



Performance, Security, and Sustainability

Are Within Reach When You Modernize Your Infrastructure

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

- ✓ SAP HANA®: 63 seconds runtime for 1.3B records¹
- ✓ TPC-E benchmark: 12,437 transactions per second²
- ✓ 3:1 server consolidation, resulting in up to a 70% reduction in server count³

Improve Energy Efficiency

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Lenovo® ThinkSystem™ SR650 V3 servers powered by up to 4th Gen Intel® Xeon® Scalable processors with the most built-in accelerators.

Strengthen Security

- ✓ Lenovo servers have ranked #1 in security for four years among all x86 servers.^{7,8}
- ✓ Faster cryptography through built-in Intel® accelerators:

- ✓ An immutable hardware root of trust helps ensure trusted firmware.
- ✓ Lenovo's Trusted Supplier Program helps ensure supplier security.



Don't Miss Out on These Benefits. Modernize Today.

Learn more



¹ SAP. "SAP Standard Application Benchmarks & Certified Hardware for SAP Solutions on Microsoft Windows." July 2023.
² TPC. "TPC-E Top Performance Results." July 2023.
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. Results may vary. Performance measurements based on published SPECrate2017_int_base on spec.org as of March 28, 2023.
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 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.
⁶ 2.9x average performance per watt efficiency improvement with targeted workloads (using built-in accelerators compared to previous-generation Intel® Xeon® Scalable processors). For details, see [E1] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.
⁷ ITC. "IBM Z, IBM Power Systems & Lenovo ThinkSystem Servers Most Secure, Toughest to Crack." November 2022.
⁸ ITC. "ITC 2022 Global Server Reliability Survey Finds IBM Z, IBM Power Systems, Lenovo ThinkSystem deliver top reliability." November 2022.
⁹ See [N16] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.
¹⁰ See [W5] at intel.com/processorclaims: 4th Gen Intel Xeon Scalable processors. Results may vary.

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