HELP REDUCE CAPEX AND OPEX AND ADVANCE SUSTAINABILITY GOALS

AMD
together we advance_data centers

4th Gen AMD EPYC™ processors help enterprise data centers meet application performance demands with fewer physical servers than competitive solutions, which can lower CAPEX and OPEX and advance sustainability goals.

BASED ON A 2,000 VIRTUAL MACHINE SCENARIO

17 Intel® Xeon® 8490H servers

VS.

11 AMD EPYC™ 9654 servers

WITH 4TH GEN EPYC™ CPUS

UP TO **35%** fewer servers required

UP TO **29%** less energy consumed annually

UP TO **46%** CAPEX reduction

UP TO **21%** lower first year cost per VM

*Based on 2,000 VM scenario

REDUCING CARBON FOOTPRINT

35 CO_2e

In this scenario, the 4th Gen EPYC™ CPU solution helps save an estimated 35 US tons annually.

38

That's equivalent to 38 acres of U.S. forest carbon sequestration in one year!

AMD EPYC™ PROCESSORS

Exceptional energy-efficient performance

LEARN MORE

AMD EPYC

SP5TCO-036: As of 01/18/2023 based on AMD internal analysis using the AMD EPYC™ Server Virtualization & Greenhouse Gas Emission TCO Estimation Tool - version 12.10 estimating the cost and quantity of 2P AMD 96 core EPYC™ 9654 powered server versus 2P Intel® Xeon® 60 core Platinum 8490H based server solutions required to deliver 2000 total virtual machines (VM), requiring 1 core and 8GB of memory per VM for a 3-year period. This includes VMware software license cost of $6,558.32 per socket + one additional software for every 32 CPU core increment in that socket.

Environmental impact estimates made leveraging this data, using the Country / Region specific electricity factors from the '2020 Grid Electricity Emissions Factors v1.4 – September 2020', and the United States Environmental Protection Agency 'Greenhouse Gas Equivalencies Calculator'. This scenario contains many assumptions and estimates and, while based on AMD internal research and best approximations, should be considered an example for information purposes only, and not used as a basis for decision making over actual testing.

For additional details, see https://www.amd.com/en/claims/epyc4