

# ThinkSystem SR950 V3 Sets 3 World Records with New SPECpower2008 on Linux Benchmark Result Performance Benchmark Result

Lenovo has published a new SPECpower\_ssj 2008 benchmark result that has set three new world records. The result has been achieved on the powerful Lenovo ThinkSystem SR950 V3 server using the new Intel Xeon Platinum 8490H processor.

The world-record benchmark result is:

- Best 8U rack system
- Best score on a 8-processor, 8U rack system
- Best score on a 8-processor, 8U rack system running Linux

The SPECpower\_ssj 2008 benchmark is an industry-standard benchmark that evaluates the power and performance characteristics of single servers and multi-node servers.

The ThinkSystem SR950 V3 server achieved the following score :

- **SPECpower\_ssj2008 = 13,941 overall ssj\_ops/watt**

The SR950 V3 was configured as follows:

- 8x Intel Xeon Platinum 8490H processor (60-Core, 1.9GHz, 112.5MB L3 Cache)
- 4096 GB of DDR5 memory
- 1x 960GB M.2 SSD
- SUSE Linux Enterprise Server 15 SP6
- Java HotSpot(TM) 64-Bit Server VM (build 17.0.10+11-LTS-240, mixed mode, sharing), version 17.0.10

Results referenced are current as of March 31, 2025.

This benchmark result can be found at the following web page:

[https://www.spec.org/power\\_ssj2008/results/res2025q1/power\\_ssj2008-20250311-01507.html](https://www.spec.org/power_ssj2008/results/res2025q1/power_ssj2008-20250311-01507.html)

To view all SPECpower\_ssj 2008 results, see the following page:

[https://www.spec.org/power\\_ssj2008/results/](https://www.spec.org/power_ssj2008/results/)



## About the ThinkSystem SR950 V3

The Lenovo SR950 V3 is an 8-socket server that features an 8U rack design, with two 4U units cabled together for ease of installation. The server offers technology advances, including 4th Gen Intel Xeon Scalable processors, and scale-up capacity of up to 32TB of system memory, up to 14x PCIe slots (6x front, 8x rear), and up to 16x 2.5-inch or 16x E3.S EDSFF drive bays.

The SR950 V3 is designed for the most demanding, mission-critical workloads, such as in-memory databases, large transactional databases, real-time analytics, ERP, CRM, and virtualized server workloads.

## About SPECpower

The SPEC Power benchmark suite measures the power and performance characteristics of server-class computer equipment. It is used to compare power and performance among different servers and serves as a toolset for use in improving server efficiency. This benchmark is targeted for use by hardware vendors, IT industry, computer manufacturers, and governments.

## Learn more

To learn more about power-efficient solutions for compute-intensive applications, please contact your Lenovo Sales Representative.

To find out more about SPEC, visit <https://www.spec.org>

To learn more about the Lenovo ThinkSystem SR950 V3 server, visit the SR950 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/mission-critical/thinksystem-sr950-v3/len21ts0023>

## Related product families

Product families related to this document are the following:

- [8-Socket Rack Servers](#)
- [SPECpower Benchmark Results](#)
- [ThinkSystem SR950 V3 Server](#)

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