

Sun Systems for MySQL Virtualization Next-Generation Web Solution Brief

As demand for access to Web services explodes, IT infrastructures are coming under increasing pressure to help support business objectives by bringing new innovations to market, coping with rapid increases in new user demand, and staying flexible enough to deal with the unexpected. In the short term, datacenter managers are adding more servers and storage to cope. However, such growth comes at a cost: organizations face increased requirements for cooling, power, and floorspace and growing complexity.

MySQL, the world's most popular open-source database, enables the delivery of the majority of new Web services. Organizations that want to grow their Web-based services efficiently need to consider how to scale for excellent performance within economic and physical constraints.

Organizations that have consolidated with Sun Systems for MySQL Virtualization have seen close to 5x higher MySQL throughput and 10x improvement in price/performance using 4x less power and space, all while simplifying management and creating a more reliable and agile infrastructure.

Sun Systems for MySQL Virtualization is relevant to all MySQL users who are struggling to keep up with demand, regardless of their current infrastructure.

By combining Sun systems with CoolThreads™ technology, running the Solaris™ Operating System, with Sun Open Storage technologies, MySQL Enterprise™ subscription, and support services, this solution enables users to virtualize, consolidate, and scale their MySQL-based Web services for breakthrough eco efficiency and cost effectiveness at the highest volumes.

Highlights

- Scale to meet growing demand for MySQL-based Web services
- Reduce power, cooling, and space requirements through virtualization and consolidation
- Achieve breakthrough eco efficiency and cost effectiveness at the highest volumes
- Simplify administration and improve ROI

With Sun Systems for MySQL Virtualization, customers are achieving massive returns and gaining greater agility to drive new services.

Sun's approach to cost-effective and eco-friendly scaling of MySQL-based Web services is to virtualize and consolidate MySQL implementations, enabling datacenters to:

- Economically overcome power, cooling, and space constraints
- Create an eco-efficient infrastructure
- Improve business agility while meeting SLAs
- Free resources and budget to focus on new services
- Improve ROI on new Web-based services

MySQL Enterprise subscription is the only all-in-one subscription that covers production support, monitoring tools, and MySQL database software, helping deliver optimal performance, reliability, security, and uptime.

Sun Services include the Sun™ Eco Services Suite, Sun Virtualization Consulting Services, technical assistance for developers, hardware warranty upgrades, installation services, and Solaris™ 10 Subscriptions.

It just works. That's what you like about MySQL. But scaling your MySQL infrastructure to meet the explosive demand for new Web services is getting tougher than ever. Now, straight from the source that brought you MySQL, comes Sun Systems for MySQL Virtualization — designed to help you scale your MySQL deployments for monumental success while providing the eco efficiency, flexibility, and agility you need to optimize your infrastructure.

Proven successes for demanding businesses

Sun Systems for MySQL Virtualization is already proving its worth in fast-moving, innovative enterprises requiring greater throughput and lower costs.

DigiTar

Messaging services innovator DigiTar achieved 10x improvement in price/performance by consolidating its existing MySQL platform on eight HP x86 servers to two Sun servers with CoolThreads technology.

Fotolog

The world's largest photo-blogging community, Fotolog, achieved 3x higher transaction volumes while consuming 3x

less power and space by consolidating its MySQL infrastructure to Sun systems with CoolThreads technology.

GlassesDirect

GlassesDirect, the largest online retailer of prescription glasses, consolidated its existing MySQL infrastructure to Sun systems with CoolThreads technology, achieving 3x improvement in site performance and improving reliability from 98 to 99.8%. The company also reduced hosting costs because it needed three fewer servers.

Zhengtu Network Technology, Ltd.

The third largest online gaming company in China, Zhengtu Network Technology, Ltd., with 40 million registered users, consolidated Apache Tomcat and MySQL database on Linux to GlassFish™ application server and MySQL database on Sun systems with CoolThreads technology running the Solaris OS. The company achieved 50% higher performance and improved reliability.

Lifetouch

Lifetouch, the largest employee-owned photography company, consolidated its MySQL image store to Sun systems with CoolThreads technology running the Solaris OS, to reduce total cost of ownership, improve ROI time by 60%, and increase uptime to 99.9996%.

Why Sun?

Green credentials — Sun was one of the first to focus on greening the IT infrastructure. Sun CoolThreads technology has been available since

2005 in Sun's UltraSPARC® T1 and T2 processors. The company was called "The greenest computer company under the sun" by *Fortune* magazine, and is #19 on the list of *CRO's* 100 Best Corporate Citizens 2008.

Success available for replication —

Published best practices direct from Sun's engineers enables MySQL users to replicate our successes in their own environments.

Commitment to open source — Sun is the largest commercial contributor to open-source communities.

Leadership performance — Sun is committed to continuing to optimize MySQL on multiple platforms, including Windows, Linux, and Solaris. Sun continues to optimize the Solaris OS for Oracle, Sybase, and PostgreSQL, as well as MySQL.

Global support

Sun provides global enterprise support that delivers innovation and choice.

Learn more

To get more information about Sun Systems for MySQL Virtualization and find out how you can try Sun's eco-efficient servers with CoolThreads technology and MySQL Enterprise by taking advantage of our free, 60-day trial offer, visit sun.com/mysqlvirtualization.

Sun Startup Essentials™ program

Helping young, next-generation Web businesses get off the ground, the Sun Startup Essentials™ program offers advice, training, and valuable discounts.