EPYC パフォーマンスに関する脚注

SP5-013D: SPECrate®2017_int_base comparison based on published scores from www.spec.org as of 05/31/2023. Comparison of published 2P AMD EPYC 9654 (1800 SPECrate®2017_int_base, 720 Total TDP W, $23,610 total 1Ku, 192 Total Cores, 2.500 Perf/W, 0.076 Perf/CPU$, http://spec.org/cpu2017/results/res2023q2/cpu2017-20230424-36017.html) is 1.80x the performance of published 2P Intel Xeon Platinum 8490H (1000 SPECrate®2017_int_base, 700 Total TDP W, $34,000 total 1Ku, 120 Total Cores, 1.429 Perf/W, 0.029 Perf/CPU$, http://spec.org/cpu2017/results/res2023q1/cpu2017-20230310-34562.html) [at 1.75x the performance/W] [at 2.59x the performance/CPU$]. Published 2P AMD EPYC 7763 (861 SPECrate®2017_int_base, 560 Total TDP W, $15,780 total 1Ku, 128 Total Cores, 1.538 Perf/W, 0.055 Perf/CPU$, http://spec.org/cpu2017/results/res2021q4/cpu2017-20211121-30148.html) is shown for reference at 0.86x the performance [at 1.08x the performance/W] [at 1.86x the performance/CPU$]. AMD 1Ku pricing and Intel ARK.intel.com specifications and pricing as of 6/13/23. SPEC®, SPEC CPU®, and SPECrate® are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information.

• SP5-049C: VMmark® 3.1.1 matched pair comparison based on published results as of 6/13/2023. Configurations: 2-node, 2P 96-core EPYC 9654 powered server running VMware ESXi 8.0b (40.66 @ 42 tiles/798 VMs, https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2023-06-13-Lenovo-ThinkSystem-SR665V3.pdf) versus 2-node, 2P 60-core Xeon Platinum 8490H running VMware ESXi 8.0 GA (23.38 @ 23 tiles/437 VMs, https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2023-03-21-Fujitsu-PRIMERGY-RX2540M7.pdf) for 1.74x the score and 1.75x the tile (VM) capacity. 2-node, 2P EPYC 7763 powered server (23.33 @ 24 tiles/456 VMs, https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/vmmark/2022-02-08-Fujitsu-RX2450M1.pdf) shown at 0.98x performance for reference. VMmark is aregistered trademark of VMware in the US or other countries.

• SP5-056B: SAP® SD 2-tier comparison based on published results as of 6/13/2023. Configurations: 2P 96-core EPYC 9654 powered server (148,000 benchmark users, https://www.sap.com/dmc/benchmark/2022/Cert22029.pdf) versus 2P 60-core Xeon Platinum 8480+ (77,105 benchmark users, https://www.sap.com/dmc/benchmark/2023/Cert23021.pdf) for 1.92x the number of SAP SD benchmark users. 2P EPYC 7763 powered server (75,000 benchmark users, https://www.sap.com/dmc/benchmark/2021/Cert21021.pdf) shown at 0.98x the performance for reference. For more details see http://www.sap.com/benchmark. SAP and SAP logo are the trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and in several other countries.

• SP5-104A: SPECjbb® 2015-MultiJVM Critical based on published scores from www.spec.org as of 3/31/2023. Configurations: 2P AMD EPYC 9654 (664,375 SPECjbb®2015 MultiJVM max-jOPS, 622,315 SPECjbb®2015 MultiJVM critical-jOPS, 192 Total Cores, https://www.spec.org/jbb2015/results/res2022q4/jbb2015-20221019-00860.html) is 1.69x the critical-jOPS performance of published 2P Intel Xeon Platinum 8490H (458,295 SPECjbb®2015 MultiJVM max-jOPS, 368,979 SPECjbb®2015 MultiJVM critical-jOPS, 120 Total Cores, http://www.spec.org/jbb2015/results/res2023q1/jbb2015-20230119-01007.html). 2P AMD EPYC 7763 (339,338 SPECjbb®2015 MultiJVM max-jOPS, 313,824 SPECjbb®2015 MultiJVM critical-jOPS, 128 total cores, https://www.spec.org/jbb2015/results/res2021q3/jbb2015-20210701-00688.html) shown at 0.85x the performance and 2P Intel Xeon Platinum 8380 (269,094 SPECjbb®2015 MultiJVM max-jOPS, 213,195 SPECjbb®2015 MultiJVM critical-jOPS, 80 total cores, https://spec.org/jbb2015/results/res2021q3/jbb2015-20210810-00701.html) shown at 0.58x the performance for reference. SPEC® and SPECjbb® are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information.