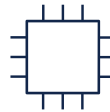**AMD**

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Top SAP Performance from Cisco UCS Servers and AMD EPYC Processors

Top performance

Consistent CPU features

Simplified management

Gain top SAP performance for Microsoft SQL Server powering your SAP landscape, with Cisco UCS® servers and AMD EPYC™ processors.

The combination of Cisco UCS® servers powered by AMD EPYC processors is so powerful that Cisco has captured the number-one spot for SAP performance running Microsoft SQL Server on 2-socket servers. Now your organization can gain the best performance available by choosing Cisco UCS.

The Cisco UCS C245 M6 Rack Server with two AMD EPYC 7763 processors performed better than any other 2-socket server running Microsoft Windows Server 2019 and SQL Server 2017 on the SAP Sales and Distribution (SD) Standard Application Benchmark.[1]

Highlights

· Gain top performance for SAP with Microsoft SQL Server

· Benefit from the same CPU features regardless of the number of cores you need

· Simplify management with the Cisco Intersight® cloud-operations platform

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Learn more

For more information on

- SAPS performance

- SAP and Cisco Solutions

Footnotes

1. The SAP Sales and Distribution result of 65,000 benchmark users and 358,600 SAPs was certified by SAP on September 21, 2022 and was the top result for 2-socket servers running Microsoft SQL Server on that date. The Cisco UCS C245 M6 server was equipped with two AMD EPYC 7763 CPUs each with 64 cores running at 2.45 GHz. The processors have 64 KB L1 cache per core plus 256 MB shared L3 cache per processor. The server was configured with 2 TB of main memory. The benchmark used Microsoft Windows Server 2019 with Microsoft SQL Server 2017. The tests used SAP Enhancement Package 5 for SAP Enterprise Resource Planning (ERP) 6.0. SAP Certification 2022022 is available to download as well.
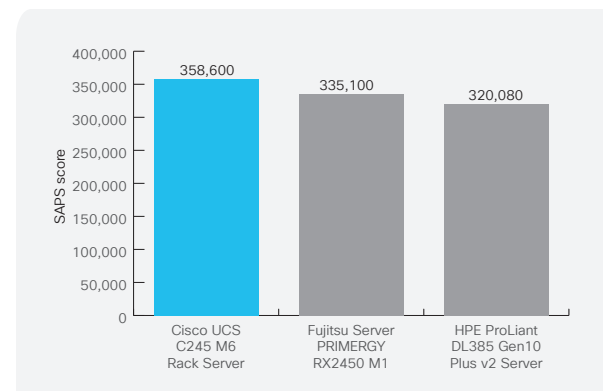
Cisco UCS servers drive SAP performance

Equipped with 64-core AMD EPYC 7763 processors, Cisco servers deliver more SAP performance than all other 2-socket servers when running Microsoft SQL Server. We compared against the prior top-two results that use the same processor and memory configurations (Figure 1). The Cisco advantage is our architecture and close working relationships with AMD and Microsoft.

These record-setting benchmarks, not only for SAP Sales and Distribution, but also on industry-standard benchmarks, are a matter of excellent engineering. With power and cooling designed to support the fastest x86-architecture CPUs anywhere, you gain the best that 3rd Gen AMD EPYC processors have to deliver. Firmware

Figure 1. Cisco UCS C245 M6 performance compared with the two nearest scores using the same AMD processor, the same number of sockets, same number of cores, same operating system, and Microsoft SQL Server version.

settings that control boost frequencies can be set as a matter of policy through the Cisco Intersight cloud-operations platform.

Cisco UCS C245 M6 Rack Server

This high-performing server used in the SAP Application Performance Standard (SAPS) measurements, the 2RU Cisco UCS C245 M6, is well suited to power your large SQL and Oracle databases and SAP applications. The server features:

- Up to two 3rd Gen AMD EPYC processors with up to 64 cores per socket

- 32 DIMM slots for up to 8 TB of memory

- Up to 24 front-facing small-form-factor (SFF) SAS or SATA drives, including up to 4 NVMe drives

- 4 optional rear-facing NVMe drives

- Up to 8 PCIe 4.0 slots

- Support for 1400 series Cisco virtual interface cards and Open Compute Platform (OCP) 3.0 network cards

- RAID controller and GPU options

- Internal dual M.2 drive options

New levels of power

Supercharge your SAP and SQL Server environment with Cisco UCS C225 M6 and C245 M6 Rack Servers with AMD EPYC processors. Gain the highest SAPS score available from a 2-socket server running Microsoft SQL Server 2017 and easily manage the entire infrastructure with Cisco Intersight.