



MySQL Enterprise

The Most Comprehensive Enterprise Database, Monitoring and Support

“With the MySQL Query Analyzer, we were able to identify and analyze problematic SQL code, and triple our database performance. More importantly, we were able to accomplish this in three days, rather than taking weeks.”

Keith Souhrada

Software Development Engineer,
Big Fish Games

The MySQL Enterprise subscription offering includes the most comprehensive set of MySQL database software, monitoring and production support so your business achieves the highest levels of reliability, security and uptime. MySQL Enterprise includes:

- **MySQL Enterprise Server** the most reliable, secure and up-to-date version of the world's most popular open source database
- **MySQL Enterprise Monitor** that continuously monitors your database and proactively advises you on how to implement MySQL best practices
- **MySQL 24x7 Production Support** with guaranteed response times to assist you in the development, deployment and management of MySQL applications

MySQL Enterprise is a unified offering that significantly reduces the risk, cost, and time required in developing, deploying and managing business-critical MySQL applications. Only MySQL Enterprise enables you to:

- Maximize uptime with the most reliable, secure and up-to-date version of MySQL Server Software
- Simplify administration with MySQL Enterprise Monitor

HIGHLIGHTS

- **NEW!** MySQL Query Analyzer
- MySQL Enterprise Server
- MySQL Enterprise Monitor
- 120+ MySQL Advisor Rules
- 600+ Monitored Variables
- 24x7 Production Support
- Emergency Hot Fix Builds
- Monthly Rapid Updates
- Quarterly Service Packs
- MySQL Knowledge Base

- Reduce Database TCO by 90%¹
- Gain in-depth visibility into the health and SQL activity of all your MySQL servers
- Implement MySQL best practices using over 120 MySQL Advisor Rules
- Improve application performance with MySQL Query Analyzer
- Request emergency hot fix builds to ensure key business systems are not interrupted
- Solve your unique application issues quickly with direct access to MySQL Support
- Quickly find answers to technical questions using the comprehensive MySQL Knowledge Base



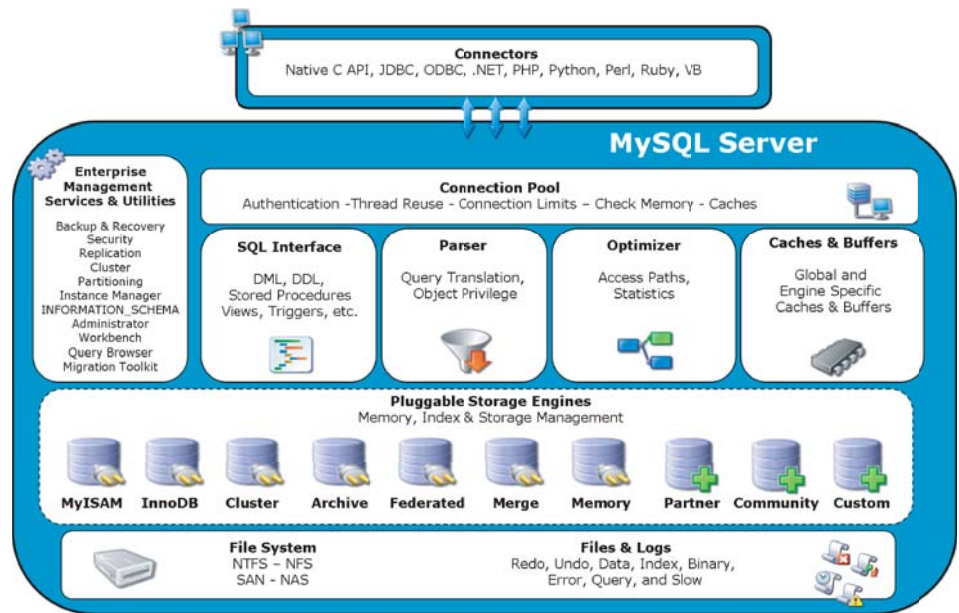
MySQL Enterprise Server

The Most Reliable, Secure and Up-to-Date Version of MySQL Database Software

MySQL Enterprise Server is the most reliable, secure and up-to-date version of MySQL Server software for cost-effectively delivering E-commerce, Online Transaction Processing (OLTP), and multi-terabyte Data Warehousing applications. It is a fully integrated, transaction-safe, ACID compliant database with full commit, rollback, crash recovery and row level locking capabilities. MySQL Enterprise Server delivers the ease of use, scalability, and high-performance that has made it the world's most popular open source database. MySQL also provides a full suite of database drivers and visual tools to help developers and DBAs build and manage their MySQL applications.

MySQL Enterprise Server provides the following advanced features:

- Partitioning to improve performance and simplify management of very large database environments
- Stored Procedures to improve developer productivity
- Triggers to enforce complex business rules at the database level
- Views to reduce the complexity of data while increasing security
- Information Schema to provide easy access to metadata
- Pluggable Storage Engine Architecture for maximum flexibility
- Archive Storage Engine for historical and audit data
- Distributed Transactions (XA) to support complex transactions across multiple databases



MySQL's Pluggable Storage Engine Architecture

Timely Updates & Service Packs

As a MySQL Enterprise customer, you will automatically receive both monthly rapid updates and quarterly service packs with the latest bug-fixes and security updates. These frequent releases ensure that the most reliable, secure and up-to-date version of the MySQL Enterprise Server is always available to you. The Software Update Service automatically notifies you of new rapid updates and service packs by sending you alerts via email, pager, or SMS.

Emergency Hot Fix Builds

In the unlikely event that a critical, business-stopping bug is discovered and has not already been fixed in a service pack, MySQL Enterprise customers can request a special hot fix build that resolves the issue. When mission-critical systems encounter bugs, hot fix builds are invaluable.

MySQL Enterprise Monitor

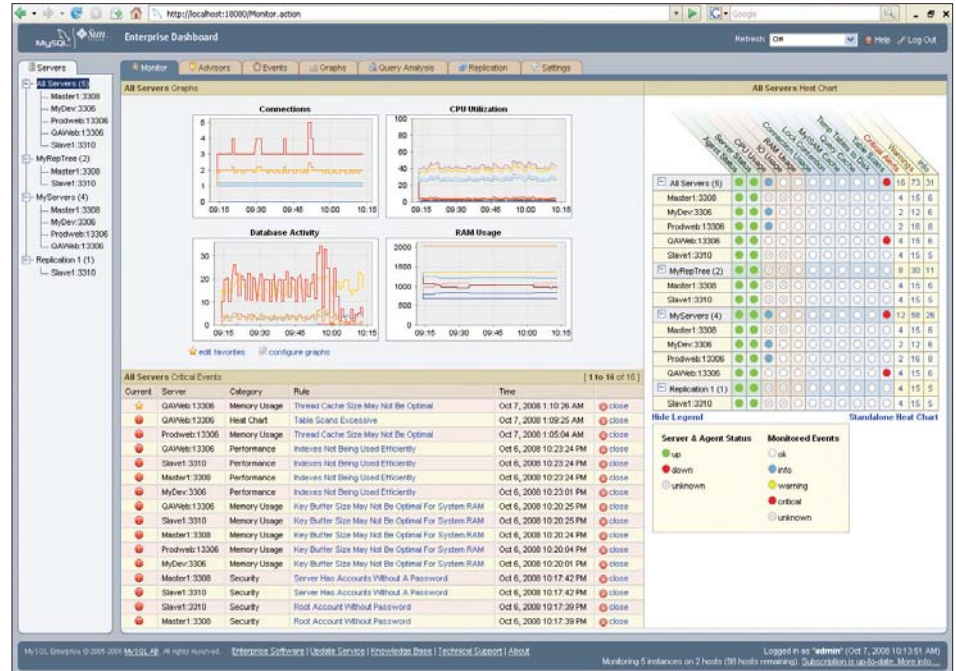
Your Virtual MySQL DBA Assistant

The MySQL Enterprise Monitor continuously monitors your MySQL servers and alerts you to potential problems *before* they impact your system. Its like having a "Virtual DBA Assistant" at your side to recommend best practices and eliminate security vulnerabilities, improve replication, optimize performance and more. As a result, DBAs and System Administrators can manage more servers in less time.

The MySQL Enterprise Monitor includes the following Advisors:

- **Upgrade Advisor** – monitors and advises you on using the most secure and up to date version of MySQL
- **Administration Advisor** – enforces DBA best practices to prevent costly outages
- **Security Advisor** – minimizes exposure to security vulnerabilities

- **Replication Advisor** – recommends solutions for replication setup and performance improvements
- **Schema Advisor** – assists in uncovering database design issues that hurt performance
- **Performance Advisor** – recommends changes to boost database performance
- **Memory Usage Advisor** – monitors dynamic memory related server metrics and recommends configuration changes to improve performance
- **Custom Advisor**– create custom best practice rules tailored to your needs



Easily Enforce MySQL Recommended Best Practices

The MySQL Enterprise Monitor includes over 120 MySQL Advisor Rules that monitor over 600 MySQL and OS-specific variables to help you automatically enforce MySQL recommended database best practices. They deliver expert advice that come straight from the database professionals who build the MySQL database server. The Advisors provide tailored recommendations that communicate step-by-step how to solve a particular problem.

MySQL Enterprise Monitor provides at-a-glance view at the health of your MySQL database servers

Advice is delivered via SMTP and SNMP notification options or can be viewed using the visual Enterprise Dashboard.

MySQL Replication Monitor

The MySQL Replication Monitor provides a real-time replication health and status checks on master/slave performance and latency issues.

MySQL Query Analyzer

The new MySQL Query Analyzer helps developers and DBAs improve application performance by monitoring query performance and accurately pinpointing SQL code that is causing a slow down. Queries are presented in an aggregated view across all MySQL servers so DBAs and developers can analyze their most expensive code by total executions, total run time, total data size and by using drill downs into sampled executions and EXPLAIN results.

With the MySQL Query Analyzer, DBAs can tune the SQL code during active development and continuously monitor the queries in production, making it easier than ever to achieve peak performance on MySQL.

The screenshot shows the 'All Servers Browse Queries' section of the MySQL Enterprise Dashboard. It displays a table with columns for Query, Database, Execution (Count, Total, Max, Avg), Rows, and Bytes. The table lists various SQL queries and their performance metrics across different servers.

Query	Database	Count	Total	Max	Avg	Rows	Bytes
SELECT ruleexecpres0_..._v..._res0_..._variable_id = ? (1)	mem	143,120	22.27	81.3	0.203	0.009	143,120
SELECT emailtarget0_..._r..._rule_schedule_id = ? (1)	mem	190,939	16.34	344	0.203	0.005	0
SELECT hibrulethr0_..._t..._thr0_..._threshold_id = ? (1)	mem	101,058	6.02	844	0.156	0.004	101,058
SELECT members0x0_..._gr..._bers0x0_..._group_id = ? (1)	mem	42,336	6.00	734	0.188	0.009	181,449
SELECT hibemailta0_..._t..._hedules1_..._target_id) (1)	mem	64,384	4.00	531	0.172	0.004	0
AcrossBoth (2)	mem	23,041	3.20	969	0.141	0.009	22,985
ProdWeb:13306	mem	19,468	3.17	703	0.141	0.010	19,410
QAWeb:13306	mem	3,575	3.26	0.016	0.001	3,575	1
SELECT hibnamedgr0_..._g..._amedgr0_..._group_id = ? (1)	mem	42,333	1.44	609	0.172	0.002	42,333
SELECT this_..._instance..._s_..._attribute_id = ? (1)	mem	53,956	1.19	375	0.188	0.001	51,436
SELECT ngsavedstr0_..._i..._Y_end_time_DESC LIMIT ? (1)	mem	29,026	1:16	141	0.172	0.003	29,026
SELECT this_..._instance..._..._instance_name = ? (1)	mem	15,183	1:12	250	0.234	0.005	11,410

MySQL Query Analyzer provides a consolidated view of query activity and execution statistics across all your MySQL servers

24 x 7 Production Support

Enterprise Support to Answer Your Toughest Questions

MySQL Enterprise includes 24x7 technical support services to help you get your toughest questions answered quickly. MySQL Enterprise Platinum includes:

- Unlimited Support Incidents to fix any number of issues
- Emergency response times of under 30 minutes for the most critical problems
- 24x7 Problem Resolution Support to quickly resolve specific problems
- 24x7 Consultative Support where a MySQL Support Engineer will advise you on how to properly design and tune your MySQL servers, schema, queries and replication set-up for better performance
- Comprehensive Knowledge Base with over 1,000 technical articles covering performance, replication, security and more.
- Proactive Account Management gives you the option of having a dedicated Technical Account Manager who ensures you get the most of MySQL Support services.

MySQL support team engineers are database experts and fully understand the real-world issues and challenges you face because they've overcome these same challenges themselves. With direct access to the MySQL support team, your problems will get fixed fast.

MySQL Enterprise: The Smart Choice

MySQL Enterprise is the smart choice for your most important applications. It provides a comprehensive offering of enterprise-grade software, support and services directly from the developers of MySQL to ensure the highest levels of reliability, security and uptime.

With MySQL Enterprise you have the flexibility to choose from multiple tiers (Basic, Silver, Gold, Platinum), to best meet your needs.

To learn more about how you can benefit from MySQL Enterprise, go to www.mysql.com/enterprise.

1 - Guide to Lower Database TCO, MySQL AB, 2006

Partial List of MySQL Enterprise Customers

Alcatel	Los Alamos Natl. Labs
Amazon.com	Lucent
The Associated Press	Lufthansa
Bank of America	NASA
Caterpillar	Nortel
Continental Airlines	NYSE
DaimlerChrysler	Siemens
Deutsche Post	Southwest Airlines
Dow Jones	Time Inc.
Disney	UPS
Ericsson	US Army
Facebook	US Dept. of Defense
Google	US Navy
HypoVereinsbank	Wells Fargo
Lockheed Martin	Yahoo!

Partial List of MySQL Partners

Actuate	JBoss
Alfresco	Novell
Business Objects	Pentaho
Computer Associates	Quest
Dell	Rackspace
Embarcadero	Redhat
GoldenGate	SAP
HP	SugarCRM
IBM	Symantec
Intel	Zend
JasperSoft	Zimbra



The World's Most Popular Open Source Database

Copyright © 2008, MySQL AB. MySQL is a registered trademark of MySQL AB in the U.S. and in other countries. Other products mentioned are the trademarks of their respective corporations.

MySQL Sales

USA Toll Free: 1-866-697-7522

Worldwide: +1-208-514-4780

MySQL Worldwide Offices

North America Headquarters

20450 Stevens Creek Blvd.
Suite 350
Cupertino, CA 95014
+1-425-390-0154 Sales

Worldwide Headquarters

Bangårdsgatan 8
S-753 20 Uppsala
Sweden
+46-730-234-111 Sales

Spain, Portugal, Latin America

+1-425-373-3434

Finland

+358 9 852 1421

Germany, Austria, Switzerland

+49 (0)89 420 95 98 95

United Kingdom

0845 399 1124

Ireland

+353 1 41 796 90

France

+33-1-43-077-099

Italy

+39 06-99268193

Asia Pacific(excluding Japan)

+81-(0)3-5843-1141

Japan

+81-(0)3-5717-5033