



Sistemi Informativi Avanzati

Corso di Laurea Magistrale in Ingegneria Gestionale

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MySQL Configuration

MySQL

A free and widely used RDBMS since 1995

- Very simple to setup and use
- Multi-platform
- Driver for C, C++, Java, Python, R, etc...

MySQL

Current version is 5.8

Suggested version to install **for Windows** is 5.5

<https://dev.mysql.com/downloads/mysql/5.5.html>

We will mainly use MySQL from the **command line**

There are also graphical tools and interfaces

MySQL on Windows

During installation, choose the following options

- MySQL Installer Community
- Standard Configuration
- Install as Windows Service
- Include Bin Directory in Windows PATH
- Remember to set password

MySQL on Windows

To use MySQL command line, there are two options

1. Start — MySQL 5.5 Command Line Client
2. Windows PowerShell

```
cd "C:\Program Files\MySQL\MySQL  
Server 5.5\bin"
```

```
C:\Program Files\MySQL\MySQL Server  
5.5\bin> .\mysql.exe -u user -p
```

MySQL on Ubuntu Linux

Install both server and client packages

- `apt-get install mysql-server`
- `apt-get install mysql-client`

Open the Terminal and run the client as

```
$> mysql -u root -p
```

MySQL on Mac OSX

Install via the .pkg file on MySQL website

Open the Terminal (you can find it in Finder under Application > Utilities) and run the client as

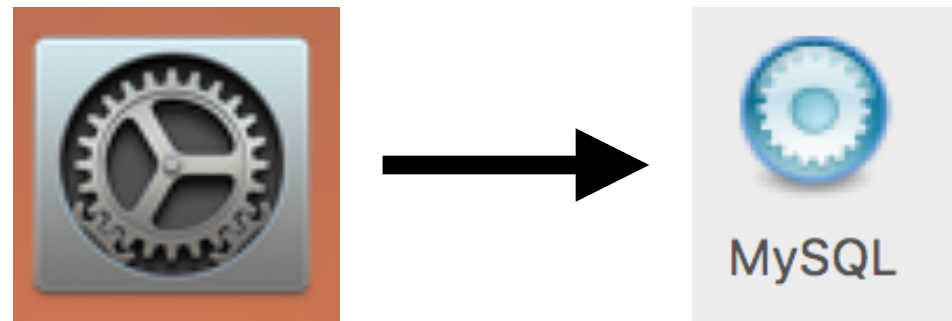
```
$> mysql -u root -p
```

If needed, use the complete path

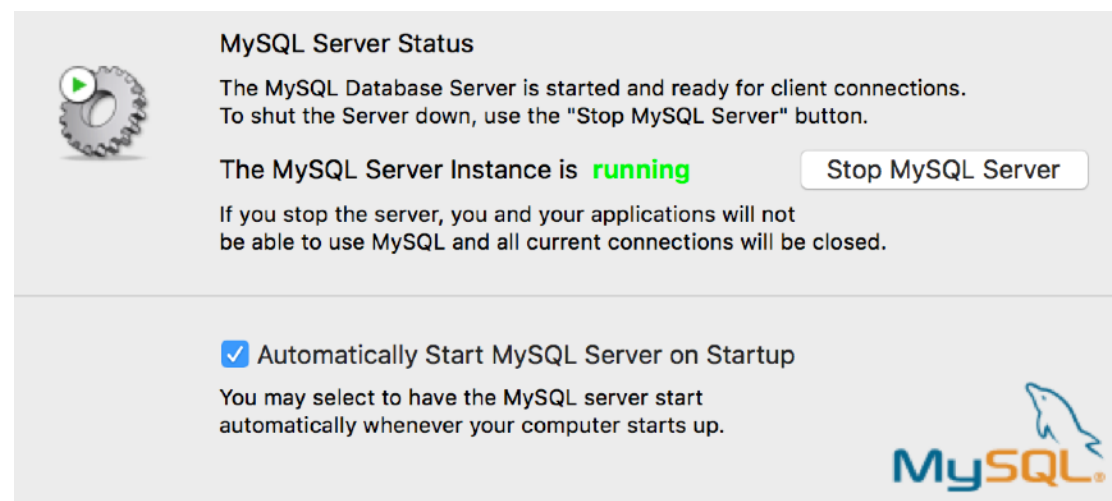
```
$> /usr/local/mysql/bin/mysql -u root -p
```

MySQL on Mac OSX

If you get an error message that the server is not responding, go to System Preferences > MySQL



and check that the server is running (if not, start it!)



Load SQL file on Windows

After running MySQL 5.5 Command Line Client, use the following MySQL command

```
mysql> source nomefile.sql;
```

Notes: use the **complete path** without quotes, with slash instead of backslash, remember the ;

```
mysql> source C:/Utenti/Marco/movies.sql
```

Load SQL file on Mac OSX

~~Open the Terminal (or Command Prompt) and run~~

~~\$> mysql -u root -p < infile.sql~~

UPDATE:

1) run `mysql -u -root -p`

2) run `SET GLOBAL`

`log_bin_trust_function_creators = 1;`

3) run `source Northwind.sql`

Another option is to first enter MySQL, and then type

```
mysql> source nomefile.sql;
```

Notes: use the **complete path** without quotes, with slash instead of backslash, remember the ;

```
mysql> source /Users/marco/movies.sql
```

Dump to SQL on Windows

Start the Windows PowerShell and type

```
$> cd 'C:\Program Files\MySQL\MySQL Server 5.5\bin'
```

```
$> .\mysqldump.exe -u root -p -d db > dump.sql
```

Dump to SQL on Mac OSX

Open the Terminal (or Command Prompt) and run

```
$> mysqldump -u root -p -d db > dump.sql
```

MySQL GUIs

If you want to use a **Graphical User Interface** for MySQL, you can try one of the many alternatives:

- MySQL Workbench (Windows, Linux, Mac OSX)
- HeidiSQL (Windows)
- SequelPRO (Mac OSX)
- ...