

What's New at MySQL?

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MySQL AB

MySQL Community Team

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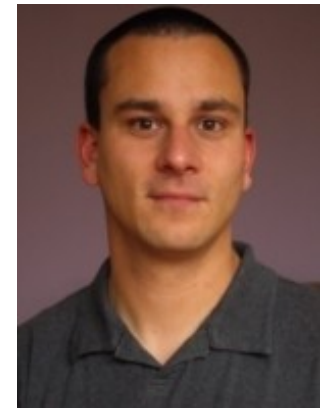
David (Uppsala)



Colin (Melbourne)



Jay (Columbus)



Lenz (Hamburg)

MySQL Community Server 5.0

- MySQL Community Server 5.0.35
 - <http://dev.mysql.com/downloads/mysql/5.0.html>
 - Sources **and** binaries for the usual platforms
 - Based on the 5.0.34 Enterprise release (all bug fixes included)
 - Includes additional community contributions (e.g. `uptime_since_flush_status`, `SHOW PROFILE`), more to come in future releases
 - MySQL AB will continue to provide full (source and binary) releases of MySQL 5.0 Community, plus intermediate source-only releases

MySQL 5.1

- MySQL 5.1.x in Beta-Test (5.1.15)
 - Partitioning: distribute portions of individual tables across a filesystem
 - RBR (Row-based replication), in addition to statement-based replication
 - Plugin API (for Storage Engines & Full Text Search)
 - Event Scheduler: execute SQL statements on defined intervals (similar to cron)
 - Log tables: redirect general query log and slow query log into tables
 - MySQL cluster data on disk, replication between clusters
 - XML functions: extract or update XML elements using Xpath expressions
 - <http://dev.mysql.com/doc/refman/5.1/en/mysql-5-1-nutshell.html>

New Falcon storage engine

- Falcon storage engine now in Alpha testing
 - Download: <http://dev.mysql.com/downloads/mysql/5.2.html>
 - Docs: <http://dev.mysql.com/doc/falcon/en/index.html>
 - New transactional storage engine for MySQL
 - Developed by Jim Starkey
 - True Multi Version Concurrency Control (MVCC)
 - Flexible locking levels and smart deadlock detection
 - Multithreaded to allow multiple transactions and fast transaction handling
 - Transaction-safe (fully ACID-compliant)
 - Advanced B-Tree indexes
 - Scheduled for MySQL 5.2

Pluggable Storage Engines

- New plugin API in MySQL 5.1
 - <http://dev.mysql.com/doc/refman/5.1/en/plugin-api.html>
 - Allows the loading and unloading of server components at runtime (no restart required)
 - Full-text parser plugins supported, more to come
- Pluggable Storage Engines
 - <http://dev.mysql.com/doc/internals/en/custom-engine.html>
 - PBXT: <http://www.primebase.com/xt/>
 - solidDB: <http://dev.soliddb.com/download/>

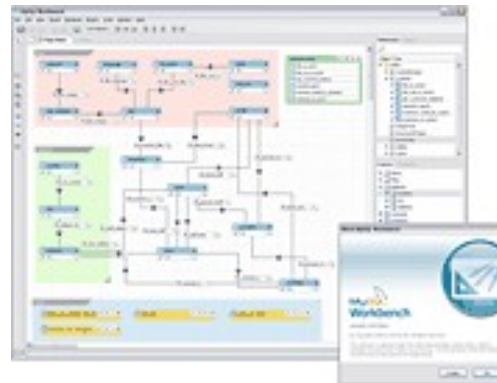
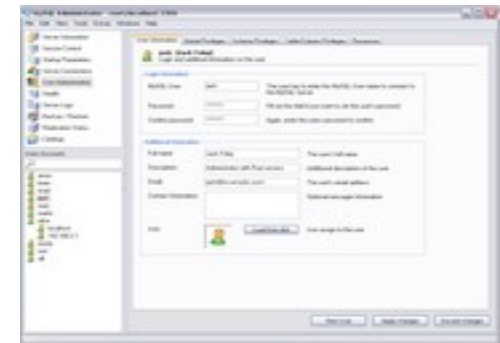
Quality Contribution Program

- Goals
 - Further improving the quality of MySQL products, with the active co-operation of the community
 - Visibly acknowledging the participants by attributing individual quality enhancements to them
 - Rewarding the participants with benefits in proportion to their contribution;
 - Streamline the process of contributing to MySQL Quality for the benefit of both current and future contributors
- Possible Contributions
 - Bug reports
 - Test cases
 - Code patches
- <http://forge.mysql.com/wiki/Contributing>
- <http://dev.mysql.com/qualitycontribution.html>



MySQL GUI Tools

- GUI tools bundle 5.0r9
 - <http://dev.mysql.com/downloads/gui-tools/5.0.html>
 - MySQL Administrator 1.2.9
 - MySQL Query Browser 1.2.9 RC
 - MySQL Migration Toolkit 1.1.9
 - MySQL Workbench 1.1.9 alpha
 - Binaries for Windows, Linux, Mac OS X



Connectors for PHP

- New MySQL native driver for PHP
 - <http://dev.mysql.com/downloads/connector/php-mysqlnd/>
 - New ext/mysqli driver for PHP6 (PHP5 support planned), supports MySQL 4.1 and newer
 - Licensed under the PHP license, does not need MySQL Client library (less hassle with versions)
- MySQLi Converter Tool
 - A collection of PHP scripts that help you upgrade PHP applications using the old PHP mysql extensions to using the newer PHP mysqli extension
 - http://forge.mysql.com/wiki/Converting_to_MySQLi
- MySQL Connector/PHP for Windows
 - <http://dev.mysql.com/downloads/connector/php/>
 - PHP5 driver for win32 (mysql and mysqli extension)
 - MySQL 4.1 and 5.0

MySQL Connectors

- MySQL Connector/ODBC 5.00.11 Beta
 - <http://dev.mysql.com/downloads/connector/odbc/5.0.html>
- MySQL Connector/Net 5.0.3 GA
 - <http://dev.mysql.com/downloads/connector/net/5.0.html>
 - Support for ADO.Net 2.0 interfaces and subclasses
 - Re-architected to improve speed and flexibility
 - Implemented Usage Advisor
 - Implemented asynchronous query methods
 - Implemented stored procedure metadata caching
 - Added PerfMon hooks

MySQL Tools for Visual Studio

- MySQL Tools for Visual Studio 1.1.2
 - <http://dev.mysql.com/downloads/visual-studio-plugin/1.0.html>
 - To build MySQL data-driven applications with MS Visual Studio 2005
 - Create, modify and manage MySQL database objects from within the Visual Studio IDE.
 - Now added support for using the DataSource wizard and the DataSet designer

Events

- MySQL Conference & Expo 2007
- <http://mysqlconf.com/>
- April 23-26, 2007, Santa Clara CA
- Over 110 sessions and Tutorials
- DotOrg-Pavilion
 - dotProject
 - Drupal
 - Joomla!
 - Phorum
 - phpMyAdmin
 - XAMPP
 - many others



MySQL Community Sites

- Downloads/Docs: <http://dev.mysql.com/>
- MySQL Forge: <http://forge.mysql.com/>
 - Project directory
 - Code Snippets
 - Community Wiki
- Planet MySQL: <http://planetmysql.org/>
 - Blog-Aggregator
 - Also in German and Spanish
- MySQL Forums: <http://forums.mysql.com/>
- MySQL Mailinglists: <http://lists.mysql.com/>
- Bug DB/Source trees
 - <http://bugs.mysql.com/>
 - <http://svn.mysql.com/>
 - <http://mysql.bkbits.net/>
 - <http://svn.mysql.com/fisheye/>