C3 is the First GCP Instance with Intel's Most Sustainable Data Center CPU

intel

93%
renewable electricity overall

100%
renewable electricity in US and Europe

Intel 2022-23 Corporate Responsibility Report

Reducing Processor PCF

Reducing Scope 3 Emissions

Built in accelerators: AI, Crypto, AVX, AMX

Deliver greater performance & efficiency*

Energy-efficient

38%
Better performance / watt on 4th Gen Xeon vs. 3rd Gen**

*See intel.com/processorclaims: 4th Gen Intel® Xeon® Scalable processors. Claim E1. Results may vary.

** See backup for configuration. Results may vary.

Configuration Details (Gen-to-Gen Energy Efficiency)

3rd Generation Xeon: Test by Intel as of 06/29/2023. 1-node, 2x 3rd Gen Intel® Xeon® Scalable processor (36 cores), HT On, Turbo On, Total Memory 512 GB (16 slots/32 GB/3200MT/s), 0xd000389 ucode, CentOS Stream 8 OS, 6.2.0 Linux kernel, Energy efficiency workload with CPU at 70C.

4th Generation Xeon: Test by Intel as of 06/29/2023. 1-node, 2x 4th Gen Intel® Xeon® Scalable processor (56 cores with Intel® SST® profile for 48C), HT On, Turbo On, Total Memory 512 GB (16 slots/32 GB/4800MT/s), 0x2b0001b0 ucode, CentOS Stream 8 OS, 6.2.0 Linux kernel, Energy efficiency workload with CPU at 70C.