

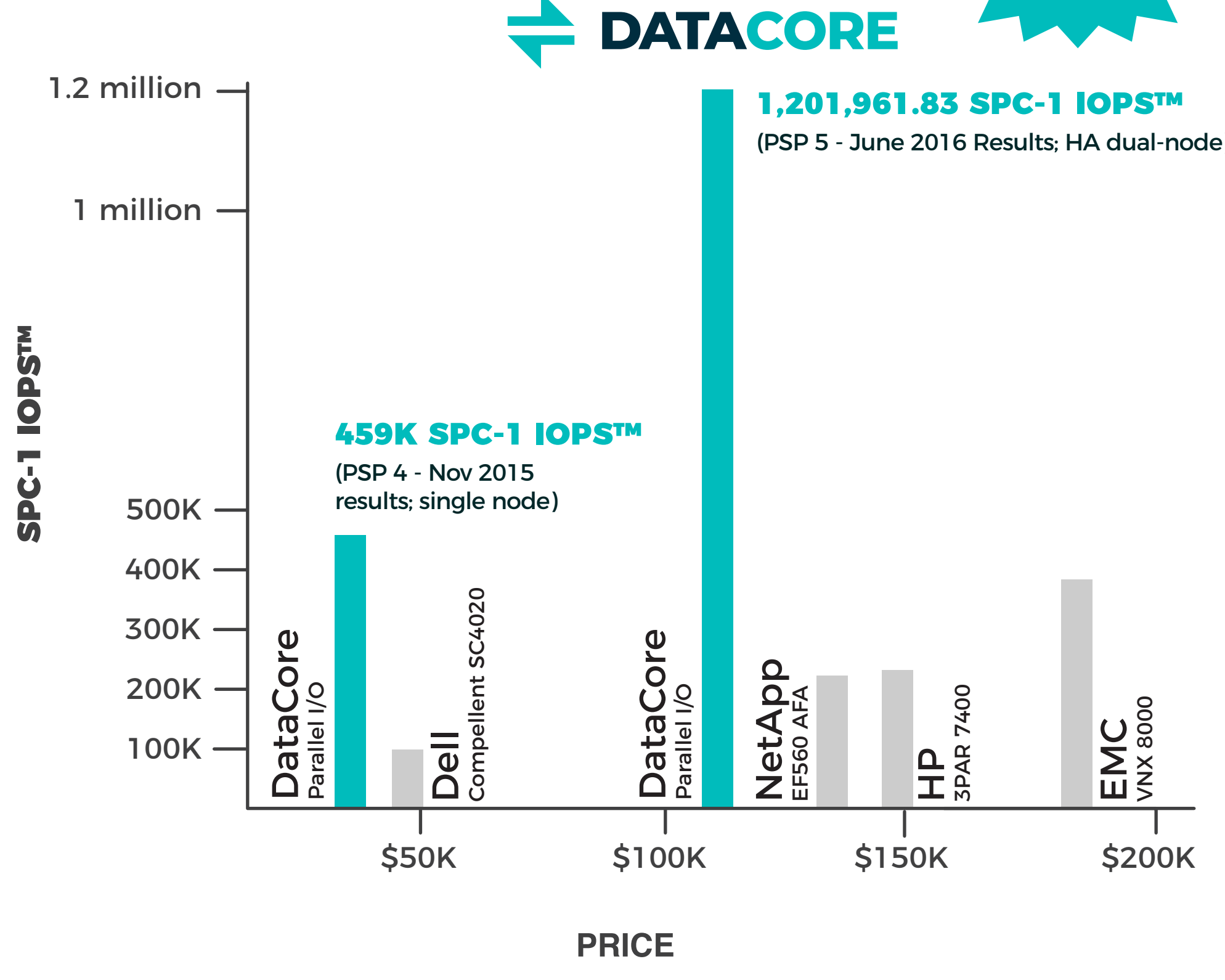
# DATACORE SOFTWARE

# SHATTERS

## WORLD RECORD FOR HYPER-CONVERGED PERFORMANCE!

Now shattering records using **TWO NODES**, connected by **FIBRE CHANNEL**, reconfigured for **FULL HIGH-AVAILABILITY** with mirrored everything (mass storage, cache and software).

## THE RESULTS ARE STAGGERING



### DataCore vs Popular Storage Vendors

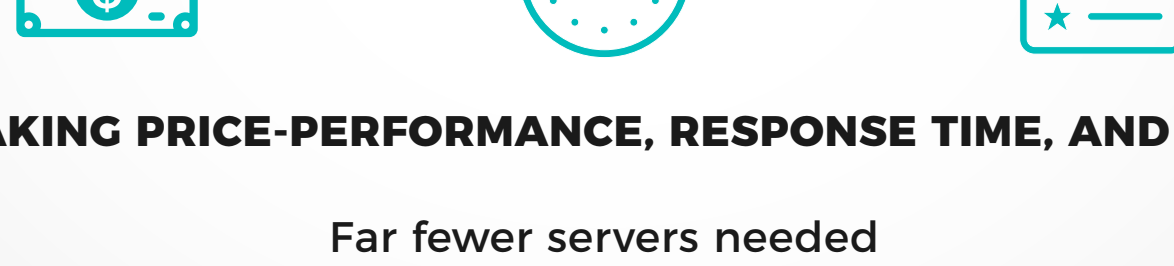
PRODUCT	SPC-1 IOPS*	TOTAL PRICE	RESPONSE TIME (Milliseconds)	\$ PER SPC-1 IOPS**
DataCore SANsymphony PSP5 (2-node HA-FC Hyper-converged)	1,201,963.83	\$115,142.76	0.22	\$0.10
DataCore SANsymphony PSP4 (Single node Hyper-converged)	459,290.87	\$38,400.29	0.32	\$0.08
EMC VNX8000	435,067.33	\$176,942.25	0.99	\$0.41
HP 3PAR StoreServ 7400 Storage System (with SSDs)	258,078.23	\$148,737.80	0.86	\$0.58
NetApp EF560 All-Flash Array	245,011.76	\$133,102.61	0.93	\$0.54
Dell Storage SC4020 (6 SSDs)	112,479.81	\$41,836.40	4.83	\$0.37

## DATACORE'S SPC-1 PERFORMANCE WORLD RECORD HYPER-CONVERGED RESULTS!

<p>PERFORMANCE</p> <p><b>1.2 million SPC-1 IOPS™</b></p> <p>Highest Productivity</p>	<p>PRICE-PERFORMANCE</p> <p><b>\$0.10 Per SPC-1 IOPS™</b></p> <p>Unmatched Economics</p>	<p>RESPONSE TIME</p> <p><b>0.22 Milliseconds</b></p> <p>Ultra Fast Applications</p>
--	--	---

## REVOLUTIONARY PRODUCTIVITY AND COST SAVINGS

DataCore's Parallel I/O Software enables breakthrough performance and revolutionary productivity gains by harnessing the full power of today's readily available multicore servers.



### RECORD-BREAKING PRICE-PERFORMANCE, RESPONSE TIME, AND PERFORMANCE

- Far fewer servers needed
- Apps respond 4X faster - work completes in 1/4<sup>th</sup> the time
- Systems respond quicker without adding hardware
- Higher workload consolidation ratios - more VMs per server
- Costs decrease substantially, as does complexity

## THE DIFFERENCE IS STUNNING

### CHECK OUT THE SPC-1 COMPARISON DataCore SANsymphony vs. EMC VNX8000

<p><b>435,067.33</b></p> <p>SPC-1 IOPS™</p>	PERFORMANCE	<p><b>1,201,691.83</b></p> <p>SPC-1 IOPS™</p>
<p><b>\$0.41</b></p> <p>Per SPC-1 IOPS™</p>	PRICE-PERFORMANCE	<p><b>\$0.10</b></p> <p>Per SPC-1 IOPS™</p> <p><b>4.1x BETTER VALUE</b></p>
<p><b>0.99</b></p> <p>Milliseconds</p>	RESPONSE TIME	<p><b>0.22</b></p> <p>Milliseconds</p> <p><b>4.5x FASTER RESPONSE TIMES</b></p>

That should put an **END TO THE MYTH** that it is Fibre Channel latencies that slow down SAN performance. We know the opposite is true – DataCore Parallel I/O **SPEEDS UP EVERYTHING IT TOUCHES**, the fabric included.

<p><b>Traditional Storage Array</b></p> <p><b>\$0.41/SPC-1 IOPS™</b></p>	<p><b>Hyper-Converged</b></p> <p><b>BETTER VALUE</b></p> <p><b>\$0.10/SPC-1 IOPS™</b></p>
--	---

**SMALLER FOOTPRINT**  
1,201,961.83 SPC-1 IOPS™ in 4U

**Ultra Fast Applications**  
0.22 millisecond response



The move to Server SAN architectures (aka hyper-converged infrastructure) has simplified operations by creating repeatable rack level deployments. DataCore with Parallel I/O software is demonstrating why these powerful multicore rack servers are becoming the basis for driving new levels of system performance and price-performance, and is a foundation for next generation system architecture.

- David Floyer, Chief Technology Officer, Wikibon

## The SPC-1™ Benchmark

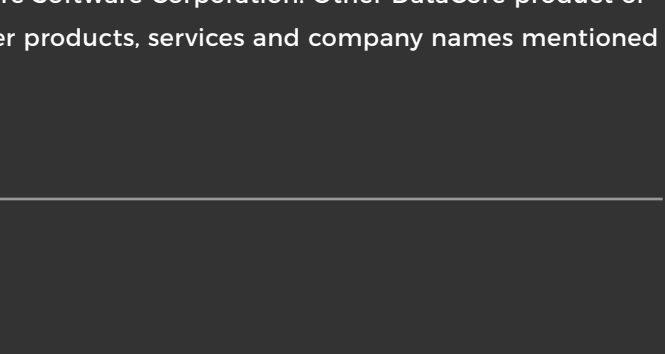
The industry's most recognized storage benchmark, SPC-1, is used to test performance. Unlike other benchmarks, the results are independently audited, fully documented and peer reviewed. SPC-1 is designed to demonstrate a system's performance capabilities for business-critical enterprise-level workloads typically found in database and transaction processing environments.

## Tested configuration

A fully highly-available, dual-node Fibre Channel Software-Defined Hyper-converged solution running on a pair of Lenovo servers, each generating enterprise database workloads to drive the required I/O traffic, powered by DataCore SANsymphony™ Parallel I/O Software.

DataCore, the data infrastructure company, is a leading provider of Software-Defined Storage, Hyper-converged and Adaptive Parallel I/O Software - harnessing today's powerful and cost-efficient server platforms to solve the IT industry's biggest storage problem, the I/O bottleneck. The company's high-performance and flexible storage virtualization and Hyper-converged virtual SAN solutions free users from the pain of labor-intensive storage management and provide customers true independence from storage solution vendors that cannot offer a hardware agnostic architecture. DataCore's Software-Defined Storage platforms revolutionize storage infrastructure and serve as the cornerstone of the next-generation, software-defined data center - delivering greater value, performance, availability, and simplicity.

Visit [www.datacore.com](http://www.datacore.com) or call (877) 780-5111 for more information.



Storage Performance Council, SPC-1, SPC-1 IOPS, SPC-1 Price-Performance and SPC-1 Result are trademarks or registered trademarks of the Storage Performance Council.  
DataCore, the DataCore logo and SANsymphony are trademarks or registered trademarks of DataCore Software Corporation. Other DataCore product or service names or logos referenced herein are trademarks of DataCore Software Corporation. All other products, services and company names mentioned herein may be trademarks of their respective owners.  
© 2018 DataCore Software Corporation. All Rights Reserved.