ThinkSystem SR860 V4 Sets 8 World Records with New SPECjbb on Linux & on Windows Benchmark Results

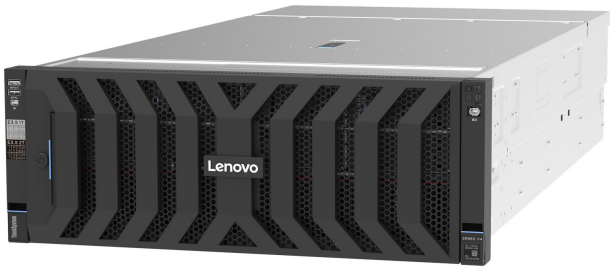
Performance Benchmark Result

Lenovo has published several new SPECjbb2015 benchmark results that have set eight new world records. These results have been achieved on the powerful Lenovo ThinkSystem SR860 V4 server using the new Intel Xeon 6788P processor and Intel Xeon 6768P processor.

The eight benchmark world records are:

- Best SPECjbb2015-Distributed max-jOPS score on 1 node with 4 processors
- Best SPECjbb2015-Distributed max-jOPS score on 1 node with 4 processors running Microsoft Windows Server
- Best SPECjbb2015-Distributed critical-jOPS score on 1 node with 4 processors
- Best SPECjbb2015-Distributed critical-jOPS score on 1 node with 4 processors running Microsoft Windows Server
- Best SPECjbb2015-MultiJVM max-jOPS score on 1 node with 4 processors running Microsoft Windows Server
- Best SPECjbb2015-MultiJVM critical-jOPS score on 1 node with 4 processors running Microsoft Windows Server
- Best SPECjbb2015-Composite max-jOPS score on 1 node with 4 processors
- Best SPECjbb2015-Composite max-jOPS score on 1 node with 4 processors running Linux 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 SR860 V4 achieved the following eight top SPECjbb2015 scores:

- **SPECjbb2015-Distributed max-jOPS (Windows Server 2025): 1,106,022**(1,2)
- **SPECjbb2015-Distributed critical-jOPS (Windows Server 2025): 865,371** (3,4)
- **SPECjbb2015 MultiJVM max-jOPS (Windows Server 2025): 1,082,489** (5)
- **SPECjbb2015 MultiJVM critical-jOPS (Windows Server 2025): 808,865** (6)
- **SPECjbb2015-Composite max-jOPS (SUSE 15SP7): 476,531** (7,8)

SPECjbb2015 measures multi-threaded compute-intensive applications, with mixed industry workloads such as online purchase, inventory management, and supply. Critical-jOPS scores are ideal for measuring latency-critical applications and max-jOPS scores are ideal for measuring throughput-critical applications.

The Lenovo ThinkSystem SR860 V4 was configured as follows:

- Processors:
  - 4 x Intel Xeon 6788P processor - 86 cores, 2.00 GHz, 336 MB L3 cache per processor
  - 4 x Intel Xeon 6768P processor - 64 cores, 2.40 GHz, 336 MB L3 cache per processor
- Memory:
  - 4TB system memory
  - 2TB system memory
- Operating system:
  - Windows Server 2025 Datacenter
  - SUSE Linux Enterprise Server 15 SP7
- Java version:
  - Java HotSpot 64-bit Server VM, version 24.0.2

Results referenced are current as of September 18, 2025. To view details of these results, go to these SPEC web pages:

- (1) Best 1-node, 4-processors SPECjbb2015-Distributed max-jOPS score. Used Windows Server 2025 & Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01642.html
- (2) Best 1-node, 4-processors SPECjbb2015-Distributed max-jOPS score run on Windows. Used Windows Server 2025 & Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01642.html
- (3) Best 1-node, 4-processors SPECjbb2015-Distributed critical-jOPS score. Used Windows Server 2025 & Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01643.html
- (4) Best 1-node, 4-processors SPECjbb2015-Distributed critical-jOPS score run on Windows. Used Windows Server 2025 & Oracle Java SE 24.0.2.
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01643.html
- (5) Best 1-node, 4-processors SPECjbb2015-MultiJVM max-jOPS score run on Windows. Used Windows Server 2025 & Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01644.html
- (6) Best 1-node, 4-processors SPECjbb2015-MultiJVM critical-jOPS score run on Windows. Used Windows Server 2025 & Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01641.html
- (7) Best 1-node 4-processors SPECjbb2015-Composite max-jOPS score.Used SUSE 15SP7 Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01645.html
- (8)Best 1-node 4-processors SPECjbb2015-Composite max-jOPS score run on Linux. Used SUSE 15SP7 Oracle Java SE 24.0.2
  https://www.spec.org/jbb2015/results/res2025q3/jbb2015-20250903-01645.html

To view all SPECjbb2015 results, go to

https://www.spec.org/jbb2015/results/jbb2015.html

About the ThinkSystem SR860 V4

The Lenovo ThinkSystem SR860 V4 is an ideal 4-socket 4U rack server for customers that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth. The server offers technology advances, including Intel® Xeon® 6700-Series processors, up to 16 TB of 6400 MHz DDR5 memory, and up to 18x PCIe slots for adapters.
With four Intel® Xeon® 6700-Series processors, massive memory capacity and available expansion for up to four enterprise-class GPUs and up to 56 drives, the Lenovo ThinkSystem SR860 V4 is designed to be the scalable, performance-tuned engine that can tackle compute-intensive applications like visualization, machine learning, artificial intelligence, analytics, and 3D modeling. Add to that an optional Neptune™ Core liquid cooling module to enable even higher sustained performance, and the ThinkSystem SR860 V4 stands out as an enterprise-class system, delivering performance and efficiency without compromise. See more information at https://lenovsopress.lenovo.com/datasheet/ds0197-thinksystem-sr860-v4

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.

SPECjbb2015 scores are ideal for measuring throughput and latency of multi-threaded compute-intensive applications such as online purchasing, inventory management, and supply.

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 SR860 V4 server, visit the SR860 V4 product web page: https://www.lenovo.com/us/en/p/servers-storage/servers/large-memory/lenovo-thinksystem-sr860-v4/len21ts0045?orgRef=https%253A%252F%252Flenovopress.lenovo.com%252F

Related product families

Product families related to this document are the following:

- 4-Socket Rack Servers
- SPECjbb Benchmark Results
- ThinkSystem SR860 V4 Server

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