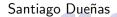
Introduction to MySQL Master on Libre Software 2012



 $sduenas@libresoft.es\\ GSyC/Libresoft-URJC$

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Introduction

- Relational Database Management System
- Multi-Platform
- SQL compatibility
- Supports several storage engines (MyISAM, InnoDB, MERGE, MEMORY ...)
- Triggers, functions, stored procedures, GIS, replication, clustering, ...

we study libre sollware

GPL License (and some others commercial licenses)

History

- Developed by Michael Widenius and David Axmark
- 1995 MySQL AB company founded
- 1995 First internal release of MySQL
- 2000 MySQI goes free software (GPL)
- 2005 MySQL 5.0
- 2008 Sun Microsystems acquires MySQL AB
- 2008 MySQL 5.1
- 2010 Oracle acquires Sun Microsystems
- 2011/09 Oracle starts to sell commercial extensions
- 2012/09 MySQL 5.5.28



MySQL command line client

Command:

```
mysql [<options>] database
```

Common options:

- --user, -u: MySQL user name
- --password, -p: user's password
- --host, -h: connect to the server on the given host

Everyday MySQL commands (I)

Create a database
 mysql> create database <name>;

Drop a database mysql> drop database <name>;

o Change of database
mysql> use <name>;
we study three solvane



Everyday MySQL commands (II)

- List of databases
 mysql> show databases [like <exp>];
- List of tablesmysql> show tables [like <exp>] [from <database>];
- Table description
 mysql> show fields from ;
 or
 mysql> desc

Administration - mysqladmin

- Create a databasemysqladmin [<options>] create <database>
- Drop a database mysqladmin [<options>] drop <database>
- List of variables

 mysqladmin [<options>] variables

Backup - mysqldump

- Back up a single database
 mysqldump [<options>] <database> [...]
- Back up multiple database mysqldump [<options>] --databases [<db> <db> ...]
- Back up all databases in the server mysqldump [<options>] --all-databases [<options>]
- Pestore
 mysql [<options>] <database> < <backup_file.sql>

GUI Tools



References

- KOFLER, Michael. The Definitive Guide to MySQL 5, Apress, 2005.
- KRUCKENBER and PIPES. *Pro MySQL*, Apressddison-Wesley, 2005.

