

Sun™ and MySQL™ Database Software

Open, fast, and globally supported



Highlights

- MySQL™ database software is the world's most popular and fastest growing open-source database — serving some of the world's largest online communities.
- Sun's acquisition of MySQL AB implies a significant R&D infusion, and global enterprise support for MySQL means that organizations worldwide can take advantage of Sun and MySQL community innovation — with less risk.
- Running on over 20 platforms, MySQL database software will remain open, fast, and easy to use, through online and community participation.
- MySQL performance leadership on Sun continues, with enterprise-class Sun x64 servers and blades, UltraSPARC® T2 CMT servers with up support for up to 64 threads, and an optimized AMP stack (Apache, MySQL, and PHP/Perl) for the Solaris™ Operating System (Solaris OS).



The growing trend toward open source software and its usefulness for building large-scale online services is undeniable. Across many industries, these networked services have become the foundation on which many companies have built new and vibrant communities, and become more efficient, productive, and profitable. Open source MySQL™ database software is at the heart of many of these successful stories. From the smallest startups to the best known and established firms, this fast and full-featured database lets organizations build and scale their operations — with a product that is both easy to use and cost-effective.

The open database for the online world

Myriad organizations worldwide use MySQL database software to cost-effectively scale-out their database infrastructure. These companies appreciate the value of an open-source database, but also require a robust product that can support large amounts of traffic and scale transaction volumes effectively. As the world's most popular open-source database, MySQL database software delivers powerful features and functionality at a fraction of the price of its competitors.

MySQL database software is recognized as a robust, multiuser, multithreaded Structured Query Language (SQL) database server designed to maximize speed and reliability. Sun estimates that MySQL software can lower the total cost of ownership of database software by reducing licensing costs by over 80 percent and cutting systems downtime by up to 80 percent. At the same time, MySQL database software can lower hardware expenditure by up to 70 percent and reduce administration, engineering, and support costs by up to 50 percent.

Enterprise-class Sun service and support

With Sun's acquisition of MySQL AG, Sun is building on the outstanding strengths of the MySQL community, and introducing global enterprise-class support and MySQL services.

This bold initiative lets organizations worldwide take advantage of Sun and community innovation with mission-critical support — gaining vast scalability on their choice of platform with less risk and cost. Sun is also committing considerable assets and R&D resources to accelerating the scalability and performance of the MySQL database on all platforms, for the benefit of the entire global MySQL community.

Industry-leading performance

At the same time, Sun provides, and will continue to provide some of the best-performing MySQL solutions available on a choice of operating systems, including the Solaris™ Operating System (Solaris OS), Linux, and Microsoft Windows — as well as various virtualization environments. Sun's broad family of Sun Fire™ rackmount servers and Sun Blade™ modular systems support the fastest Intel™ Xeon™, AMD Opteron™, and SPARC® processors available. In addition, Sun's innovative UltraSPARC® T2 chip multithreaded (CMT) servers offer the ability to run up to 64 threads on a single server. Sun also remains active optimizing MySQL database software and MySQL Network for the Solaris OS, as it looks to clustered solutions to provide high-availability solutions to meet organizations' most demanding availability needs.



Outstanding MySQL performance on Sun

Sun is committed to performance and scalability for MySQL database software, no matter what the platform. Sun's own software and hardware platforms remain a key focus for delivering the best MySQL database performance possible.

Enterprise-class x64 platforms

When databases represent a firm's most important business, robust systems are essential. With a long history serving enterprise customers, Sun's broad x64 product family features balanced performance and I/O to meet the strenuous demands of mission-critical database systems. Sun Fire rackmount and Sun Blade modular systems also provide essential datacenter features such as hot-swappable redundant components, redundant power supplies, and efficient power and cooling.

Highly-scalable UltraSPARC® T2 CMT platforms

Single-system database scalability is important for some critical database applications. For these applications, Sun's systems based on CoolThreads™ chip multithreading (CMT) technology can provide massive single-system scalability, supporting up to 64 threads on a single server. Running the enterprise-proven Solaris OS, CMT systems are available in both rackmount and blade server form factors.

Optimized MySQL binaries for the Solaris™ OS

Many emerging Web and e-commerce companies want free and easy access to a complete open-source application stack for deploying their services and applications.

The so-called LAMP stack (for Linux, Apache, MySQL, and PHP/Perl) has gained considerable traction against proprietary alternatives. To speed deployment of the most commonly used open-source applications, Sun provides *Cool Stack*, a free collection of these applications binaries, optimized for the Solaris OS on both x64 and SPARC platforms. By using Sun Studio 12 compilers with key optimizations, Cool Stack binaries can achieve performance improvements of from 30- to 200-percent over standard GCC-compiled binaries.

MySQL Cluster

MySQL Cluster can cost-effectively deliver "five nines" availability using a parallel server architecture with no single point of failure. Organizations can reap the performance and high throughput required for the most demanding enterprise applications, and can incrementally scale their applications as needs grow. In addition, MySQL Cluster has a flexible distributed architecture that provides complete control over the level of performance, reliability, and scalability needed to match application requirements.

Solaris Cluster HA Data Service for MySQL

On Solaris-based platforms, the combination of MySQL and Solaris Cluster software provides a low-cost, high-availability (HA) database offering, yielding high-end services, robustness, and security at competitive prices. With the very high levels of availability and security provided by Solaris Cluster software and the Solaris OS, organizations can confidently deploy MySQL database software in the datacenter for their most critical applications.

Learn More

Try the world's leading open-source database by downloading MySQL database software from:
mysql.com/downloads

For more information on related Sun products, please see:
sun.com/x64, sun.com/coolthreads,
sun.com/servers/blades, and
cooltools.sunsource.net/coolstack

MySQL Network

MySQL Network is a comprehensive set of software, support, and proactive services that saves enterprise developers and DBAs time and effort. MySQL Network includes everything an enterprise needs to be successful using MySQL, database software including:

- Certified software that meets the highest level of quality testing for maximum uptime and fast performance
- MySQL advisors that proactively eliminate problems before they occur
- Production support directly from MySQL support engineers worldwide

MySQL Enterprise Connection Alliance Program (MECA)

The MySQL Enterprise Connection Alliance program (MECA) was created to support businesses that sell, service, support or build solutions on MySQL Enterprise or provide solutions based on MySQL database technologies. For more information, please see: solutions.mysql.com/partners