

# Advanced Management of Data

## Exercise 1 Topic 2:

# Extensions of SQL

# Get a PostgreSQL database

To do the practical part of this exercise, you need a PostgreSQL database with PL/pgSQL support. You can

- install one locally on your own computer
- or set it up on a server, you have access to
- or simply use the service form the URZ and get one at **IdM-Portal** → **Databases** → **PostgreSQL**
  - ➔ <https://idm.hrz.tu-chemnitz.de/user/service/database/postgresql/add/>
  - please be aware, that the PostgreSQL-server from URZ is only reachable from inside the network of TU Chemnitz (use a VPN to access from outside)

URZ provides version 9.6.15 but it should also work with an older or newer one.

# Connect to your PostgreSQL database

- if you use URZ service, you can use our install of phpPgAdmin
  - ➔ <https://phppgadmin.informatik.tu-chemnitz.de/>
    - if you have problems with the self-signed certificate, just access the server in the more unsecure way without HTTPS
    - server is only reachable from inside the network of TU Chemnitz (use a VPN from outside)
  - select server **PostgreSQL** at the left side
  - enter the read-write-username (e.g. `dvs2019_rw`) with the corresponding password
  - select your database (e.g. `dvs2019`)
- otherwise set up your own phpPgAdmin for your database or any other frontend you like or be familiar with (e.g. `psql`, `pgAdmin3` or `pgAdmin4`)