



Customers Showcase Adoption of 4th Gen Intel Xeon Scalable Processors and Max Series CPUs and GPUs

Jan. 10, 2023 — Today, Intel launches its 4th Gen Intel® Xeon® Scalable processors, Intel® Xeon® CPU Max Series, and Intel® Data Center GPU Max Series. As the new technologies are introduced, see how Intel customers describe their expectations and goals to take on and solve computing challenges at scale. They explain how their adoption of these Intel technologies helps them deliver significant outcomes for their customers and the industry.

AWS and Intel have been on a journey together innovating for customers since AWS introduced the concept of cloud computing over 16 years ago. AWS has built the most reliable and secure global cloud infrastructure with the broadest and deepest portfolio. To date, AWS has introduced more than 400 Intel-based instances and is excited to continue its collaboration with Intel with support of 4th Gen Xeon Scalable processors for the Amazon EC2 portfolio.

Cisco and Intel have had a long history of innovation and collaboration, and, together, creating significant flexibility, performance and sustainability benefits for their customers. With this launch, Cisco is excited to bring Intel's 4th Gen Xeon Scalable processors to its newest line of 7th generation UCS C-Series and X-Series servers.

Cloudera and Intel's joint solutions support companies as they expand hybrid cloud analytics, implement open data lakehouses with record-breaking performance and roll out machine learning use cases across their organizations at a record pace. Cloudera looks forward to working with Intel on incorporating Xeon's built-in accelerators to increase performance even more, while at the same time lowering power consumption.

Dell Technologies, with Intel, is accelerating digital transformation everywhere. Providing performance and efficiency for AI, data analytics, high performance computing (HPC) and networking.

Ericsson sees this as a big step forward in the industry's transition to a cloud-based paradigm. Intel's optimized performance and power efficiency, combined with the scalability and flexibility of Ericsson Cloud RAN, helps enable high-capacity solutions for RAN (radio access network) environments. Ericsson looks forward to seeing deployments broadly within its customers' networks.

Fujitsu is basing its data transformation PRIMERGY platform on Xeon technology, and with this launch will continue to partner and support customers across numerous verticals in healthcare, retail, industry, defense and public sectors. In the future, with a continued focus on AI and security, Intel is democratizing AI. Fujitsu looks forward to the continued partnership on high-impact work – driving outcomes and improving the lives of every person on Earth.



Google Cloud and Intel are committed to providing customers with infrastructure choices that are optimized for real world workloads so they can get the best experience and the most advanced capabilities. Google Cloud looks forward to customers taking advantage of the AI accelerators and security features enabled on this latest Intel Xeon processor.

Hewlett Packard Enterprise, together with Intel, has delivered solutions to enterprises of all sizes, made edge computing in space possible and has powered some of the world's fastest supercomputers. We are pushing the boundaries of performance, enabling AI at scale and fueling innovation.

IBM Cloud is excited to be one of the first global cloud providers that will offer 4th Gen Intel Xeon Scalable processors. The expansion of Intel Xeon technology in IBM's cloud infrastructure will deliver enhanced performance and security for HPC and a wide variety of AI and Enterprise workloads.

Inspur Information and Intel have a long-standing cooperation in technology development and innovation. Inspur Information looks forward to continuing that partnership long into the future to provide leading products with world-class performance, reliability and scalability to drive intelligent transformation for its customers.

Lenovo and Intel have enjoyed a strong and successful collaboration across the new IT architecture, including client, edge, cloud, network and intelligence. The launch of the 4th Gen Intel Xeon Scalable platform will power Lenovo's new infrastructure solutions, including ThinkSystem, ThinkAgile and ThinkEdge.

Los Alamos National Laboratory has seen extremely promising results on pre-production silicon with performance improvements up to 8.57x over current HPC systems at LANL¹. While other technologies have required significant refactoring, a simple recompile was all that was necessary to see major benefits when porting to the Intel Xeon Max Series CPU.

Microsoft Azure and Intel have enabled organizations to achieve new levels of data privacy and confidentiality with the introduction of 3rd Gen Intel Xeon Scalable processors with Intel Software Guard Extensions. Microsoft Azure is pleased to be one of the first cloud providers to offer confidential computing services based on Intel 4th Gen Xeon Scalable processors with Intel® Trust Domain Extensions later this year, allowing organizations to migrate their most sensitive workloads to the cloud with no code changes.

NVIDIA is pairing Intel's 4th Gen Xeon CPUs with [NVIDIA H100](#) Tensor Core GPUs and [NVIDIA ConnectX-7](#) networking for its latest generation of NVIDIA DGX systems, NVIDIA DGX H100.

Numenta believes the innovative performance on Intel's SPR-HBM platform is transformative for its customers, enabling cost-efficient scaling. Numenta's optimized BERT-Large model is able to process large text documents cost-effectively.



Oracle is excited about bringing the new Intel 4th Generation Xeon Scalable platform with built-in accelerators to Oracle cloud infrastructure, and it will be supporting the new 4th generation platform across all its cloud compute technologies.

Red Hat and Intel have been leaders in open-source development for over 25 years and partnered to deliver a broad solution portfolio in world-changing areas such as 5G, AI and intelligent edge. With the launch of Intel's 4th Gen Xeon processors, Red Hat will enable Intel's Quick Assist Technology – enabling its communications services customers to accelerate offload, minimize latency and seamlessly switch between public and private 5G networks. In addition, Red Hat will enable Intel's Advanced Matrix Extensions, allowing its financial services customers to accelerate AI workloads.

SAP and Intel share a longstanding partnership, and together, we are delighted to deliver value to our customers. We look forward to building on our successful collaboration in the future, and empowering our customers with the technology and solutions they need to address their most pressing challenges

Supermicro supports Intel's 4th Generation Xeon Scalable processor and Max Series with over 50 new models. The rack scale, total IT solution will deliver the best performance-per-watt green computing solution Supermicro offers.

Telefonica is working with Intel on transforming its network and looks forward to the improved performance and features with 4th Gen Intel Xeon Scalable processors when it deploys in its network later this year.

VMware believes the 4th Gen Intel Xeon Scalable processor is truly a game-changing next-gen platform. Multicloud environments are becoming richer and more diverse, providing many choices in the infrastructure stack for their workloads. The combination of Intel's 4th Gen Xeon processors and VMware vSphere and the vSAN Express Storage Architecture (ESA) provide a proven path for data center modernization solutions across all industries and enables a new generation of VMware hyperconverged infrastructure (HCI). The joint solutions reinforce the value of our relationship as VMware continues to solve the needs of our broad range of customers.

¹See <https://arxiv.org/abs/2211.05712> for workloads and configurations. Results may vary

About Intel

Intel (Nasdaq: INTC) is an industry leader, creating world-changing technology that enables global progress and enriches lives. Inspired by Moore's Law, we continuously work to advance the design and manufacturing of semiconductors to help address our customers' greatest challenges. By embedding intelligence in the cloud, network, edge and every kind of computing device, we unleash the potential of data to transform business and society for the better. To learn more about Intel's innovations, go to newsroom.intel.com and intel.com.

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