

# THE FUTURE'S MOST VALUABLE CURRENCY IS DATA



Data Centers Are Transforming:



Capitalize on New Opportunities with the Right Infrastructure

## INTEL® XEON® SCALABLE PROCESSORS



## THE FUTURE-FORWARD PLATFORM BUILT FOR SECURE, AGILE DIGITAL SERVICES

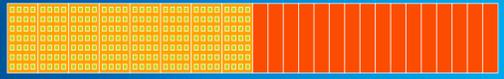
### ONE SCALABLE PLATFORM



**Intel® Xeon® Platinum Processor**  
(8000 Series)  
*Best Performance and Business Agility,  
Hardware-Enhanced Security*

Best for Mission Critical, Real-Time Analytics and Artificial Intelligence

Up to 224 Cores (28 cores x 8 sockets)      Up to 12 TB of Memory (1.5 TB x 8 sockets)



**Intel® Xeon® Gold Processor**  
(6000 Series)  
*Great Performance, Fast Memory,  
More Interconnect/Accelerator Engines*

More Interconnects

Up to 88 Cores (22 cores x 4 sockets)      Up to 6 TB of Memory (1.5 TB x 4 sockets)



**Intel® Xeon® Gold Processor**  
(5000 Series)  
*Better Performance, Advanced Reliability*

Advanced RAS Features

Up to 56 Cores (14 cores x 4 sockets)      Up to 3 TB of Memory (768 GB x 4 sockets)



**Intel® Xeon® Silver Processor**  
(4000 Series)  
*Efficient Performance at Low Power*

As Low as 70 Watts

Up to 24 Cores (12 cores x 2 sockets)      Up to 1.5 TB of Memory (768 GB x 2 sockets)



**Intel® Xeon® Bronze Processor**  
(3000 Series)  
*Entry Performance*

As Low as 85 Watts

Up to 16 Cores (8 cores x 2 sockets)      Up to 1.5 TB of Memory (768 GB x 2 sockets)



■ Sockets  
■ Cores  
■ Memory

### IDEAL FOR EVERY MARKET SEGMENT



Pervasive Performance For Actionable Insights

Securing Data and Services Without Compromising Performance

**4.2x** MORE VMs THAN A 4-YEAR-OLD SERVER<sup>1</sup>

**3.1x** FASTER CRYPTOGRAPHIC HASHING PERFORMANCE THAN THE INTEL® XEON® PROCESSOR E5-2600 V4 FAMILY<sup>2</sup>

## INTEL® XEON® SCALABLE PROCESSORS



Discover more at [www.intel.com/xeonscalable](http://www.intel.com/xeonscalable)

<sup>1</sup> Up to 4.2x more VMs based on server virtualization consolidation workload: Based on Intel® internal estimates 1-Node, 2 x Intel® Xeon® Processor E5-2690 on Romley-EP with 256 GB Total Memory on VMware ESXi® 6.0 GA using Guest OS RHEL6.4, glassfish3.1.2.2, postgresql9.2. Data Source: Request Number: 1718, Benchmark: server virtualization consolidation, Score: 377.6 @ 21 VMs vs. 1-Node, 2 x Intel® Xeon® Platinum 8180 Processor on Wolf Pass SKX with 768 GB Total Memory on VMware ESXi6.0 U3 GA using Guest OS RHEL 6 64bit. Data Source: Request Number: 2563, Benchmark: server virtualization consolidation, Score: 1580 @ 90 VMs. Higher is better.

<sup>2</sup> Up to 3.1x more Cryptographic Hashing performance. Intel Xeon® Processor Scalable Family: Platinum 8180 Processor, 28C, 2.5 GHz, H0, Neon City CRB, 12x16 GB DDR4 2666 MT/s ECC RDIMM, BIOS PLYCRB1.86B.0128.R08.1703242666. Intel® Xeon® E5-2600v4 Series Processor, E5-2650 v4, 12C, 2.2 GHz, Aztec City CRB, 4x8 GB DDR4 2400 MT/s ECC RDIMM, BIOS GRRFCRB1.86B.0276.R02.1606020546. Operating System: Redhat Enterprise Linux 7.3, Kernel 4.2.3, ISA-L 2.18, BIOS Configuration, P-States: Disabled, Turbo: Disabled, Speed Step: Disabled, C-States: Disabled, ENERGY\_PERF\_BIAS\_CFG: PERF.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at [www.intel.com](http://www.intel.com).

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