PRIMERGY RX2540 M7 Delivers Remarkable SAP SD Benchmark Result on Linux

On September 14, 2023, the PRIMERGY RX2540 M7 achieves a top result of 75,600 SD benchmark users with the two-tier SAP Sales and Distribution (SD) Standard Application Benchmark on SUSE Linux Enterprise Server 15.
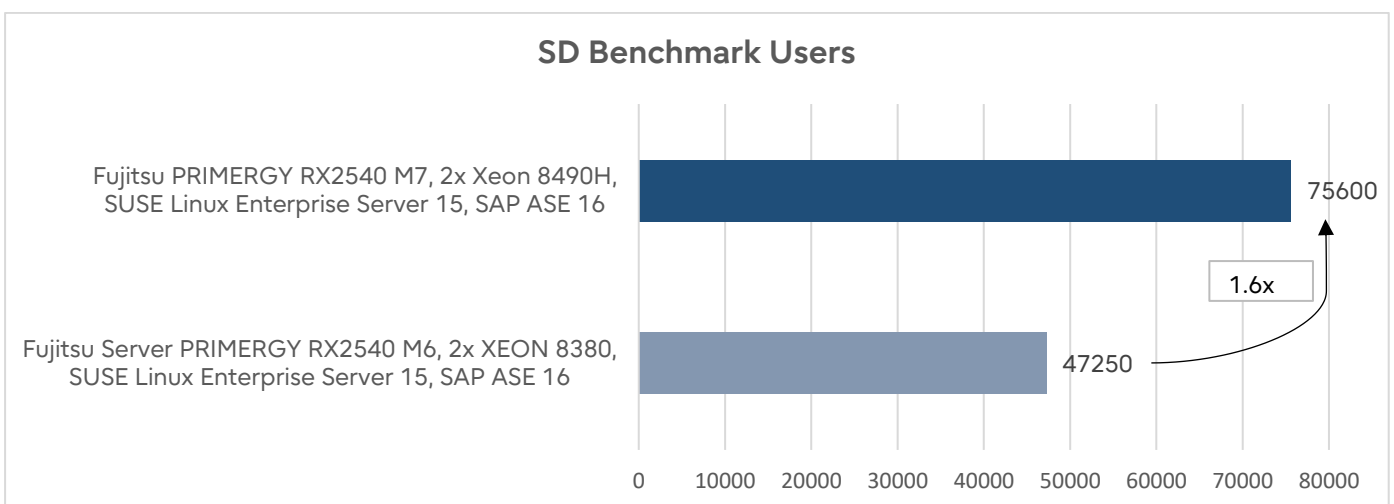
The system was equipped with Intel's Xeon Platinum 8490H processor (2 processors, 120 cores, 240 threads) and 2,048 GB of DRAM, running the two-tier SAP Sales and Distribution (SD) Standard Application Benchmark on SAP enhancement package 5 for SAP ERP 6.0, SAP ASE 16 and SUSE Linux Enterprise Server 15.

The result is factor 1.6 higher compared to the previous 3rd Generation Xeon Scalable Family based RX2540 M6 with Intel Xeon Platinum 8380 processor.

Compared to the SAP SD benchmark with Windows Server 2019 on the same RX2540 M7 system earlier this year, the result is significantly better with a plus of more than 10,000 SD benchmark users.
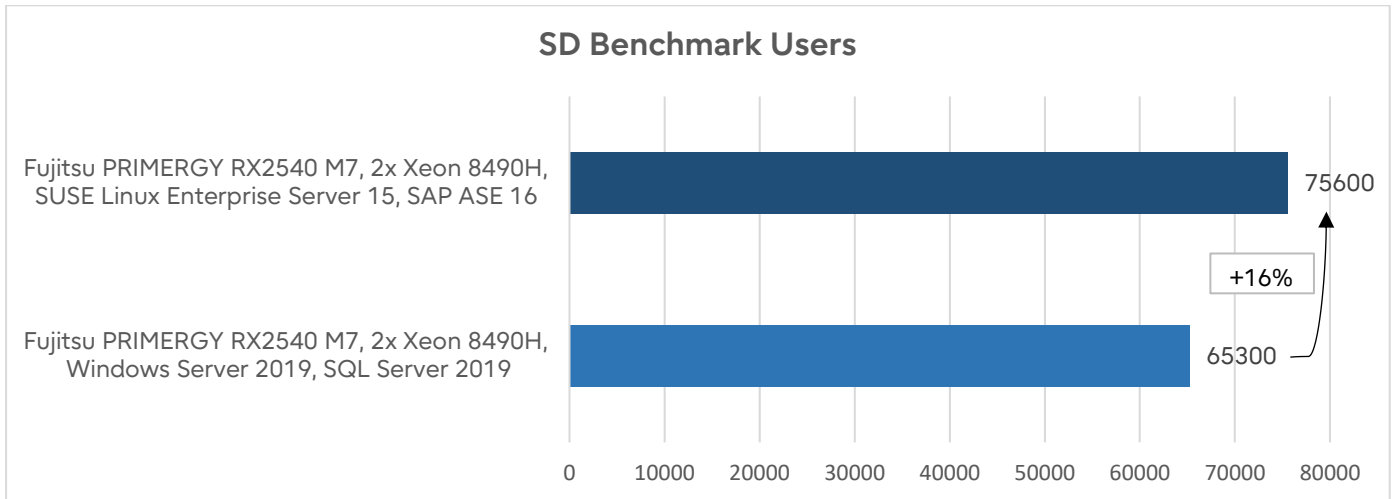
Find the comparisons including the benchmark details in the following.

SAP Sales and Distribution (SD) Standard Application Benchmark Result Comparison PRIMERGY RX2540 M7 vs RX2540 M6

The 4th Generation Xeon Scalable Family (aka Sapphire Rapids) based RX2540 M7 with Intel Xeon Platinum 8490H delivers an improvement of 1.6x compared to the previous 3rd Generation Xeon Scalable Family (aka Ice Lake) based RX2540 M6 with Intel Xeon Platinum 8380 processor.

Result Comparison PRIMERGY RX2540 M7, Windows vs Linux

SD Benchmark Users

Fujitsu PRIMERGY RX2540 M7, 2x Xeon 8490H, SUSE Linux Enterprise Server 15, SAP ASE 16: **75600**

+16%

Fujitsu PRIMERGY RX2540 M7, 2x Xeon 8490H, Windows Server 2019, SQL Server 2019: **65300**

(axis: 0, 10000, 20000, 30000, 40000, 50000, 60000, 70000, 80000)

On the SUSE Linux Enterprise Server 15 platform, the PRIMERGY RX2540 M7 was able to achieve 10,300 SD benchmark users more compared to Windows Server 2019, which corresponds to a plus of 16%.

SAP Sales and Distribution (SD) Standard Application Benchmark
Result Details

- Certification 2023041: Fujitsu PRIMERGY RX2540 M7, 2 processors / 120 cores / 240 threads Intel Xeon Platinum 8490H processor, 2048 GB DRAM, SAP Sales and Distribution (SD) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP enhancement package 5 for SAP ERP 6.0, SAP ASE 16, SUSE Linux Enterprise Server 15, 75,600 SD benchmark users.

- Certification 2023015: Fujitsu Server PRIMERGY RX2540 M7, 2 processors / 120 cores / 240 threads Intel Xeon Platinum 8490H processor, 1024 GB DRAM, SAP Sales and Distribution (SD) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP enhancement package 5 for SAP ERP 6.0, Microsoft SQL Server 2019, Windows Server 2019, 65,300 SD benchmark users.

- Certification 2022009: Fujitsu Server PRIMERGY RX2540 M6, 2 processors / 80 cores / 160 threads Intel Xeon Platinum 8380 processor, 1024 GB DRAM, SAP Sales and Distribution (SD) Standard Application Benchmark, 2-tier configuration, Bare-Metal environment, SAP enhancement package 5 for SAP ERP 6.0, SAP ASE 16, SUSE Linux Enterprise Server 15, 47,250 SD benchmark users.

References

SAP
- [SAP Standard Application Benchmarks](#)
- [SAP Sales and Distribution (SD) benchmark results](#)
- [Certified Hardware for SAP Solutions on Microsoft Windows](#)

Fujitsu
- [SAP Standard Application Benchmarks](#)
- [Overview of released Fujitsu Servers for SAP on Linux](#)