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

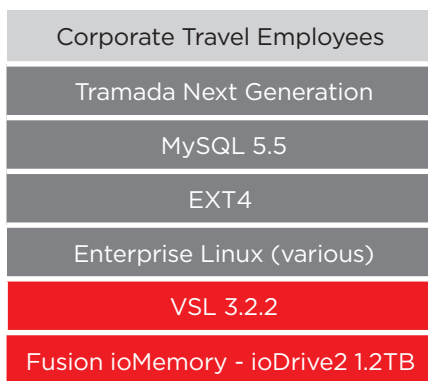**60x** faster report times

3:1 consolidation

Reduced energy consumption by 2 kilowatts per rack
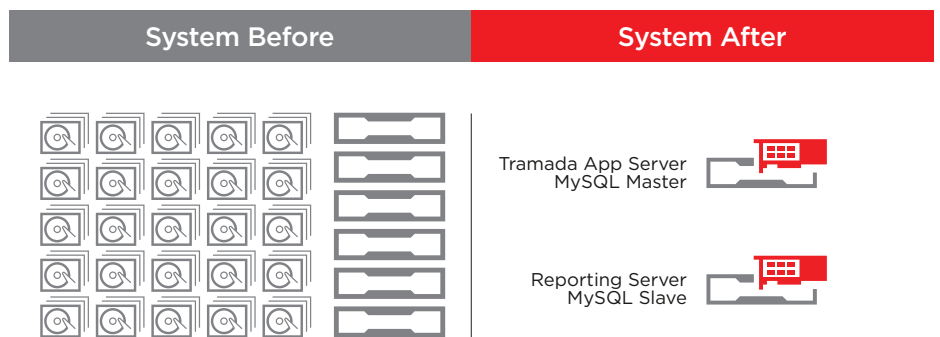
The Bottom Line

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
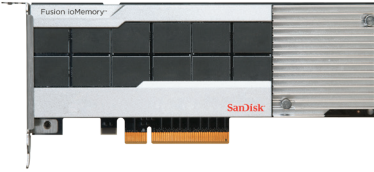 - Reduced energy costs

SanDisk Powered Software Stack

Corporate Travel Employees
Tramada Next Generation
MySQL 5.5
EXT4
Enterprise Linux (various)
VSL 3.2.2
Fusion ioMemory - ioDrive2 1.2TB

System Overview

System Before	System After

Tramada App Server
MySQL Master

Reporting Server
MySQL Slave

- 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 servers, 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.

"SanDisk has 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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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.