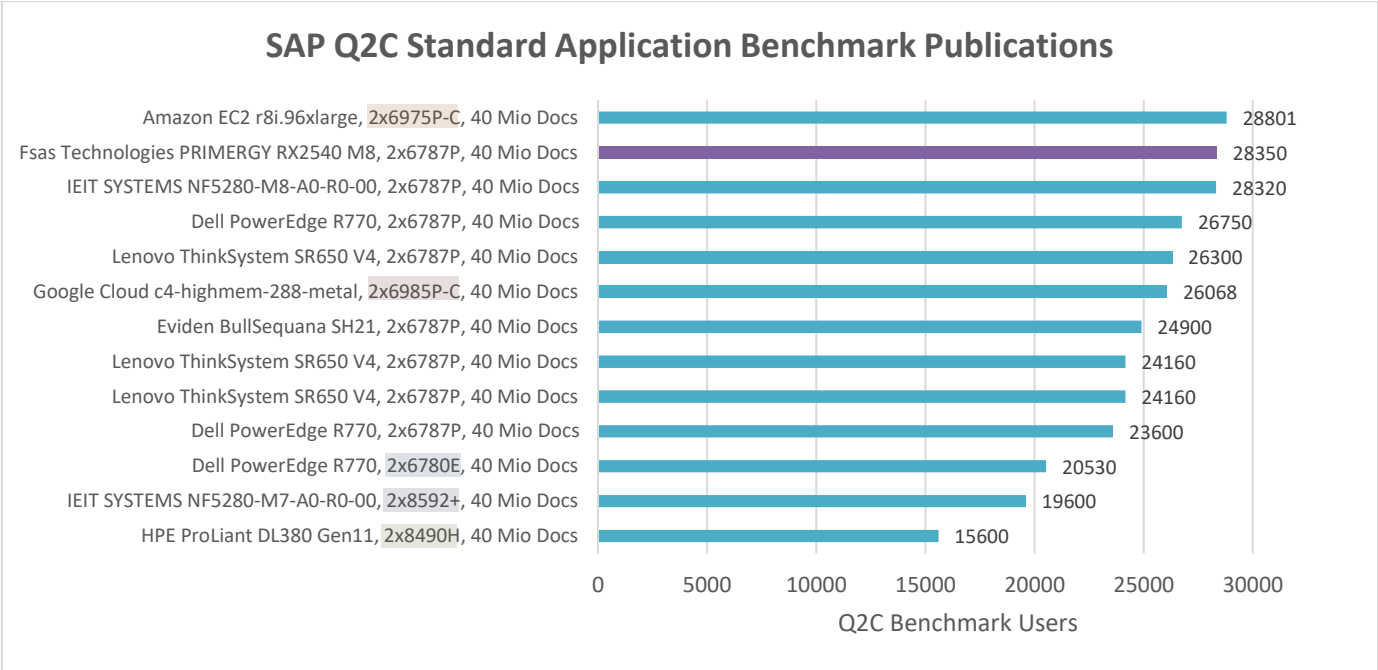


Processor SKUs other than Intel Xeon 6787P are color-coded.

PRIMERGY RX2540 M8 achieves a new world record result on the SAP Quote-to-Cash (Q2C) Standard Application Benchmark with 20 million initial documents.

Publications with 40 Millon Initial Documents on 2 Processor Configurations

As of 2025-10-14



Processor SKUs other than Intel Xeon 6787P are color-coded.

The RX2540 M8 achieves 28350 benchmark users with 40 million documents and outperforms IEIT SYSTEMS, Dell and Lenovo, who also used 2x 6787P and 40 million documents.

Result Details for Publications with 20 Million Initial Documents

- Certification 2025062: Fsas Technologies PRIMERGY RX2540 M8, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 1536 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 28380 benchmark users, 136800 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25062.pdf>
- Certification 2025046: IEIT SYSTEMS NF5280-M8-A0-R0-00, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 1024 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 27900 benchmark users, 136100 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25046.pdf>
- Certification 2025011: SuperMicro Hyper SuperServer SYS-222HA-TN, 2 processors / 192 cores / 384 threads Intel Xeon 6972P processor, 1536 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 26725 benchmark users, 131700 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25011.pdf>
- Certification 2025021: HPE ProLiant Compute DL380 Gen12, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 1024 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 25160 benchmark users, 126600 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25021.pdf>

- Certification 2025012: Lenovo ThinkSystem SR650 V4, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 1024 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 24700 benchmark users, 121400 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25012.pdf>
- Certification 2025042: Dell PowerEdge R760, 2 processors / 128 cores / 256 threads Intel Xeon Platinum 8592+ processor, 1536 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 20001 benchmark users, 96300 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25042.pdf>
- Certification 2025009: IEIT SYSTEM NF5280-M7-A0-R0-00, 2 processors / 128 cores / 256 threads Intel Xeon Platinum 8592+ processor, 1024 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 20000 benchmark users, 99300 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25009.pdf>
- Certification 2025003: Eviden BullSequana SH20, 2 processors / 128 cores / 256 threads Intel Xeon Platinum 8592+ processor, 1024 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 18940 benchmark users, 94400 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25003.pdf>
- Certification 2025060: Alibaba Cloud ecs.r9i.48xlarge, 1 processors / 96 cores / 192 threads Intel Xeon 6982P-C processor, 1536 GB DRAM, 20 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Cloud, Virtualized environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15 on KVM, 15462 benchmark users, 74500 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25060.pdf>

Result Details for Publications with 40 Million Initial Documents on 2 Processors

- Certification 2025048: Amazon EC2 r8i.96xlarge, 2 processors / 192 cores / 384 threads Intel Xeon 6975P-C processor, 3072 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Cloud environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15 on AWS Nitro, 28801 benchmark users, 142100 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25048.pdf>
- Certification 2025063: Fsas Technologies PRIMERGY RX2540 M8, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 28350 benchmark users, 136900 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25063.pdf>
- Certification 2025049: IEIT SYSTEMS NF5280-M8-A0-R0-00, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 28320 benchmark users, 136800 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25049.pdf>
- Certification 2025024: Dell PowerEdge R770, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 26750 benchmark users, 129100 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25024.pdf>
- Certification 2025050: Lenovo ThinkSystem SR650 V4, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 26300 benchmark users, 126600 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25050.pdf>
- Certification 2025029: Google Cloud Platform c4-highmem-288-metal, 2 processors / 144 cores / 288 threads Intel Xeon 6985P-C processor, 2304 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal, Cloud environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 26068 benchmark users, 132600 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25029.pdf>
- Certification 2025015: Eviden BullSequana SH21, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 24900 benchmark users, 120400 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25015.pdf>

- Certification 2025019: Lenovo ThinkSystem SR650 V4, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 24160 benchmark users, 121000 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25019.pdf>
- Certification 2025013: Lenovo ThinkSystem SR650 V4, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 24160 benchmark users, 120300 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25013.pdf>
- Certification 2025005: Dell PowerEdge R770, 2 processors / 172 cores / 344 threads Intel Xeon 6787P processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 23600 benchmark users, 113900 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25005.pdf>
- Certification 2025031: Dell PowerEdge R770, 2 processors / 288 cores / 288 threads Intel Xeon 6780E processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 20530 benchmark users, 98900 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25031.pdf>
- Certification 2025006: IEIT SYSTEMS NF5280-M7-A0-R0-00, 2 processors / 128 cores / 256 threads Intel Xeon Platinum 8592+ processor, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 19600 benchmark users, 95200 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25006.pdf>
- Certification 2025022: HPE ProLiant DL380 Gen11, 2 processors / 120 cores / 240 threads Intel Xeon Platinum 8490H, 2048 GB DRAM, 40 Million Initial Documents, SAP quote-to-cash (Q2C) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP S/4HANA 2021, SAP HANA 2.0, SUSE Linux Enterprise Server 15, 15600 benchmark users, 75300 aSAPS. <https://www.sap.com/dmc/benchmark/2025/Cert25022.pdf>

References

SAP

- [SAP Standard Application Benchmarks](#)
- [SAP Q2C benchmark results](#)

Fujitsu

- [SAP Standard Application Benchmarks](#)

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