



JD.COM 京东

CASE STUDY



JD.com Seamlessly Handles Its Highest Site Traffic Ever with High IOPS Adapters

Solution Focus

- Retail
- MS SQL Server

“Before High IOPS adapters, our site crashed every time we had a big promotion. After we installed High IOPS adapters, our site experienced its highest traffic ever without a hitch.”

“Migrating our SQL Server databases to High IOPS adapters removed the disk bottleneck. The whole system is now more stable and nimble. Even the biggest promotion in JD.com history had no issues.”

Technical Principal, JD.com

The SanDisk® Solution

Eliminated site slowness and unresponsive servers by moving data off direct-attached storage shelves onto High IOPS adapters in mission-critical OLTP database servers.

Improvements Achieved

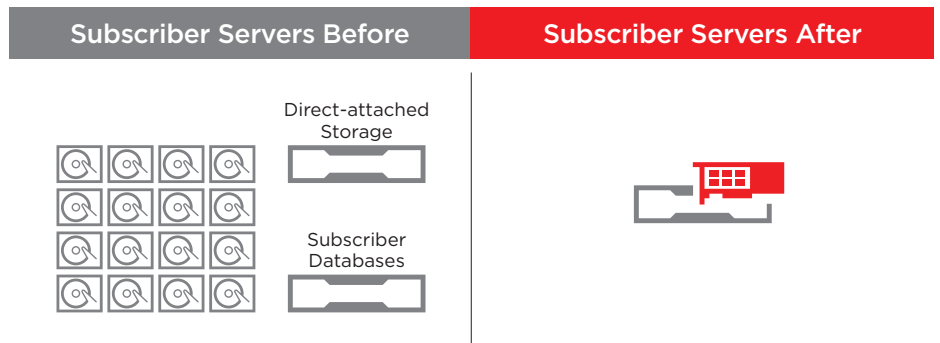
- 27x** performance density
- 3x** footprint reduction
- 9x** faster queries
- 10x** IOPS
- 3:1** server consolidation

The Bottom Line

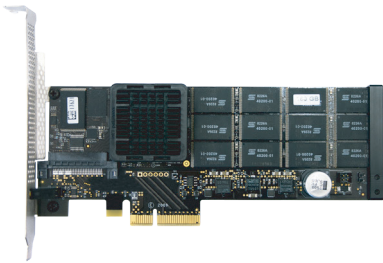
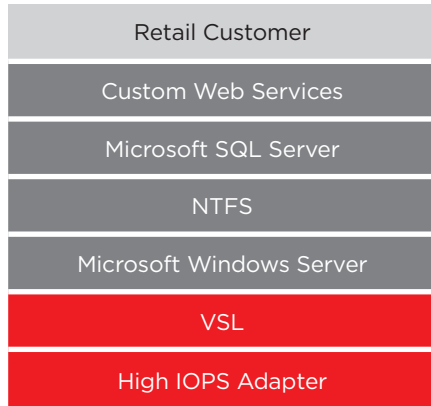
Higher performance with far less infrastructure:

- Eliminated lost sales from site outages and slow response times
- Footprint consolidation and increased server workload delivers ROI from savings on:
 - Software licenses
 - Storage upgrades
 - Monitoring and maintenance
 - Floor space
 - Power and cooling
- Deferred expensive planned SAN upgrade

3:1 OLTP Database Server Consolidation

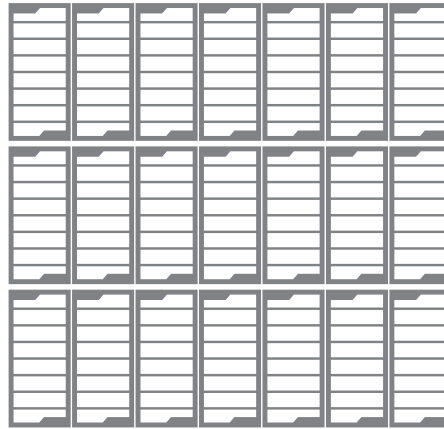


SanDisk® Powered Software Stack

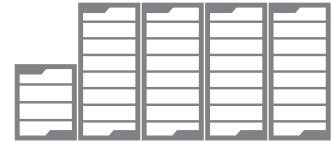


High IOPS Adapter

Subscriber Footprint Before



Subscriber Footprint After



Database Servers

- Hundreds of 4U primary database servers
- 2U direct-attached storage array on each server
- Consolidated x3850 X5 database servers 3:1
- Stored all business data on High IOPS Adapters
- Eliminated DAS arrays

Contact Information

sales-lenovo@sandisk.com

Western Digital Technologies, Inc.

951 SanDisk Drive
Milpitas, CA 95035-7933, USA
T: 1-866-744-2165

Western Digital Technologies, Inc. is the seller of record and licensee in the Americas of SanDisk® products.

For more information, please visit:

www.sandisk.com/lenovo

SanDisk®

a Western Digital brand

At SanDisk, we're expanding the possibilities of data storage. For more than 25 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.

The performance results discussed herein are based on internal JD.com testing and use of Fusion ioMemory products. Results and performance may vary according to configurations and systems, including drive capacity, system architecture and applications.

© 2014 - 2016 Western Digital Corporation or its affiliates. All rights reserved. SanDisk and the SanDisk logo are trademarks of Western Digital Corporation or its affiliates, registered in the U.S. and other countries. Fusion ioMemory and ioDrive are trademarks of Western Digital Corporation or its affiliates. Other brand names mentioned herein are for identification purposes only and may be the trademark(s) of their respective holder(s). JD_Lenovo_casestudy 06.29.16