

# ThinkSystem SR665 V3 Sets 3 World Records with New SPECjbb on Windows Benchmark Result

## Performance Benchmark Result

Lenovo has published several new SPECjbb2015 benchmark results that have set three new world records. These results have been achieved on the powerful Lenovo ThinkSystem SR665 V3 server using the new AMD EPYC 9655 processor.

The three benchmark world records are:

- Best SPECjbb2015-Distributed critical-jOPS score on one node with 2 processors running Microsoft Windows Server
- Best SPECjbb2015-MultiJVM critical-jOPS score on one node with 2 processors system running Microsoft Windows Server
- Best SPECjbb2015-Composite critical-jOPS score on one node with 2 processors running Microsoft Windows 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 SR665 V3 achieved the following three top SPECjbb2015 scores:

- **SPECjbb2015-Distributed Critical-jOPS (Windows Server 2022): 643,617 (1)**
- **SPECjbb2015-MultiJVM Critical-jOPS (Windows Server 2022): 639,836 (2)**
- **SPECjbb2015-Composite Critical-jOPS (Windows Server 2022): 503,796 (3)**

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 SR665 V3 was configured as follows:

- 2x AMD EPYC 9655 processor - 96 cores, 2.60 GHz, 384 MB L3 cache
- Up to 1536 GB and 3 TB system memory
- Windows Server 2022 Datacenter
- Java HotSpot 64-bit Server VM, version 17.0.12

Results referenced are current as of October 10, 2024. To view details of these results, go to these SPEC web pages:

- (1) Best 1-node, 2-processors SPECjbb2015-Distributed Critical-jOPS score run on Windows. Used Windows Server 2022, 3 TB & Oracle Java SE 17.0.12  
<https://www.spec.org/jbb2015/results/res2024q4/jbb2015-20240918-01415.html>

- (2) Best 1-node, 2-processors SPECjbb2015-MultiJVM Critical-jOPS score run on Windows. Used Windows Server 2022, 3 TB & Oracle Java SE 17.0.12  
<https://www.spec.org/jbb2015/results/res2024q4/jbb2015-20240918-01417.html>
- (3) Best 1-node, 2-processors SPECjbb2015-Composite Critical-jOPS score run on Windows. Used Windows Server 2022, 1536 GB & Oracle Java SE 17.0.12  
<https://www.spec.org/jbb2015/results/res2024q4/jbb2015-20240918-01414.html>

To view all SPECjbb2015 results, go to

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

## About the ThinkSystem SR665 V3

The ThinkSystem SR665 V3 is a 2S 2U rack server built with the performance and flexibility to manage a complex set of workloads like data management, analytics, virtualization, cloud, and AI. The 320 cores of the dual 5th Gen AMD EPYC™ "Turin" family processors with up to 160 PCIe lanes and up to 6TB of the latest DDR5 memory, maximize the performance of this 2U server.

The SR665 V3 is designed to support today's infrastructure and easily scale to prepare for next gen workloads. Multiple drive options using SAS/SATA and NVMe with hot-swap capabilities and XClarity system management software enable changes to be made quickly with ease. The versatile design doesn't stop at storage, the SR665 V3 includes support for multiple options for GPU and PCIe to satisfy graphics, speed, and budget requirements.

## 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 SR665 V3 server, visit the SR665 V3 product web page: <https://www.lenovo.com/us/en/p/servers-storage/servers/racks/thinksystem-sr665-v3/len21ts0009>

## Related product families

Product families related to this document are the following:

- [SPECjbb Benchmark Results](#)
- [ThinkSystem SR665 V3 Server](#)

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