Intel On Demand

What is Intel On Demand?

Intel® On Demand (formerly referred to as software-defined silicon, SDSi) is a new service being introduced with 4th Gen Intel® Xeon® Scalable processors. On Demand can be used to expand and/or upgrade accelerators and hardware-enhanced features available on most 4th Gen Xeon processor SKUs. Supported features include Intel® Dynamic Load Balancer, Intel® Data Streaming Accelerator, Intel® In-Memory Analytics Accelerator, Intel® Quick Assist Technology and Intel® Software Guard Extensions.

How Does On Demand work?

On Demand is a service primarily managed by Intel and hardware providers. The infrastructure consists of an API for license ordering and a software agent for license provisioning and activation of the CPU features. Depending on the hardware provider, an end customer will have the option of opting in to buy On Demand features at time of purchase (i.e., licensing is activated during manufacturing) or post-purchase as an upgrade (i.e., licensing is requested and activated remotely). Intel has referred to this adoption model as "activation." Alternatively, Intel is working with a few partners to implement a metering adoption model in which On Demand features can be turned on and off when needed and payment is based on usage versus a one-time licensing. Intel has referred to this adoption model as "consumption."

What are the Customer Benefits of On Demand?

Intel has heard from end customers that want to shift from capex to opex and better align compute delivery with demand and budget constraints. End customers want access to new features and capabilities when they need them. With the introduction of the activation model with 4th Gen Xeon processors, On Demand will give end customers the flexibility to choose fully featured premium SKUs or the opportunity to add features at any time throughout the lifecycle of the Xeon processor. Intel believes the flexible nature of On Demand will become more valuable to customers as the number of workloads and the amount of third-party enterprise software using accelerators grows and becomes more pervasive as solution providers begin enabling these capabilities in their system and service offerings.

What Should End Customers Do Next?

Customers can buy 4th Gen Intel Xeon Scalable processors with built-in accelerators from their provider. Customers looking to upgrade or learn more about how On Demand will be offered should work with their provider or Intel representative. On Demand pricing will vary by the license model, one-time or periodic usage fees. Initial providers of On Demand include H3C, Inspur, Lenovo, Supermicro and Variscale. Intel continues to work with additional providers on their enablement plans for On Demand.

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.

Performance varies by use, configuration and other factors. Learn more at intel.com/performanceindex.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.

Your costs and results may vary.

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