



## Sun Systems for MySQL

Get the ease of MySQL deployments  
all under one roof

### Open-source economics meet Tier 1 innovation and expertise

You already know that MySQL is the database of choice for the network economy. Its open-source innovation — and low TCO, administration, and deployment costs — combined with its massive scalability and its ability to handle truly huge levels of traffic have made it the world's most popular open-source database for top Web destinations such as Google, Yahoo, Facebook, Flickr, and many others.

storage and backup, there's a solution that can help you reduce costs, simplify management, and compete more effectively.

It's the best of both worlds — all the flexibility and cost benefits that come with open-source MySQL, combined with the simplicity of getting innovation, support, expertise, and services from a Tier 1 provider. So you can deploy in MySQL with the same confidence as you would deploy a proprietary database — at a fraction of the price.

### Highlights

- Up to 3x performance with 3x less power and space, at up to half the cost
- Increase MySQL™ price/performance 10x
- Improve MySQL performance over 50%, regardless of operating system (OS)
- Ease MySQL multitier deployment, reduce costs and risk
- 3x denser storage, ideal for rich media
- Comprehensive, enterprise-ready, and cost-effective backup-and-recovery mechanism for MySQL
- Sun is the only provider exploiting advances in system design to deliver the best Web infrastructure
- MySQL and Sun systems expertise under one roof

It's the best of both worlds — the flexibility and cost benefits that come with open-source MySQL, combined with the simplicity of getting performance innovation, support, expertise, and services from a Tier 1 provider — all under one roof.

By working with Sun Microsystems, the same organization that brings you MySQL, you can deploy onto award-winning solutions that deliver up to 3x performance, making it simpler and easier as well as more scalable, more powerful, and more efficient. And you still can maintain the low-cost model of MySQL compared to proprietary solutions.

Sun is now the source for MySQL, and our end-to-end solutions of systems, software, and services enable you to better meet the requirements of every stage of the MySQL lifecycle. So whether you need to deploy with maximal performance, scale for rapid and sudden growth, virtualize and optimize for increased scale and efficiency, or add

In case you need more proof that Sun is thinking differently about the future of IT, here it is.

### Open source — the future is now

At Sun, we believe that open source is the future. Every year, more and more enterprises are moving to open-source software to bring their applications onto the network. From the perspectives of cost, performance, enterprise-grade capabilities, and customization, open source just makes sense for network-based enterprises — both proven and new.

### MySQL and Sun: Do the math

By deploying MySQL on Sun systems, you'll see significant improvements in performance, scale, and efficiency.

- Achieve up to 3x higher transaction volumes with 3x lower power and space requirements.
- Improve availability from 98% to 99.99%.
- Accommodate more than 1,000% year-on-year growth.
- Scale to support more than one million concurrent users.
- Take advantage of Sun Open Storage with 2x better price/performance, 2x times better storage density, and 10x the capacity of competitive offerings.
- Take your application to network scale for 40x lower cost and 25x better price/performance than proprietary stack.

When it comes to open source for business, Sun is leading the way. We are the world's largest contributor of open source and have contributed everything from the OpenSolaris™ OS — the world's leading enterprise OS for the Web — Project GlassFish™ application server, NetBeans™ IDE, and more. And we're the major participants in other open-source communities, such as OpenOffice, the Liberty Alliance, Mozilla, GNOME, Java™, and X.org, to name just a few.

In early 2008, we took things to a new level — we acquired MySQL, the leading open-source database worldwide, essentially investing \$1 billion in the “M” in LAMP stack.

With the engineering resources of MySQL and Sun together under one roof, we're able to think differently about the evolution of Web infrastructure. We've been working to deliver Sun systems, services, and repeatable best practices that enable you to get the most out of MySQL with ease of use, performance, scalability, and efficiency. And now we're offering end-to-end solutions that support enterprises at every stage of the MySQL-based Web service lifecycle.

What does this mean for you? It means you can reduce risk and deploy with confidence, enjoying the cost benefits and convenience of the world's most popular open-source database together with enterprise-class service and support. It means you can scale massively — up to one million concurrent users — and handle 1,000% year-on-year growth. It means you maintain total choice — of OS, of microprocessor, of platform — so that you have the flexibility to do what's best for your organization now and in the future.

It means you can reduce costs, by lowering your datacenter space, power, and cooling requirements with Sun's more efficient servers. And it means the best is yet to come, as we continue to invest in research and development to take MySQL to the next level of performance and scale.

### Sun Systems for MySQL x86 Performance

When it comes to new network-based applications, the first one to go live and build the community wins. But you have to get it right, delivering high performance and consistency out of the gate. If users can't depend on your site or your service, they'll go elsewhere — and fast.

By using Sun Systems for MySQL x86 Performance, you can develop and deploy a new application quickly and get more than a 50% boost in performance, while reducing the size of your database by nearly 40% — regardless of the OS you choose. The solution includes the MySQL database with a Sun Fire™ x86/x64 server, a MySQL Enterprise subscription, and Sun professional services, plus optional Sun Open Storage. It delivers price/performance that no other system can match, and takes up one-third less datacenter space too. So if you need pure, unbridled performance at launch, this is where to turn.

### Sun Systems for MySQL Multitier Deployment

When success comes on the network, it can come quickly — you can face traffic growth of many orders of magnitude in months and weeks. You need to be able to scale quickly to accommodate this growth, while maintaining performance — and you need to be able to keep costs low while you do it.

Sun Systems for MySQL Multitier Deployment are an integrated, proven set of best practices for scaling across multiple nodes with a minimum of redevelopment effort. Including preoptimized, preintegrated, AMP-stack software components and a reference implementation for Web 2.0 services for your developers to openly experiment, test, and learn with published best practices, the Web 2.0 Scalable Performance Toolkit can enable you to grow your infrastructure while reducing complexity, maintaining performance levels, and controlling costs.

### Sun Systems for MySQL Virtualization

When you need to scale efficiently with a view toward long-term savings, or have a datacenter that you want to optimize to reduce space, power, and cooling requirements, you're looking for the advantages offered by consolidating and virtualizing your Web infrastructure.

Sun Systems for MySQL Virtualization combine the MySQL database with record-setting Sun CoolThreads™ technology-based servers, Sun Open Storage, a MySQL Enterprise subscription, and Sun professional services — plus fast, free, and open Solaris Containers and hypervisor virtualization. Together, these systems can deliver close to 5x higher throughput for one-quarter the power and space, and deliver 10x better price/performance. It's all about doing more in less space — with less power and cooling — through more powerful, more efficient servers. And with this simpler application management, you'll get greater agility, making it even easier to create the infrastructure that's right for evolving needs.

### Sun Systems for MySQL Rich Media Storage

Rich media — the user-generated content for audio, video, and photos — is likely overflowing your datacenter. For successful enterprises, triple-digit growth rates are not uncommon. You need to boost storage levels and maintain throughput while keeping costs down.

Low cost, high performance, and massively scalable, Sun's Open Storage solutions combine open-source software with industry-standard hardware, so you can keep all data on a single integrated platform — at prices as low as \$1/GB. The deep capacity means you can handle unabated data growth and still have the flexibility to mix and match hardware and software. With more than twice the price/performance of the next best competitor, it truly is breakthrough economics. And it comes with open-source recipes for content management and archiving — for optimization and ease of administration.

### Sun Systems for MySQL Backup

Given the explosion in data volumes and shrinking backup windows, effective archiving and backup has become a major priority. The key is to maintain performance service levels while protecting your data against failure or catastrophe.

Sun Systems for MySQL Backup are the solution. Featuring Zmanda, the open-source backup utility of choice for MySQL, these solutions provide reliable, flexible, and easy backup of single-instance and clustered MySQL databases, whether they're local or remote. And when you run Zmanda on Sun's Open Storage, you

get the business advantages of breakthrough economics: twice the price/performance of the nearest alternative platform. Try it free for 60 days and use Zmanda's ZRM for MySQL Enterprise advanced monitoring tools, support, and best practices for configuration and deployment. It's just one more example of the partnerships and cooperation that make Sun a leader in the evolution of the IT industry.

### Start scaling with ease

Trying out Sun Systems for MySQL is easy — you can use any of them risk-free for 60 days. If you're not happy with the results for any reason, just return the system to us — we'll even pay to ship it back. The 60-day trial offer — twice the evaluation period of the standard trial — also includes MySQL Enterprise Gold and Zmanda ZRM. If you do buy, you can get up to 40% off the price of the system, and 25% off MySQL Enterprise Gold.

Young enterprises might also qualify for Sun Startup Essentials, a program designed to help startups get off the ground fast at the lowest possible cost. It provides industry-leading servers starting at less than \$750, discounted storage, open-source and discounted software, discounted hosting, and free technical advice and training. Membership is free if you qualify.

### MySQL to the max

On the network, opportunities abound. But to truly meet those opportunities and compete effectively, you need to be able to deploy applications quickly, scale rapidly, and keep costs in line.

Sun Systems for MySQL help you solve the toughest challenges of doing business on the Web throughout your application lifecycle — whether you're launching something new, scaling to meet demand, boosting storage, or optimizing for long-term performance and efficiency.

The opportunities are out there on the network. With MySQL and Sun, they can be yours.

