



Throughout our day
**WE OFTEN TAKE DATABASES
FOR GRANTED.**
**HERE IS A DAY IN THE LIFE OF YOUR
DATABASES!**



7:00 AM



**WAKE UP AND CHECK
THE WEATHER**
Thank a Database!



7:15 AM

**TURN ON SPOTIFY OR
PANDORA WHILE YOU
GET READY**
Thank a Database!



7:40 AM

**READ WORK EMAIL
ON PHONE**
Thank a Database!



7:45 AM

**CHECK FACEBOOK
UPDATES**
Thank a Database!



8:00 AM

SWIPE TRAIN CARD
Thank a Database!



8:05 AM

**WATCH YOUTUBE
DURING RIDE**
Thank a Database!



8:20 AM



**BUY SOME COFFEE
AT A LOCAL CAFE**
Thank a Database!

8:30 AM

**CHECK STOCK
MARKET OPENING**
Thank a Database!



**That's 9 databases
in the first
90 minutes of
your day!**

**OH, THE WONDERFUL
THINGS DATABASES DO!**

**DATABASES CONNECT US TO
EVERYTHING, INCLUDING:**



**SOME OF TODAY'S MOST POPULAR
DATABASES INCLUDE:**

Microsoft SQL Server | Oracle MySQL | MariaDB |
Percona Server | MongoDB | Cassandra | SAP HANA

VERY BIG DATABASES



**THE U.S. LIBRARY
OF CONGRESS**
expands by **10,000** items per day.

It would take **91 million** years to watch every
YouTube video



Over **1 billion Facebook** users,
about **1/7** of Earth's population, have added information
to the databases of the world's largest social network



UPS saves \$30 - \$50 million
annually by optimizing delivery routes from
a database of **250 million** addresses.



Data Growing
Every **2 years**, the world's data
doubles in volume

Thank your DBA!
Over **110,800** database administrators
in the **US** keep our applications running smoothly.



**FUSION IOMEMORY
ACCELERATES DATABASES,**
meaning you can get more out of your favorite applications,
like **Facebook, Pandora, Spotify, Yelp**
and many others that rely on ioMemory for performance!

SanDisk®

Learn more at www.sandisk.com/business/datacenter/solutions/database

Reference:
<http://www.freerepublic.com/focus/f-chat/2508070/posts>
<http://www.youtube.com/yr/press>
<http://en.wikipedia.org/wiki/Facebook>

Reference:
<http://www.pressroom.ups.com/pressroom/content/media/image/ORION%20Infographic.pdf>
<http://www.businesswire.com/news/home/en/Data-Protection-Index-Finds-Accelerating-Backup#UWy-eF5129p>
<http://jobs.moster.com/vit.aspx>

The Story of Fusion ioMemory

PCIe Application Accelerators

Fusion ioMemory™ technology has been transformative from its beginning. From servers to storage, Fusion ioMemory technology has helped deliver the world's data, faster.

SEPTEMBER
2007

Fusion ioMemory technology is born.

THE PERFORMANCE OF
**HUNDREDS OF HARD DRIVES
PACKED INTO A
SINGLE PCIe CARD**

MARCH
2009

Fusion ioMemory ioDrive Duo® card is introduced.

THE NEW CARDS BOAST
**2X PERFORMANCE
AND DENSITY**
of the original ioDrive card.

OCTOBER
2011

Fusion ioMemory ioDrive 2 card
offers even greater performance density.

3TB OF FLASH IS SQUEEZED ONTO A
6 OZ. CARD THAT PERFORMS
1.1 MILLION WRITE IOPS

NOVEMBER
2011

Four Fusion ioMemory ioDrive 2 cards achieve
1.11 MILLION TRANSACTIONS PER SECOND
in a Microsoft SQL Server database.

THIS IS LIKE RUNNING ALL GLOBAL
CREDIT CARD TRANSACTIONS FROM A
SINGLE SERVER

JANUARY
2012

Fusion ioMemory technology breaks the
1 BILLION IOPS BARRIER at the DEMO conference.

Software and hardware innovation combine to push
**1 BILLION IOPS
FROM ONLY 8 SERVERS**

APRIL
2014

THE NON-VOLATILE MEMORY FILE SYSTEM
is highlighted for MySQL databases.

The new technology increases
transaction throughput by over **2X**

**PLUS BOOSTS USABLE FLASH MEMORY
CAPACITY UP TO 50%**

JUNE
2014

**FUSION IOMEMORY TECHNOLOGY IS USED BY
LEADING ENTERPRISE
SERVER SYSTEM VENDORS.**

The technology helps OEM and alliance partners
drive real-time business acceleration.

JULY
2014

Fusion ioMemory PX600 and SX300
PCIe application accelerators are introduced.

THE NEW CARDS BOAST CAPACITIES OF UP TO
6.4TB OF FLASH
IN THE PALM OF YOUR HAND.

JULY
2014

**FUSION-IO
JOINS
SANDISK**

With the addition of Fusion ioMemory technology,
SanDisk offers the broadest portfolio of storage
solutions in the industry.

JANUARY
2015

More than
250,000
Fusion ioMemory Products installed worldwide.

7,000
Customers rely on ioMemory to help transform their business.

TODAY

Fusion ioMemory SX350
PCIe application accelerator delivers

SPEED AND RELIABILITY WITH
SANDISK NAND.

The new generation of Fusion ioMemory cards delivers
faster performance while being more cost effective.

SanDisk

To learn more about how Fusion ioMemory PCIe devices can accelerate
your business, visit www.sandisk.com/business/datacenter/solutions

The performance results discussed herein are based on internal testing and use of Fusion ioMemory products. Results and performance may vary according to configurations and systems, including drive capacity, system architecture and applications.
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WELCOME TO A FLASH-TRANSFORMED SQL SERVER.

GET TEN TIMES AS MUCH OUT OF SQL SERVER

A 10x or better overall improvement in SQL performance? That is what 23% of IT organizations achieved by adding Fusion ioMemory application accelerators to the SQL Server deployments. And 70% saw response time improve by more than 50%. Read more.



DOWNLOAD WHITE PAPER

UNLEASH IN-MEMORY DATABASE FROM I/O CONSTRAINTS

An in-memory database can process an order of magnitude more transactions per day, delivering greater business productivity. Fusion ioMemory PCIe flash solution further enhances SQL Server In-Memory OLTP performance by alleviating critical I/O bottlenecks.



DOWNLOAD WHITE PAPER

» Download these papers and check out more at www.sandisk.com/business/datacenter/solutions/database «

TRY IT FOR YOURSELF

See how SanDisk can enable you to unleash the power of SQL Server. Go to www.sandisk.com/45daytrial to see if you qualify for a **FREE 45-DAY SQL SERVER ACCELERATION WITH FUSION ioMEMORY TRIAL.**

SanDisk®



WHEN MILLISECONDS MAKE ALL THE DIFFERENCE
TO THE BOTTOM LINE, REAL-TIME ACCESS TO
CHANGING MARKET DATA IS A NECESSITY.



INVEST IN SANDISK FLASH SOLUTIONS
AND ACCELERATE TIME-TO-INSIGHT.

52,440	51,580	51,580	50,470	51,110	-	13,03	53	1,629	1,609	1,772	1,585	1,746	+	0,13
32,580	32,180	32,905	31,795	32,905	+	0,325	113	23,190	22,400	25,250	22,220	25,205	+	2,0
103,900	102,500	104,350	100,760	104,350	+	0,450	81	9,620	9,560	10,155	9,330	9,811	+	0,1
41,980	41,405	42,760	41,295	42,760	+	0,780	9							
23,050	22,705	23,645	22,030	23,575	+	0,525	23							
17,515	17,375	18,200	17,325	18,200	+	0,685	6	39,285	38,965	40,045	38,450	40,045	+	0,7
93,520	92,400	92,890	90,680	92,890	-	0,630	15	25,165	25,055	25,660	25,055	25,365	+	0,2
								4,050	4,065	4,174	4,030	4,162	+	0,11
								39,650	39,745	39,745	39,300	39,300	-	0,35
9,182	9,150	9,323	8,997	9,311	+	0,129	43							
19,840	19,880	20,025	19,880	20,025	+	0,185	2							
9,316	9,325	9,730	9,129	9,717	+	0,401	50	2,490	2,474	2,560	2,430	2,530	+	0,04
3,694	3,669	3,747	3,640	3,729	+	0,035	7							
40,560	40,335	41,620	40,190	41,620	+	1,060	4	32,580	32,180	32,905	31,795	32,110	+	0,32
								51,580	50,470	50,470	50,470	50,470	+	0,45
								102,500	102,500	102,500	102,500	102,500	+	0,78
								41,980	41,980	42,760	41,295	42,760	+	0,52
								102,500	102,500	100,760	104,350	23,575	+	0,68
								17,515	42,760	18,200	17,325	23,575	+	0,68
								22,705	92,400	22,890	23,580	18,290	-	0,63



Welcome to a flash-transformed data center.

Despite lower budgets, the need for real-time access to data has only increased, along with demands on IT. But with SanDisk SAS SSDs and a flash-transformed data center, your clients can accelerate price/performance 100x. A win-win solution that benefits everyone. That's why SanDisk has been expanding the possibilities of storage for over 25 years. sandisk.com/business/datacenter/solutions

SanDisk®

Source: *As compared to 10k RPM SAS HDD with 184 Read IOPS performance and published pricing as of January 20, 2015. © SanDisk Corporation 2015. All rights reserved.



Real-time access to changing market data is a necessity.

Invest in SanDisk PCIe flash solutions to boost price/performance.



52,440	51,580	51,580	50,470	51,110	-	13,03	53	1,629	1,609	1,772	1,585	1,746	13		
32,580	32,180	32,905	31,795	32,905	+	0,325	113	23,190	22,400	25,250	22,220	25,205	+	0,1	
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17,515	17,375	18,200	17,325	18,200	+	0,685	6	25,165	25,055	25,660	25,055	25,365	+	0,2	
93,520	92,400	92,890	90,680	92,890	-	0,630	15	4,050	4,065	4,174	4,030	4,162	+	0,1	
								39,650	39,745	39,745	39,300	39,300	-	0,3	
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								51,580	50,470	51,110	50,470	51,110	+	0,45	
59,100	58,500	65,040	57,450	65,040	+	5,940	133	102,500	102,500	104,350	100,760	104,350	+	0,78	
81,040	79,320	84,420	78,600	84,420	+	3,380	42	41,980	41,980	42,760	41,295	42,760	+	0,52	
30,090	29,880	31,905	29,430	31,905	+	1,815	15	102,500	102,500	104,350	100,760	104,350	+	0,68	
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sandisk.com/business/datacenter/solutions

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