Modern workloads can push aging infrastructure to its limits, which can lead to:

- Inadequate performance
- Skyrocketing energy costs
- Increasing security risks



Enhance performance, sustainability, and security

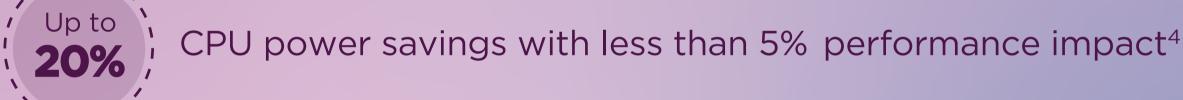
When you modernize on Lenovo® ThinkSystem™ V3 servers powered by 4th Gen Intel® Xeon® Scalable processors.



Enjoy Top Performance

- TPC-E benchmark: 12,437 transactions per second²
- 3:1 server consolidation, resulting in up to a 70% reduction in server count³

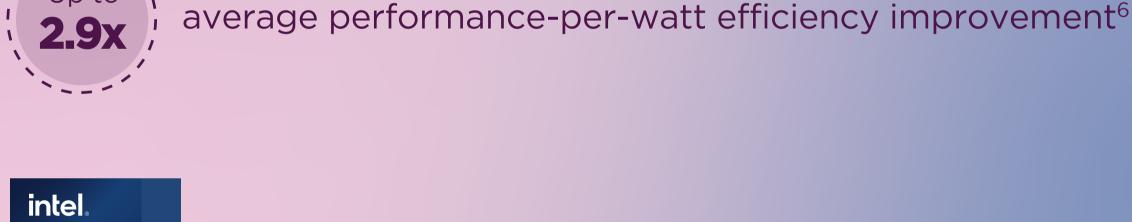
SAP HANA®: 63 seconds runtime for 1.3B records¹



Improve Energy Efficiency



reduced power usage per socket at low utilization⁵



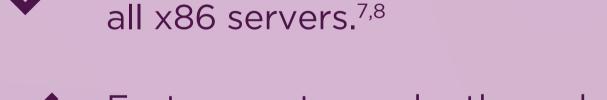
Xeon

PLATINUM

Lenovo servers have ranked #1 in security for four years among

Lenovo® ThinkSystem™ SR650 V3 servers powered by up to 4th Gen

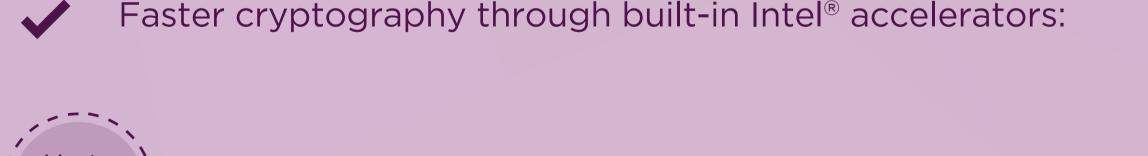
Intel® Xeon® Scalable processors with the most built-in accelerators.



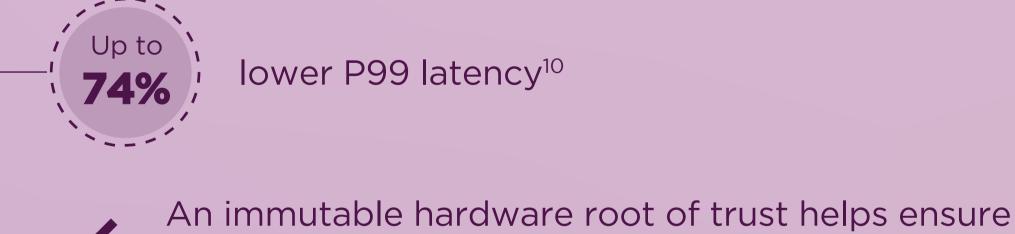
trusted firmware.

supplier security.

Strengthen Security



higher level-1 compression throughput9



Lenovo's Trusted Supplier Program helps ensure

Don't Miss Out on These Benefits.

Modernize Today. Learn more





intel

³ Compared to first-generation ThinkSystem SR650 servers. See Intel. "Minimize Total Cost of Ownership with a Server Refresh." June 2023. Comparing benefits transitioning from Intel Xeon Silver 4210 processors to Intel Xeon Gold 5420+ processors. Up to 3:1 consolidation and 62% TCO savings with 4th Gen Intel® Xeon® Scalable processors: Calculations as of April 28, 2023, based on the Intel node TCO and power calculator using default power, cost, and TCO assumptions over a five-year TCO horizon comparing replacing 50 older servers with Intel Xeon Silver 4210 processors with new servers using Intel Xeon Gold 5420+ processors.

Lenovo

intel.com/processorclaims: 4th Gen Intel® Xeon® Scalable processors. Results may vary. ⁵ Reduced power usage where customers tend to run (at approximately 30-40% utilization), up to 70 W per socket at low utilization. For details, see [E6] at intel.com/processorclaims: 4th Gen Intel® Xeon® Scalable processors. Results may vary.

⁴ Up to 20% CPU power savings at less than 5% performance impact with Intel's new Optimized Power Mode feature. For details, see [E6] at

⁷ ITIC. "IBM Z, IBM Power Systems & Lenovo ThinkSystem Servers Most Secure, Toughest to Crack." November 2022. 8 ITIC. "ITIC 2022 Global Server Reliability Survey Finds IBM Z, IBM Power Systems, Lenovo ThinkSystem deliver top reliability." November 2022.

¹⁰ See [W5] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.

Scalable processors). For details, see [E1] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.

Results may vary. Performance measurements based on published SPECrate®2017_int_base on spec.org as of March 28, 2023.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk. Lenovo and the Lenovo logo are trademarks of Lenovo in the United States, other countries, or both.

⁶ 2.9x average performance per watt efficiency improvement with targeted workloads (using built-in accelerators compared to previous-generation Intel® Xeon®

⁹ See [N16] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.

© 2023 Lenovo. All rights reserved.