

Five World Record SPECjbb2015 Benchmark Results for 4-Socket ThinkSystem SR950

Performance Benchmark Result

November 8, 2017 ... Lenovo has published leadership four-processor (4P) performance results for the SPECjbb2015-MultiJVM, Distributed and Composite benchmarks, running on the ThinkSystem SR950 server.



SPECjbb2015 is a Java Business Benchmark and is the SPEC benchmark used for evaluating the performance of servers running typical Enterprise Java applications.

The ThinkSystem SR950 achieved the following five top SPECjbb2015 scores:

- **355,121 SPECjbb2015-MultiJVM max-jOPS**
- **233,071 SPECjbb2015-MultiJVM critical-jOPS**
- **359,067 SPECjbb2015-Distributed max-jOPS**
- **268,287 SPECjbb2015-Composite max-jOPS**
- **190,787 SPECjbb2015-Composite critical-jOPS**

The ThinkSystem SR950 was configured as follows:

- Intel Xeon Platinum 8180 processor
 - 2.5 GHz with 38.5 MB L3 cache per processor
 - 4 processors, 112 total cores, 28 cores per processor
- Lenovo TruDDR4 system memory:
 - 768 GB for the MultiJVM max-jOPS and Distributed max-jOPS benchmarks
 - 1.5 TB for all other benchmarks
- Operating system:
 - SUSE Linux Enterprise Server 12 SP2 for the MultiJVM max-jOPS and Distributed max-jOPS benchmarks
 - Red Hat Enterprise Linux Server 7.3 for all other benchmarks
- Oracle Java HotSpot 64-bit Server VM, version 1.8.0_144.

Results referenced are current as of November 8, 2017. To view details of these results, go to these SPEC web pages:

- [Composite critical-jOPS result](#)
- [Composite max-jOPS result](#)
- [Distributed max-jOPS result](#)
- [MultiJVM critical-jOPS result](#)
- [MultiJVM max-jOPS result](#)

To view all SPECjbb2015 results, go to <https://www.spec.org/jbb2015/results/jbb2015.html>

About the ThinkSystem SR950

Lenovo ThinkSystem SR950 is designed for your most demanding, mission-critical workloads, such as in-memory databases, large transactional databases, batch and real-time analytics, ERP, CRM, and virtualized server workloads.

The powerful 4U ThinkSystem SR950 can grow from two to eight Intel Xeon Scalable Family processors, and with 96 DIMM sockets, supports up to 12 TB of high-speed memory without having to replace the server enclosure or upgrade to a physically larger design. The modular design of SR950 speeds upgrades and servicing with easy front or rear access to all major subsystems to maximize server availability.

The SR950 packs numerous fault-tolerant and high-availability features into a high-density design. The SR950 offers enterprise scalability and advanced RAS features to support the most demanding mission-critical applications that require 24x7 operations. The new 4U rack optimized design reduces the space needed to support massive network computing operations and simplifies servicing.

Lenovo XClarity Controller is an all-new hardware embedded management engine common in every ThinkSystem server. XClarity Controller features an uncluttered graphical user interface, industry standard Redfish-compliant REST APIs, and enables booting in half the time of prior generation servers, with up to 6x faster firmware updates.

Lenovo XClarity Administrator is a virtualized application that centrally manages ThinkSystem servers, storage, and networking. Via reusable patterns and policies, it ramps up and scales infrastructure provisioning and maintenance. It serves as a central integration point to extend your data center management processes to physical IT. Running XClarity Integrators in external IT applications, or integrating through REST APIs, helps you further speed services provisioning, streamline IT management, and contain costs.

About SPECjbb2015

The SPECjbb 2015 benchmark has been developed from the ground up to measure performance based on the latest Java application features. It is relevant to all audiences who are interested in Java server performance, including JVM vendors, hardware developers, Java application developers, researchers and members of the academic community.

Learn more

To learn more about solutions for Java 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 server, visit the [SR950 product web page](#).

Related product families

Product families related to this document are the following:

- [4-Socket Rack Servers](#)
- [Mission Critical Servers](#)
- [SPECjbb Benchmark Results](#)

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