MySQL tuning guide

MySQL tuning guide for use with ABit Software

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Overview

Tuning MySQL depends on many variables, such as server resources, database sizes, and number of connections.
The following tool can be helpful for providing suggestions.

https://github.com/pmachapman/mysqltuner

Recommended MySQL Tuning for ABit Software

It's advisable to optimize the MySQL configuration. Using MySQL workbench is recommended. Select Options File and search for option.

General

sql-mode	"STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION"

InnoDB

innodb_buffer_pool_size	This setting can be up to 80% of the machines physical memory (1000 MB should be adequate)
Innodb_file_per_table	MySQL will use a separate .idb file for each table, rather than share the data in one file.

Performance

query_cache_size	Recommended value 20M

Networking

max_allowed_packet	Recommended value 1000M. This allows larger data blobs to be inserted into the database.

max_connections	Recommended value is 1000. Adjust this setting depending on site size.