

# Database Engines of MySQL

Gaurav Paliwal  
@gauravpaliwal

# Outline

What are database engines ?

Why do we need different database engines ?

Types of database Engines.

When to use what database engines ?

# What are database engines ?

Also known as Storage Engines

# What are database engines ?

Software component of the Database Management System that actually stores, retrieves , modifies and delete data.

# Why do we need different database engines ?

Every applications has different requirement.

# Why do we need different database engines ?

For some application's performance is major issue.

# Why do we need different database engines ?

For some application's frequent read/write are more important then frequent updates.

# Why do we need different database engines ?

For some application searching is major issue compared to the read/write/update.



# Why do we need different database engines ?

Etc.

# Types of database Engines

There are plenty.

# Types of database Engines

Example : Innodb , MyISAM , BerkleyDB etc.

# Types of database Engines

Every database engines has its different pros and cons.

# MyISAM

Designed with a thinking that database are frequently read not updated.

High Performance

Good for frequent read operations

Locks tables while updating

# InnoDB

Designed with a thinking that database are frequently updated not read.

InnoDB is transaction-safe

data-integrity is maintained throughout the entire query process

Allow multiple updates on single table

Locks only row NOT table

# When to use what database engines ?

More updates less read

More performance

Bank

Social Networking website

# Questions



Thanks