1. Setup your Cloud service on Azure

We're using Microsoft Azure services for this. https://azure.microsoft.com/en-us/free/students/ If your KU email does not work use this instead: https://azure.microsoft.com/en-us/free/

Go to "Start Free" or "Free Account". Use your KU email and create an account (you can also use your github account to login if you have one). You get 100 virtual dollars to use on cloud resources.

You will get an "Azure for Students" subscription. A cloud service subscription is like your mobile phone subscription. You add services and usage and you increase your cost.

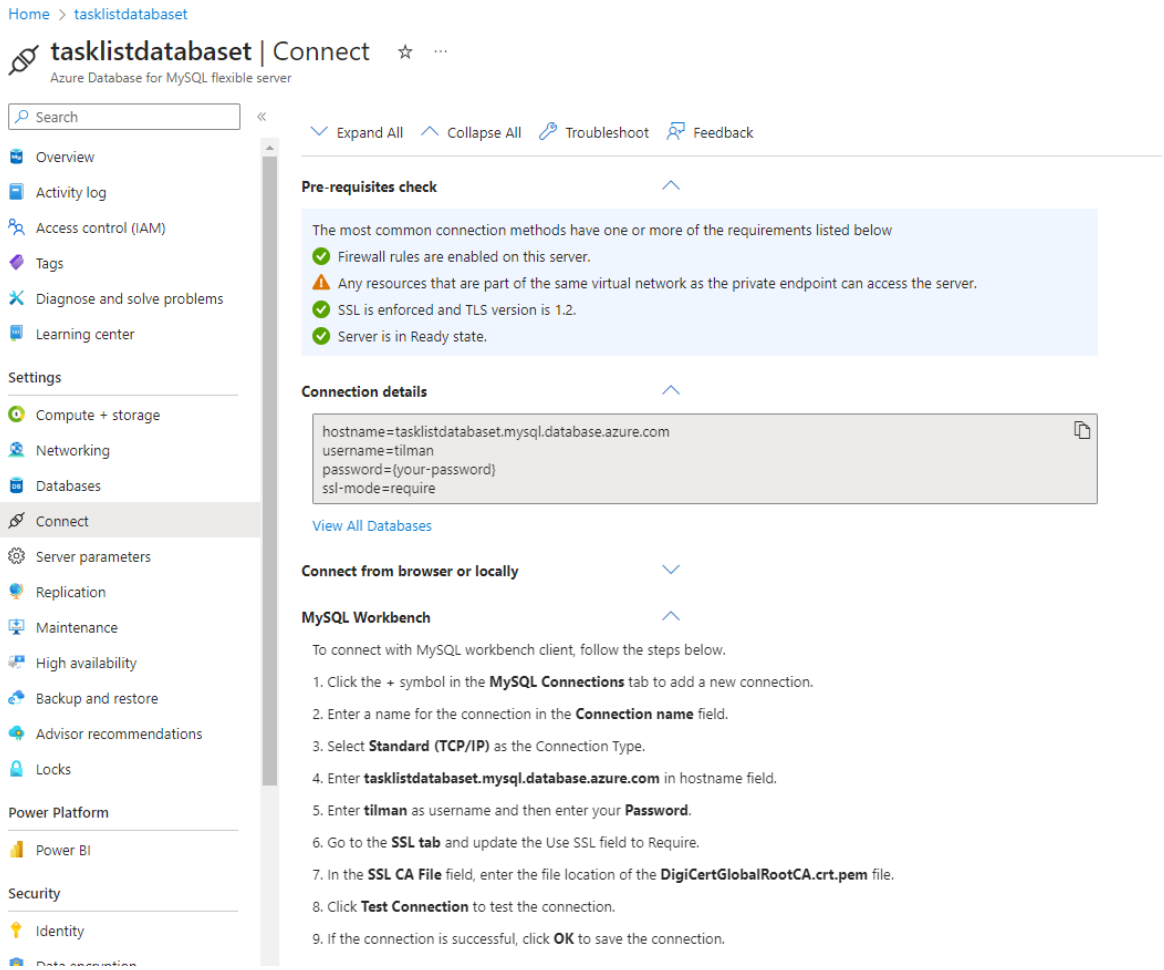
Create an Azure Database for MySQL servers

You will use one database per group.
1. On the front page go to the search bar and type: "Resource Group"
2. Create a new Resource Group (This is a logical set of resources that are project specific)
3. On the front page go to the search bar and type: "Azure Database for MySQL servers"
4. Press the "+ Create" button.
5. Keep the default "Flexible Server" and click "Create".
6. Fill in the forms.
- Enter a server name (the site will give you information about if it is available)
- Choose the Resource Group you have created
- For Region select "North Europe"
- Use MySQL 8.0
- Workload type: "For development or hobby projects"
- Click on configure server and select the smallest one "1 vCores, 1 GiB RAM, 20 GiB storage, 360 IOPS" and disable geo-redundancy
- add a database username and password (these are to connect to the database, do not use any personal passwords as we will store it in the app as plain text for now)
7. Click on "Next: Networking"
8. Under "Firewall rules" press add 0.0.0.0 - 255.255.255.255"
10. Click on "Review and create"
11. Click on "Create".
12. While you wait for it to be created download the MySQL Workbench.

MySQL Workbench

- Go to: https://dev.mysql.com/downloads/
- As a minimum you need "MySQL Workbench" installed.

- Once installed you need to configure the connection:
    - 1. Open MySQL Workbench and under "Database" go to "Manage connections"
    - 2. Click new and add a name
    - 3. In Azure Click on your database and go to "Connect" on the left hand side. Follow the instructions under "MySQL Workbench"



    - 4. Go to Database, Connect to Database and choose the connection you have just established.
    - 5. Click the +Schema button  .
    - 6. Under schemas on the left hand side you should see the new schema after refreshing.
      Click on this schema, so that it is highlighted
    - 7. open an "SQL Tab"  create a table where we will store user information:

```
CREATE TABLE DCRUsers (
Email varchar(255),
Role varchar(255),
CONSTRAINT PK_Email PRIMARY KEY (Email)
);
```

- 8. Press the "Execute Button"  (or CTRL + SHIFT + ENTER) to create the table. (Note: if you need to change the table column values you can always delete the table by executing DROP TABLE DCRUsers; and recreate it by doing step 4 and 5 again).
- 9. Also insert your email that you use to connect to the DCR Active Repository in the table:

```
INSERT INTO DCRUsers VALUES ('{your dcr email}','{the role when executing
events}');
```