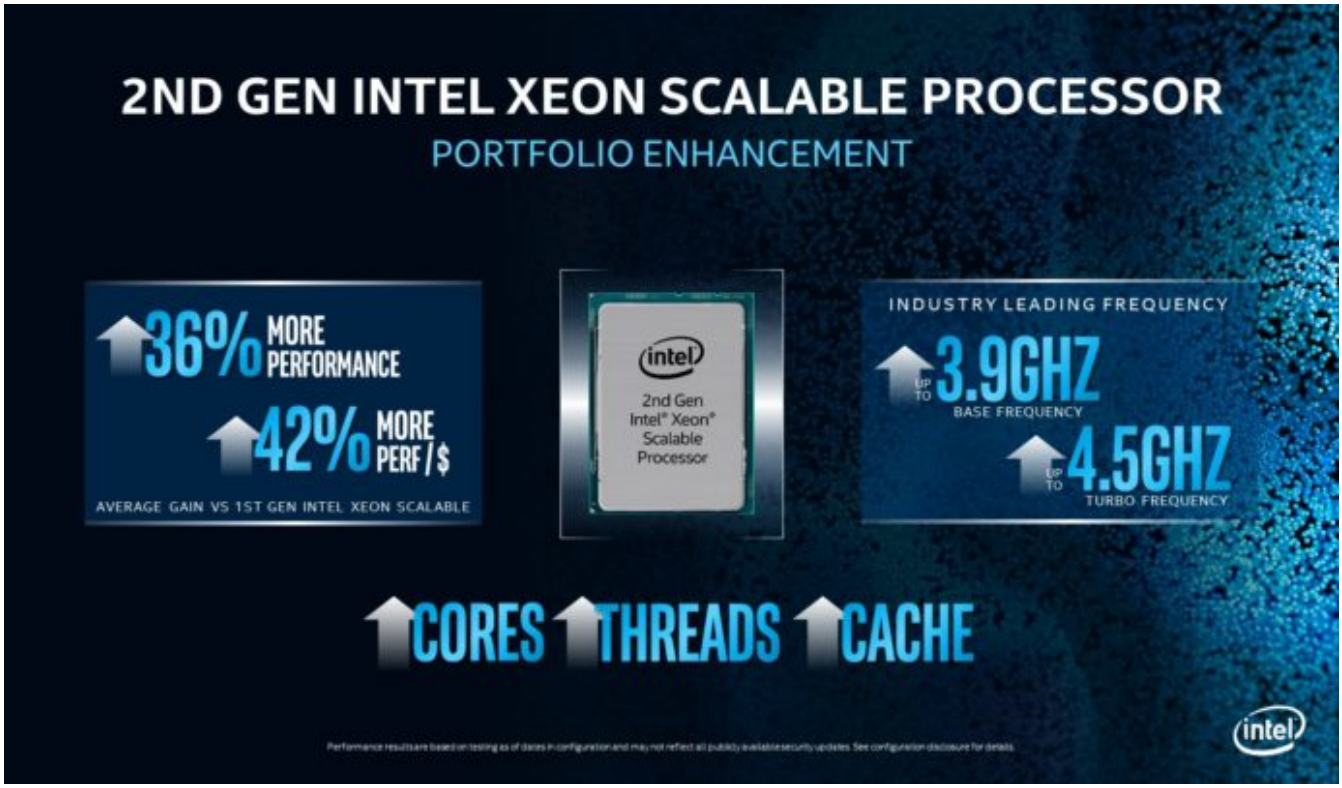
Written by Alice Marshall
28 February 2020

Intel announces a range of "performance and performance-per-dollar-optimised" 2nd generation Xeon Scalable processors promising average 1.36-times higher performance compared to 1st generation Xeon Gold processors.



To achieve such performance, the processors feature more cores, larger cache sizes and processor frequency boosts. Designed for dual- and single-socket mainstream and entry-level servers, the processors are labeled with an "R", "T" or "U" suffix. The addition of more cores and incresed cache makes the processors ideal for workloads with critical capacity-per-server, such as virtualised clouds, hyperconverged infrastructure or network function virtualisation.

The Xeon Gold 6200 processors deliver a processor frequency of up to 4.5GHz with Turbo Boost technology and up to 33% processor cache, offering "breakthrough" performance for frequency-fueled workloads. The Xeon Gold 6200R and 5200R processor offer a higher base and Turbo Boost technology frequencies, as well as increased processor cache. As for entry-level, edge, networking and IoT applications, Intel presents Xeon Gold 6200U, Silver 4200R, Silver 4210T and Bronce 3200R processors.

Chipzilla also announces two processors promising the highest server processor frequency in the industry-- the Xeon Gold 6256 and 6250, with a base frequency of up to 3.9GHz and turbo frequency reaching 4.5GHz. The high-frequency processors are optimised for workloads scaling with clock frequency, including financial trading, simulation and modeling, high-performance computing and databases.

“Intel’s data-centric platforms offer the broadest market coverage of any server processor platform-– from the cloud, through the network, to the intelligent edge,” the company says. “Working closely with our customers, we are delivering these new server processors to address their performance and pricing needs across a broad range of markets and workloads.”

Go Intel Reinforces Datacentre Leadership With New 2nd Gen Intel Xeon Scalable Processors