

# CEU DSD

# Introduction to SQL

Laszlo Sallo  
Szilveszter Molnar

# Agenda

- Short Demo on what we are going to do
- Exercise platform
- SQL Exercises

# DEMO

# Exercise Platform

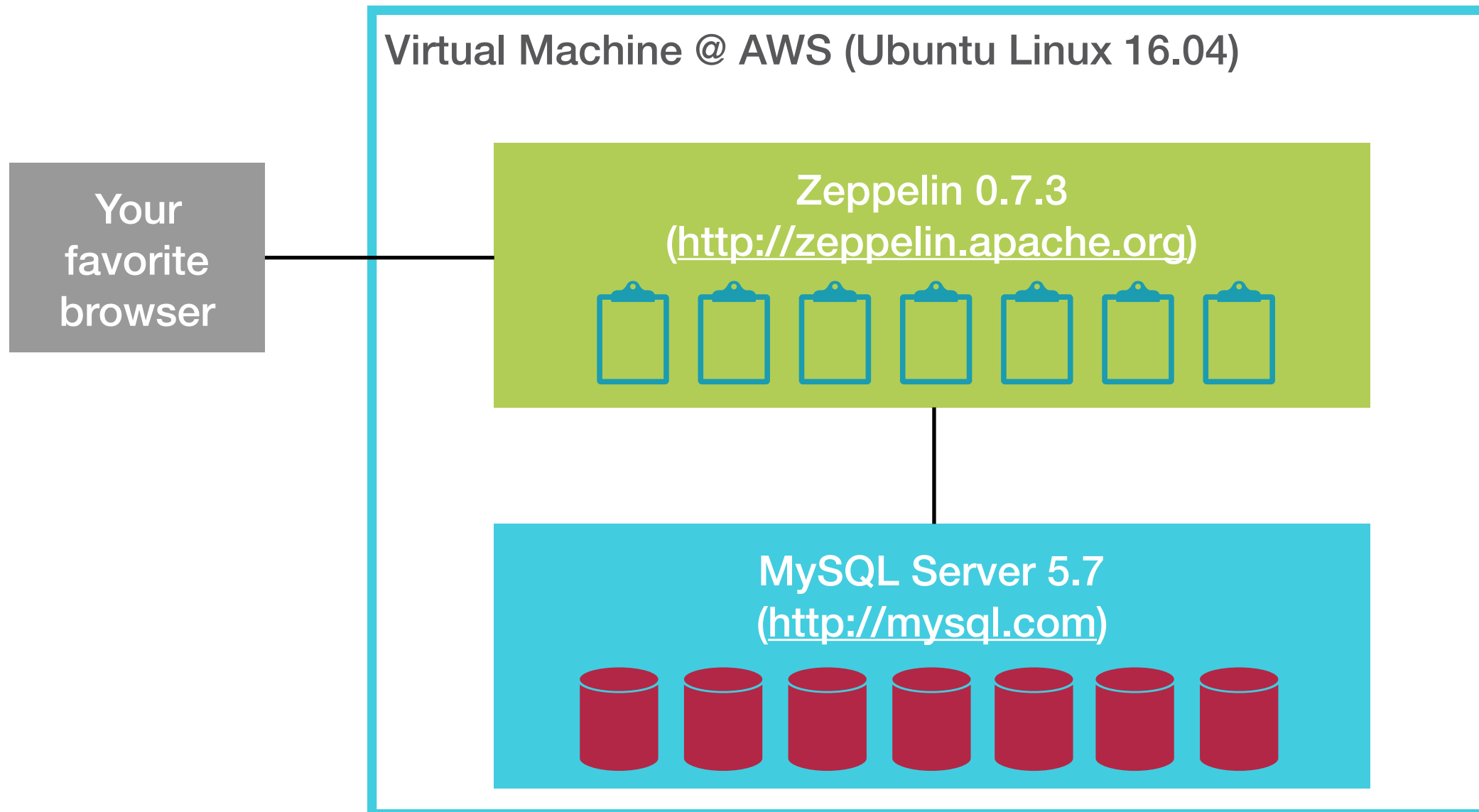
# Exercise Platform Architecture

Your (favorite) web browser

Virtual Machine @ Amazon Web  
Services (AWS)

<http://ceudsd.net>

# Exercise Platform Architecture



# Exercise Platform Introduction

- Login
  - LastName\_FirstName1 (eg. Molnar\_Szilveszter)
  - password: {on the whiteboard}
- DB with the same name
- Play nice: everybody has access to all other users, DBs

# Exercise Platform

- <http://ceudsd.net>
- Login with your username
  - password: {on the whiteboard}
- Create your own note
  - Add a name to your note
  - Default provider: sql



# Your first SQL command

- `SELECT 1;`

# Your first *real* SQL command

- Select a database to be used
- `USE LastName_FirstName1` (same as login)

# **SELECT**

**select\_expr [, select\_expr ...]**

**FROM table**

**WHERE where\_condition**

**GROUP BY col\_name**

**HAVING where\_condition**

**ORDER BY col\_name [ASC | DESC]**

**LIMIT row\_count**

# Now let's do some SQL Exercises

# Appendix - Useful URLs

# Useful URLs

- Exercise platform: <http://ceudsd.net>
- Exercises will be published here: <https://github.com/salacika/ceudsd>
- Slack group: ceudsd2018

# Appendix - Exercise Platform Screenshots

# Welcome to Zeppelin!

Zeppelin is web-based notebook that enables interactive data analytics.

You can make beautiful data-driven, interactive, collaborative document with SQL, code and even more!

## Help

Get started with [Zeppelin documentation](#)

## Community

Please feel free to help us to improve Zeppelin,  
Any contribution are welcome!


 [Mailing list](#)

 [Issues tracking](#)

 [Github](#)





 **Zeppelin**

Login

Welcome




Zeppelin is web-b  
You can make bea

Help

Get started with Z

Community

Please feel free to  
Any contribution a

 Mailing list  
 Issues tracking  
 Github

Login

Login

User Name

LastName\_FirstName1\_FirstName2

Password

.....

Login

# Welcome to Zeppelin!

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You can make beautiful data-driven, interactive, collaborative document with SQL, code and even more!

## Notebook ↻

⬆ Import note

📄 Create new note

Create your note here

Q Filter

📄 Untitled Note 1

## Help

Get started with [Zeppelin documentation](#)

## Community


Please feel free to help us to improve Zeppelin,  
Any contribution are welcome!

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🐙 Github

Notice your username

 **Zeppelin**

Notebook ▾Job

Search your Notes 🔍

● admin ▾

# Welcome

Zeppelin is web-based. You can make beautiful data visualizations and run jobs.

## Notebook

- Import note
- Create new note

Filter

Untitled Notebook

## Help

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Create new note

Note Name

MoSzi\_SQL1

Default Interpreter


sql

Use '/' to create folders. Example: /NoteDirA/Note1


Create Note


Add a proper name to your note

Select sql interpreter

 **Zeppelin**

Notebook ▾Job

Search your Notes 

 admin ▾

MoSzi\_SQL1




Head ▾



 default ▾



READY 

 **Zeppelin** Notebook ▾ Job

Search your Notes 🔍 admin ▾

**MoSzi\_SQL1**

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`| select 1;`

READY ▶ ⌕ 📄 ⚙️

**Enter "Select 1;" then click the run button**

# MoSzi\_SQL1



```
select 1;
```

FINISHED    

1



1

**Notice the result of this basic SQL command**

READY    

## MoSzi\_SQL1



```
use LastName_FirstName1_FirstName2;
```

**Now select the database with your name  
(enter "use your\_db\_name;" and click the run button)**



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