

CEU DSD

Introduction to SQL

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Agenda

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

DEMO

Exercise Platform

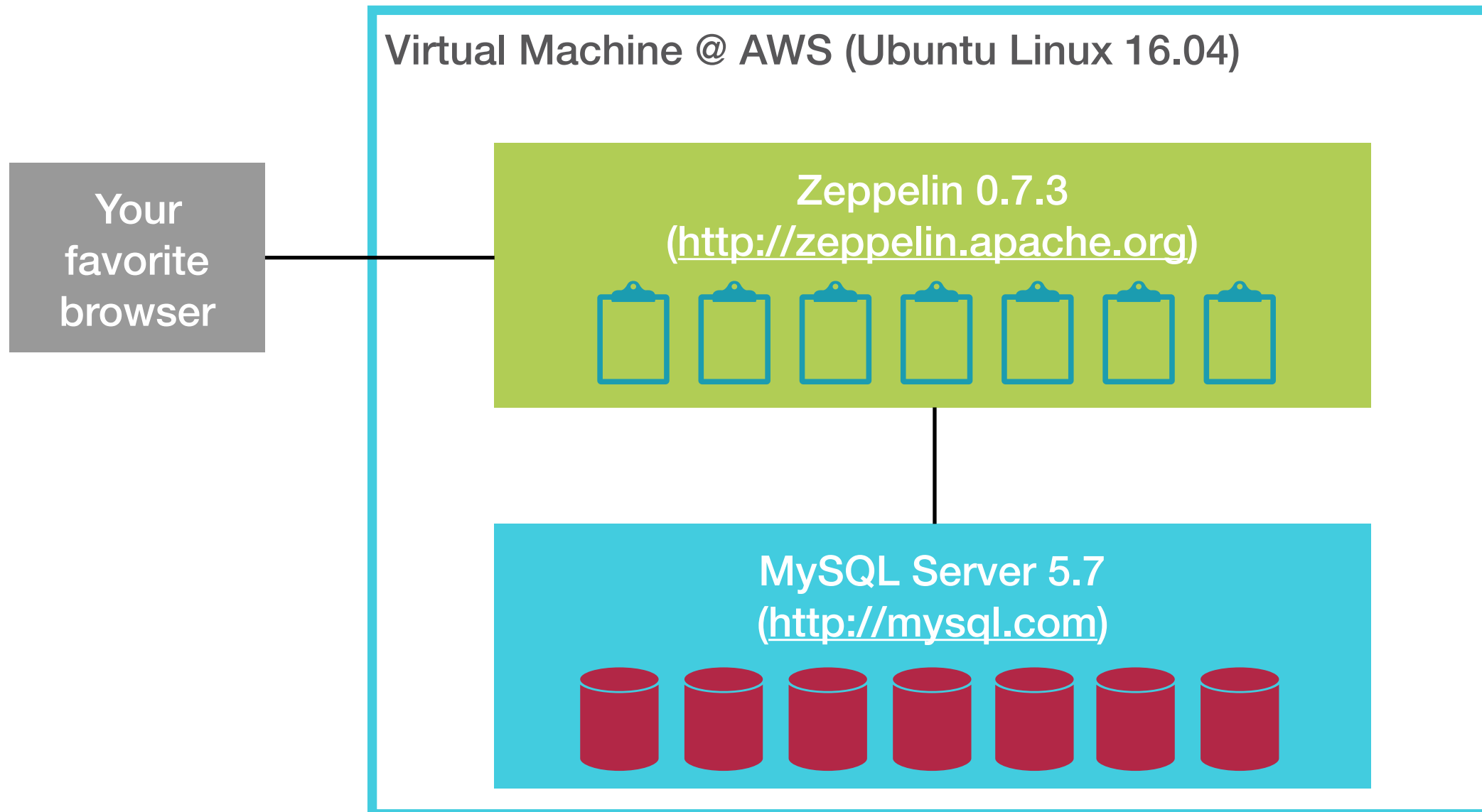
Exercise Platform Architecture

Your (favorite) web browser

Virtual Machine @ Amazon Web
Services (AWS)

<http://ceudsd.net>

Exercise Platform Architecture



Exercise Platform Introduction

- Login
 - LastName_FirstName (eg. Molnar_Szilveszter)
 - LastName_FirstName1_FirstName2 (eg. Molnar_Szilveszter_Istvan)
 - 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_FirstName`

or

`USE LastName_FirstName1_FirstName2`

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: <http://bit.ly/ceudsd-git>
- Slack group: <http://bit.ly/ceudsd-slack>

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](#)

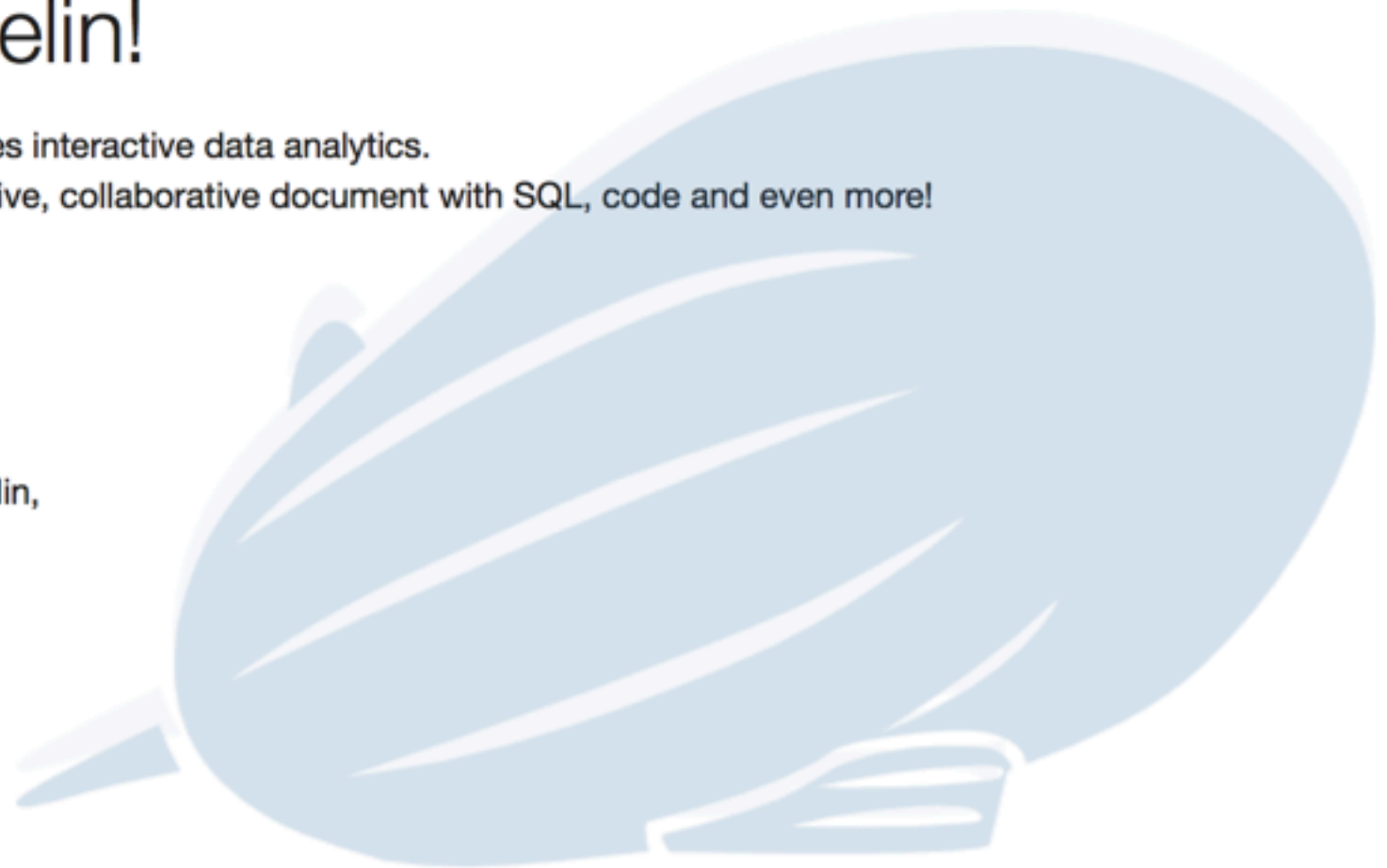
Community


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

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Any contribution a

 Mailing list

 Issues tracking

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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

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Community

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

👥 Mailing list

🔍 Issues tracking

🐙 Github

Notice your username



CENTRAL
EUROPEAN
UNIVERSITY

Zeppelin Notebook Job Search your Notes admin

Welcome

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

Notebook

- Import note
- Create new note

Filter

Untitled Notebook

Help

Get started with [Zeppelin documentation](#)

Community

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Create new note

Note Name **Add a proper name to your note**


MoSzi_SQL1

Default Interpreter **Select sql interpreter**


sql


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

Create Note

 **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)**