

MySQL Back to Basics



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MySQL Back to Basics



Contents

- MySQL Server Products & Versions
- Installation, Monitoring, Configuration
- MySQL GUI Tools
- Docs, Forums, Lists, Forge, Planet
- Other MySQL Tools



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MySQL Server Products

- Versions - 5.0 GA, 5.1(beta), 4.1(older)
- MySQL Cluster
- MySQL Network, MySQL Tools, MySQL Drivers
- MySQL MaxDB

<http://www.mysql.com/products/database/>



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MySQL Installation

- Included in Linux distro's
- MySQL Distro specific versions
- MySQL generic versions
- Compile from Source



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MySQL Monitoring (Logs)

- Error Log (\$MYSQL_HOME/data/[host].err)
- Binary Log
- Slow Query Log
- General Log

<http://www.mysql.com/doc/refman/5.0/en/log-files.html>



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MySQL Monitoring (Server)

- SHOW [GLOBAL] STATUS;
- SHOW [GLOBAL] VARIABLES;
- SHOW [FULL] PROCESSLIST;



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MySQL Configuration

- my.cnf global variables
 - key_buffer_size, sort_buffer_size
 - innodb_buffer_pool_size
 - innodb_log_file_size, innodb_log_buffer_size
 - innodb_flush_logs_at_trx_commit

<http://dev.mysql.com/doc/refman/5.0/en/mysqld-option-tables.html>



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MySQL Configuration (performance)

- General
 - query_cache, table_cache, thread_cache
- InnoDB
 - innodb_log_file_size, innodb_log_buffer_size
 - innodb_flush_logs_at_trx_commit

<http://dev.mysql.com/doc/refman/5.0/en/mysqld-option-tables.html>



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MySQL Storage Engines

- MySQL Strength
- Non Transactional / Transactional
 - MyISAM, InnoDB, Memory
 - NDB (Cluster)
 - Falcon, PBXT, Solid DB

<http://www.mysql.com/doc/refman/5.0/en/storage-engines.html>



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MySQL Transactional Storage Engines

- ACID
- Locking



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MySQL GUI Tools

- MySQL Administrator
- MySQL Query Browser
- MySQL Migration Toolkit
- MySQL Workbench

<http://www.mysql.com/products/tools/>



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MySQL Resources

- Forums <http://forums.mysql.com/>
- Lists <http://lists.mysql.com/>
- Forge (wiki, projects, snippets) <http://forge.mysql.com/>
- Planet <http://www.planetmysql.org/>
- User Groups <http://dev.mysql.com/user-groups/>



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Other MySQL Tools

- SQLyog
- phpMyAdmin
- Toad for MySQL

<http://www.sqlyog.com/>

<http://www.phpmyadmin.net>

<http://www.quest.com/mysql/>



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Conclusion

- Large Community
- Lots of Tutorials
- Lots of Books

