TCO Brief

MODERNIZE IT INFRASTRUCTURE, DO MORE WITH LESS

2nd Gen Intel® Xeon® Scalable Platform

Be Ready for the Future on Your Terms

Modernization is the first step to transforming IT from a cost center to a profit-driving engine for modern, data-driven businesses. Intel has a growing and differentiated portfolio of datacentric technologies designed for modern infrastructure that will accelerate a range of business-critical workloads and help drive faster value from data. This includes 2nd Gen Intel® Xeon® Scalable processors combined with Intel® Optane™ DC Solid State Drives (SSDs).

Performance to Propel Insights

New 2nd Gen Intel Xeon Scalable processors deliver outstanding improvements in performance, whether investing in new infrastructure or refreshing to the latest generation.

2014 doesn't feel that long ago, but with up to 4.3X performance improvement, 2nd Gen Intel Xeon Scalable processors bring transformational upgrades to dated infrastructure across a wide range of applications.

INTEL® XEON® PLATINUM 8200 PROCESSORS

INTEL® XEON® GOLD 6200 & 5200 PROCESSORS

INTEL® XEON® SILVER 4200 PROCESSORS

INTEL® XEON® BRONZE 3200 PROCESSORS

OLTP Database	Big Data	
HammerDB	**BigBench (3TB)**	**HiBench**
2nd Gen Intel® Xeon® Platinum 8280 and Intel® SSD DCP4610 Series	2nd Gen Intel® Xeon® Gold 6248	2nd Gen Intel® Xeon® Gold 6248
UP TO **3.7X**[1]	UP TO **2.3X**[2]	UP TO **4.3X**[3]
HIGHER PERFORMANCE VS 5-YEAR SYSTEM	FASTER TIME TO INSIGHTS VS 5-YEAR SYSTEM	HIGHER PERFORMANCE VS 5-YEAR SYSTEM
Intel® Xeon® processor E5-2697 v2	Intel® Xeon® processor E5-2697 v2	Intel® Xeon® processor E5-2697 v2

Benefits of the Latest Software and Hardware Innovation

Modernizing IT infrastructure with Windows* Server 2019 and SQL Server 2017 on 2nd Gen Intel Xeon Scalable processors accelerates innovation and delivers business value to decrease "technical debt", support expanding workloads and DevOps, improve data security and deliver an easier path to hybrid cloud.

Decrease "Technical Debt"

Modernize legacy applications and infrastructure, lower TCO, improve efficiencies, and reduce unplanned downtime.

Support Expanding Workloads and DevOps

Get faster insights from data intensive workloads, speed time to market of new apps and services, and deliver self-service & developer-friendly tools.

Improve Data Security

Trusted multilayer security and compliance is GDPR ready, delivers faster data recovery, and incorporates SDN for improved network security out to the edge.

Easier Path to Hybrid Cloud with Human –Computer Interaction (HIC)

Highly scalable performance with centralized management and orchestration enable agility with control for faster deployment of services.

Real TCO Benefits, and Fast

Don't let legacy infrastructure hold your business back. Realize up to 60% savings with fewer servers delivering similar levels of performance. Be ready to compete—today and in the future— with efficient, secure data center solutions optimized for the 2nd Gen Intel Xeon Scalable platform. Can your customers afford to wait?

ACCELERATE INNOVATION WITH PERFORMANCE UP TO 4X FASTER THAN 4 TO 5-YEAR-OLD SERVERS.[4]

IMPROVE TCO UP TO 60% SAVINGS WITH FEWER SERVERS BUT SIMILAR PERFORMANCE LEVELS.[5]

(intel)