



# Tramada Delivers 60x Faster Business Intelligence with One-Third the Footprint

## Solution Focus

- MySQL
- Cloud Computing/SaaS
- Business Intelligence

## The SanDisk® Solution

Ensure real-time business intelligence by moving active data off disks in MySQL servers and onto Fusion ioMemory™ ioDrive® devices.

### Results

**60x** faster report times

**3:1** consolidation

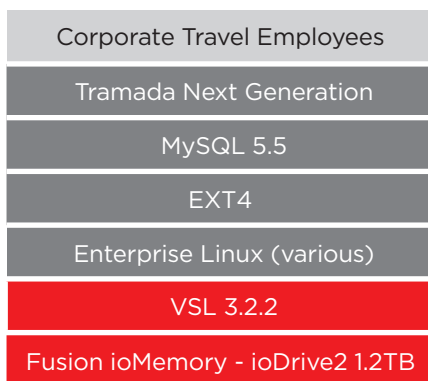
**Reduced energy consumption** by 2 kilowatts per rack

## The Bottom Line

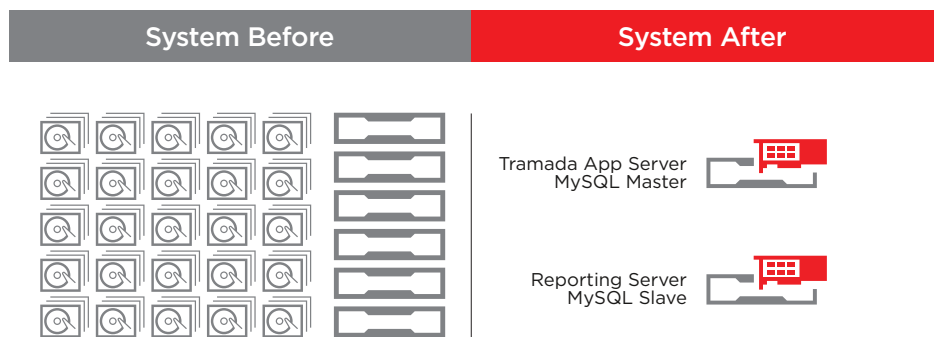
With the SanDisk solution, Tramada achieved a high-performance system.

- Created a real-time intelligence platform to increase customer insight and productivity
- Heightened concurrency to ensure high service levels under load
- Reduced co-location costs
  - 3:1 footprint consolidation
  - Reduced energy costs

## SanDisk Powered Software Stack

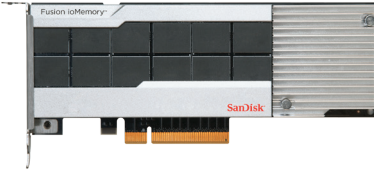


## System Overview



- 6 x 2U servers
- OS: Enterprise Linux
- Applications: MySQL 5.5
- Hard disks: 6 x 15K RPM SAS disks in RAID 0

- Consolidated to 2 x Dell R620 servers (upgrade), dual 16-core Intel E5-2690 processors @ 2.90GHz 256GB RAM
- Moved active data off hard disks and onto ioDrive2 1.2TB device in servers



Fusion ioMemory™ - ioDrive®2

## About Tramada

Tramada Systems is a privately owned independent technology company based in Sydney, Australia. They are a leading provider of technology to the travel industry, delivering innovative operational and reporting solutions for users in Australia & New Zealand.

Tramada is a 'front' and 'mid' office travel management system designed to cater to both the corporate and leisure markets. It is fully integrated, modular and interfaces with the GDS. Its commitment to its clients is to deliver productivity improvements whilst maintaining data integrity. Tramada is a constantly evolving system which is upgraded every month at no additional charge to reflect industry changes and client demands.

*"Dell and SanDisk have delivered a simple, elegant, and very effective solution that allows us to deliver real-time intelligence to our customers, even as rapid growth increases data set size and query complexity."*

*"Now our customers get real-time reporting on travel information for the most complex queries, over the largest data sets, even during peak hours. This improves our end customers' productivity and allows them to gain insights previously not possible."*

**Jakob V Bergmann, IT Services Manager, Tramada**

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

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# SanDisk®

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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 Tramada 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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