

esade

phpMyAdmin

Introduction to Databases
Pre-Programme in Data Science
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Do Good. Do Better.

01- Connecting with phpMyAdmin

02- Exploring a database

03- Browsing tables

04- Creating a query

05- Connection alternatives

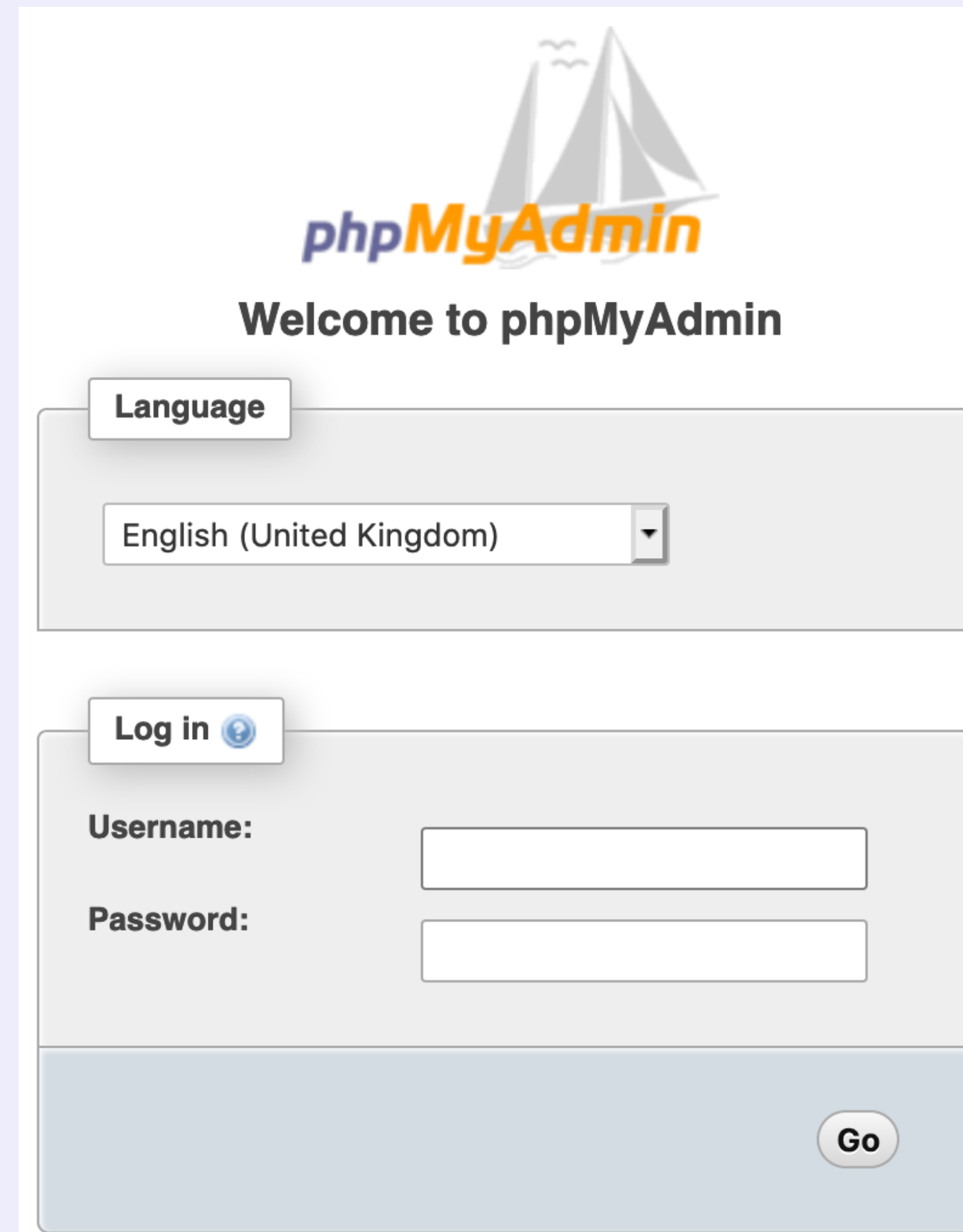
Working with phpMyAdmin

1. Connect to phpMyAdmin

<https://esade.flexilabs.net/sql-lab/>

Username: student_miba
Password: Timp4apMA#

Hint: the password contains the initials of
“This is my password for accessing phpMyAdmin”
(plus the “#”)



The screenshot shows the phpMyAdmin login interface. At the top, there is a logo with a sailboat and the text 'phpMyAdmin'. Below the logo, it says 'Welcome to phpMyAdmin'. There is a 'Language' dropdown menu set to 'English (United Kingdom)'. Below that is a 'Log in' button with a question mark icon. Under the 'Log in' button, there are two input fields: 'Username:' and 'Password:'. At the bottom right, there is a 'Go' button.

Working with phpMyAdmin

2. Select the database you want to explore

Databases

Tables

Columns

phpMyAdmin

Recent Favourites

flights

New

booking

Columns

New

airline

amount

bookingdate

bookingid

country

email

firstname

gender

lastname

postalcode

region

seatclass

inditex

information_schema

SoccerLeague

vuelos

Server: localhost:3306

Databases

SQL

Status

Export

Import

Settings

Variables

Charsets

Engines

Plug-ins

General settings

Change password

Server connection collation: utf8mb4_unicode_ci

Appearance settings

Language: English (United Kingdom)

Theme: pmahomme

Font size: 82%

More settings

Database server

Server: Localhost via UNIX socket

Server type: MySQL

Server version: 5.7.24-0ubuntu0.18.04.1 - (Ubuntu)

Protocol version: 10

User: student@localhost

Server charset: UTF-8 Unicode (utf8)

Web server

Apache/2.4.29 (Ubuntu)

Database client version: libmysql - mysqlnd 5.0.12-dev - 20150407 - \$Id: 38fea24f2847fa7519001be390c98ae0acafe387 \$

PHP extension: mysqli curl mbstring

PHP version: 7.2.12-1+ubuntu18.04.1+deb.sury.org+1

phpMyAdmin

Version information: 4.6.6deb5

Documentation

Official Homepage

Contribute

Get support

List of changes

Licence

Working with phpMyAdmin

3. Select a table to be explored

Browse data
Table fields
Edit SQL query

phpMyAdmin

Recent Favourites

flights

New

booking

inditex

information_schema

SoccerLeague

vuelos

Server: localhost:3306 » Database: flights » Table: booking

Browse

Structure

SQL

Search

Insert

Export

Import

Operations

Tracking

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✔ Showing rows 0 - 24 (298 total, Query took 0.0005 seconds.) [airline: AIR FRANCE... - AIR FRANCE...]

SELECT * FROM `booking` ORDER BY airline

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

1 > >> | ☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

bookingid	bookingdate	firstname	lastname	email	gender	country	region	postalcode	amount	airline	seats
JH4675	2017-03-09 00:00:00	Catlee	Sponder	csponder6@accuweather.com	Female	France	Ile-de-France	77504CEDEX	2167.93	Air France	Granc Class
NR9943	2017-04-01 00:00:00	Levi	Kincade	lkincadem@samsung.com	Male	Germany	Hessen	60325000000	1871.66	Air France	First C
HF0178	2015-09-06 00:00:00	Bess	Southam	bsouthamn@imageshack.us	Female	Netherlands	Provincie Flevoland	1354000000	2939.66	Air France	Granc Class
WL5455	2017-03-20 00:00:00	Consalve	Gilluley	cgilluleyv@domainmarket.com	Male	Italy	Lazio	185000000	881.17	Air France	Busin
VI9881	2016-05-12 00:00:00	Giacopo	Haffenden	ghaffendenw@sohu.com	Male	France	Haute-Normandie	27095CEDEX9	1108.35	Air France	First C
KP9286	2017-12-14 00:00:00	Jamesy	Champken	jchampken18@washingtonpost.com	Male	France	Auvergne	15015CEDEX	1364.36	Air France	First C
BL1809	2017-06-24 00:00:00	Michael	Querree	mquerree1e@omniture.com	Male	France	Ile-de-France	93604CEDEX	2854.06	Air France	Granc Class
BC1376	2015-09-13 00:00:00	Lazare	Plumbley	lplumbley1f@smh.com.au	Male	France	Bretagne	22204CEDEX	369.85	Air France	Econc
AF1594	2016-01-15 00:00:00	Ervin	Noore	enoore1h@dedecms.com	Male	France	Ile-de-France	95604CEDEX	2214.68	Air France	Granc Class
UW2664	2017-12-20 00:00:00	Biddie	Reany	breany1j@home.pl	Female	France	Basse-Normandie	50109CEDEX	1005.87	Air France	First C

Rows →

Working with phpMyAdmin

4. Create your own query

Server: localhost:3306 » Database: flights » Table: booking

Browse

Structure

SQL

Search

Insert

More

Run SQL query/queries on table flights.booking:

1 SELECT *

2 FROM `booking`

3 WHERE country = "Spain"

4 ORDER by bookingdate ASC

bookingid

bookingdate

firstname

lastname

email

gender

country

region

postalcode

amount

airline

seatclass

SELECT *

SELECT

INSERT

UPDATE

DELETE

Clear

Format

Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter ;]

☒ Show this query here again

☐ Retain query box

☐ Rollback when finished

☒ Enable foreign key checks

Go

Showing rows 0 - 9 (10 total, Query took 0.0006 seconds.) [bookingdate: 2015-03-06 00:00:00... - 2017-10-03 00:00:00...]

SELECT * FROM `booking` WHERE country = "Spain" ORDER by bookingdate ASC

☐ Profiling

[Edit inline](#)

[Edit](#)

[Explain SQL](#)

[Create PHP code](#)

[Refresh](#)

☐ Show all

Number of rows: 25

Filter rows: Search this table

+ Options

bookingid	bookingdate	firstname	lastname	email	gender
GA9366	2015-03-06 00:00:00	Arte	Lehrmann	alehrmann23@rakuten.co.jp	Male
MR8601	2015-05-03 00:00:00	Travus	Sackey	tsackey1z@rediff.com	Male
BX1231	2015-05-04 00:00:00	Fergus	Snoddy	fsnoddy74@networkadvertising.org	Male
HN7892	2015-05-15 00:00:00	Barrie	Wakerley	bwakerley82@nps.gov	Male
VC2125	2015-06-28 00:00:00	Olvan	Baudet	obaudet2b@elpais.com	Male
OP3334	2015-07-30 00:00:00	Marijn	Gredden	mgredden1w@taobao.com	Male
PA2661	2016-06-25 00:00:00	Xenos	Dunbabin	xdunbabin6z@istockphoto.com	Male
SJ3807	2017-01-15 00:00:00	Flora	Duckit	fduckitd@umich.edu	Female
AF9669	2017-05-19 00:00:00	Orsa	Patterson	opattersonf@walmart.com	Female
ZP6774	2017-10-03 00:00:00	Rae	Mowsdell	rmowsdell12@foxnews.com	Female

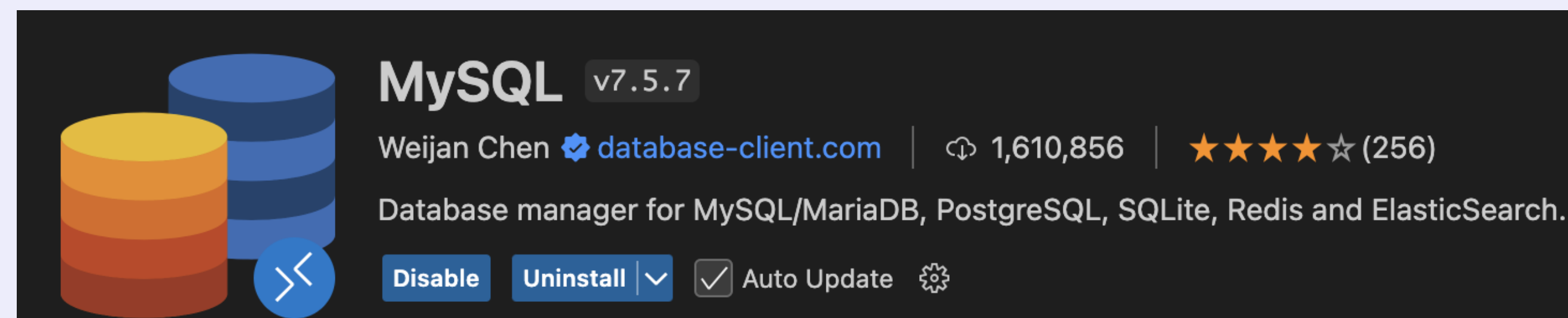
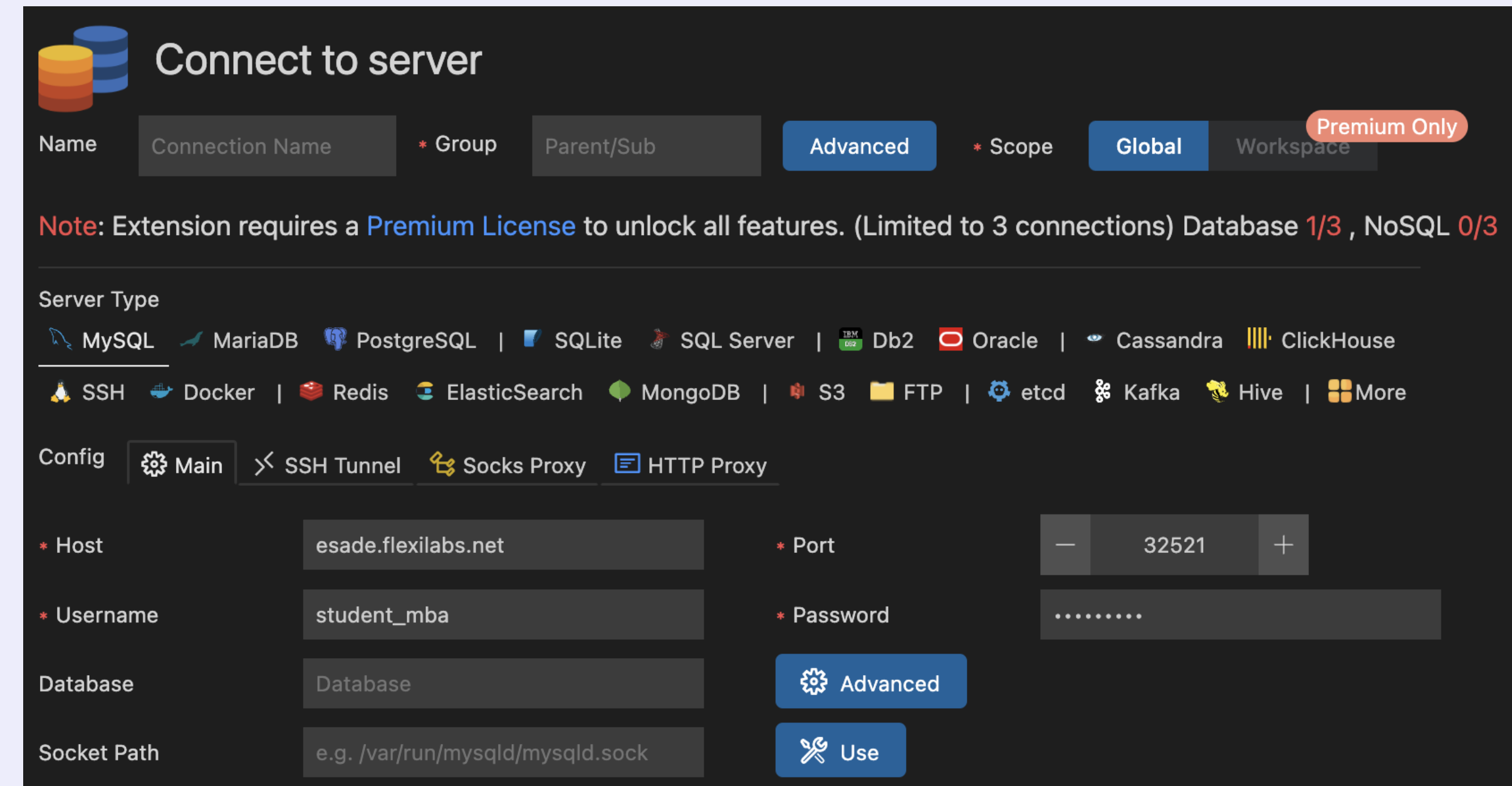
Connection alternatives

There are many alternatives to connect a database.

Credentials:

- Host/URL: esade.flexilabs.net
- Port: 32521
- Username: student_miba

For example: using Visual Studio Code and its extension “MySQL” from Weijan Chen.





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