



SPC BENCHMARK 1™

EXECUTIVE SUMMARY

LENOVO THINKSYSTEM DS6200

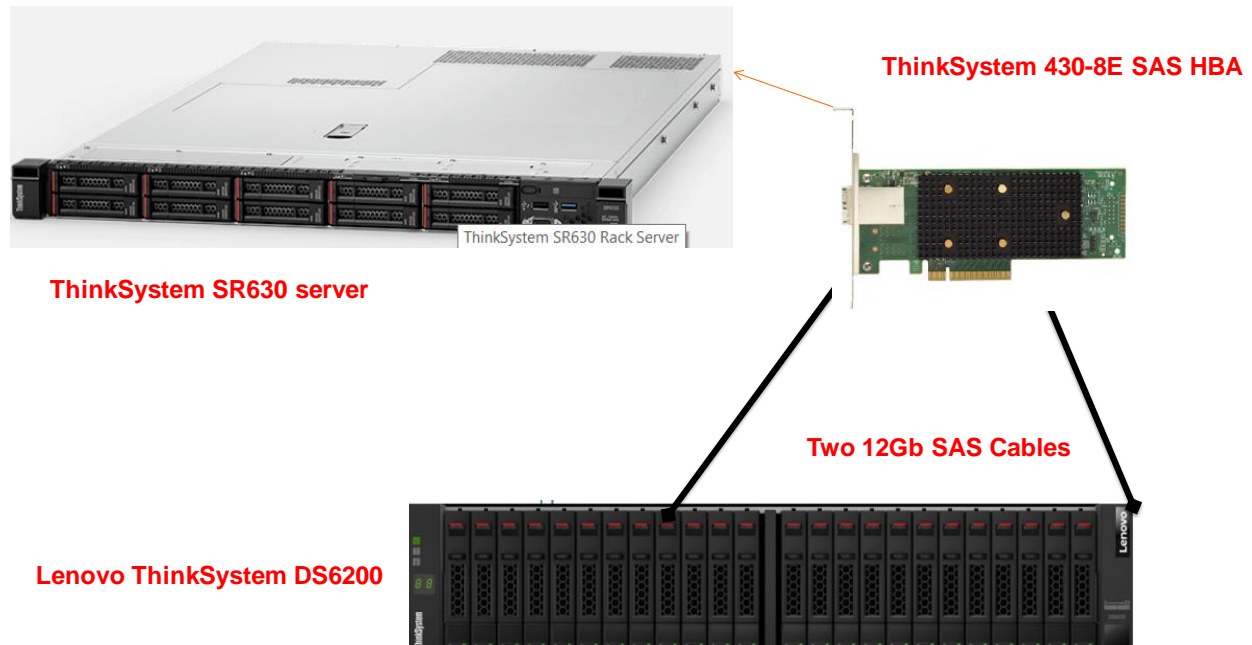
SPC-1 IOPS™	180,006
SPC-1 Price-Performance™	\$93.29/SPC-1 KIOPS™
SPC-1 IOPS™ Response Time	0.518 ms
SPC-1 Overall Response Time	0.344 ms
SPC-1 ASU Capacity	2,267 GB
SPC-1 ASU Price	\$7.41/GB
SPC-1 Total System Price	\$16,791.99
Data Protection Level	Protected 1 (RAID-10)
Physical Storage Capacity	4,800 GB
Pricing Currency / Target Country	U.S. Dollars / USA

SPC-1 V3.6

SUBMISSION IDENTIFIER: A32006

SUBMITTED FOR REVIEW: MAY 17, 2018

Benchmark Configuration Diagram



Tested Storage Product Description

The Lenovo ThinkSystem DS6200 SAN array is performance optimized for deployment in the datacenter to run your mission critical workloads. Offering 50% greater performance than the DS4200, the DS6200 is powered by a Rapid Data Placement Engine and provides industry-leading price/performance and scalability, along with high availability.

With extreme flexibility and impressive performance and capacity, the DS6200 helps you tame the storage monster. Using 3.5-inch (LFF) or 2.5-inch (SFF) HDDs and SSDs, the DS6200 supports up to 240 drives (using 9 expansion units) or 276 drives using (3) D3284 High Density Enclosures, as well as mixing LFF and SFF enclosures in the same array.

The Lenovo ThinkSystem DS6200 is designed for mission critical workloads running in the datacenter with performance and value in mind, and equipped with enterprise-class features, the DS6200 is designed to fit your needs now and into the future.

Priced Storage Configuration Components

1 x ThinkSystem 430-8E SAS HBA
1 x ThinkSystem DS6200, with:
2 x Storage Controllers
16 GB cache (32 GB total)
4 x 12 Gb SAS Front End Ports
1 x 12 Gb SAS Back End Connection
12 x 400 GB SSD

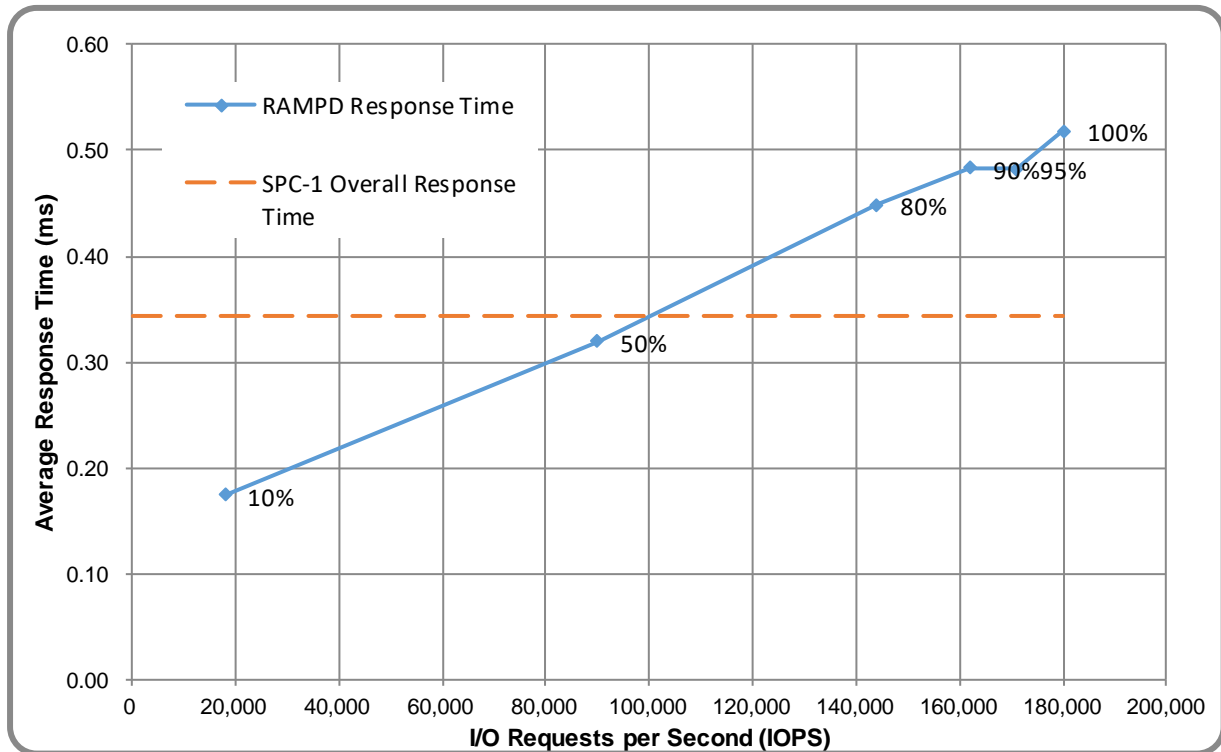
Storage Configuration Pricing

Part No.	Description	Source	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
Hardware & Software							
4619A21	ThinkSystem DS6200 SFF SAS Dual Controller Unit	1	1	11,499.00	11,499.00	45%	6,324.45
01DC462	Lenovo Storage 400GB 10DWD 2.5" SAS SSD	1	12	1,599.00	19,188.00	52%	9,210.24
00YL847	External MiniSAS HD 8644/MiniSAS HD 8644 .5M	1	2	49.00	98.00	45%	53.90
7Y37A01090	ThinkSystem 430-8E SAS HBA	1	1	499.00	499.00	45%	274.45
Hardware & Software Subtotal							15,863.04
Support & Maintenance							
01JR529	3Yr 24x7 4Hr Response	1	1	1,689.00	1,689.00	45%	928.95
Support & Maintenance Subtotal							928.95
SPC-1 Total System Price							16,791.99
SPC-1 IOPS™							180,006
SPC-1 Price-Performance™ (\$/SPC-1 KIOPS™)							93.29
SPC-1 ASU Capacity (GB)							2,267
SPC-1 ASU Price (\$/GB)							7.41

Discount Details: The discounts shown are based on the storage capacity purchased and are generally available.

Availability Date: Currently available.

Response Time and Throughput Graph



Contact Information	
Test Sponsor Primary Contact	Lenovo – http://www3.lenovo.com/us/en/data-center/ Shawn Andrews – sandrews@lenovo.com
SPC Auditor	InfoSizing – www.sizing.com Doug Johnson – doug@sizing.com

Revision Information	
SPC Benchmark 1™ Revision	V3.6
SPC-1 Workload Generator Revision	v3.0.2-1-g823a
Publication Revision History	Initial Publication