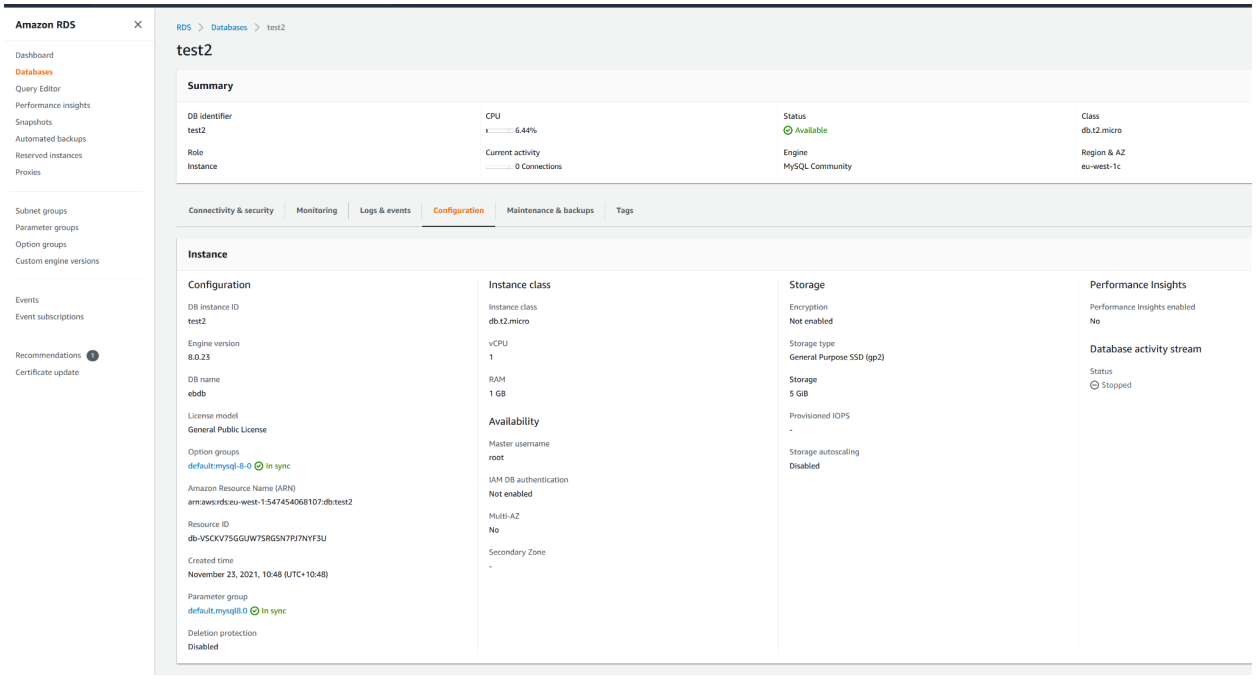
Lab 2 - Cloud Infrastructure & Services

Alexander Stradnic - 119377263

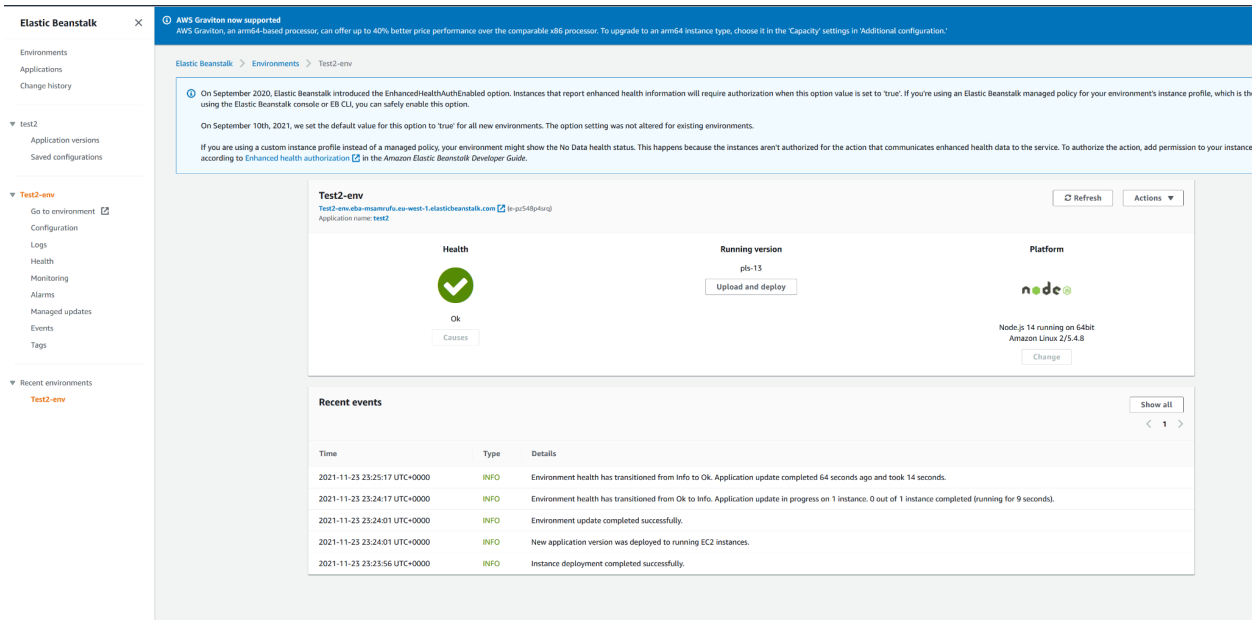
Setting up the Environment.

Following the instructions, I created an AWS account. I then set up Elastic Beanstalk with an instance of Node.js, along with a connected RDS MySQL database.

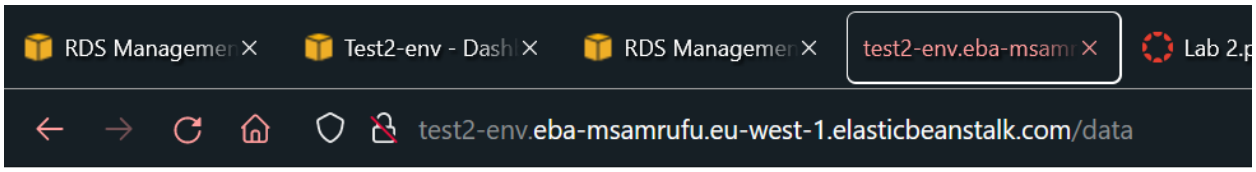
Screenshots



MySQL database



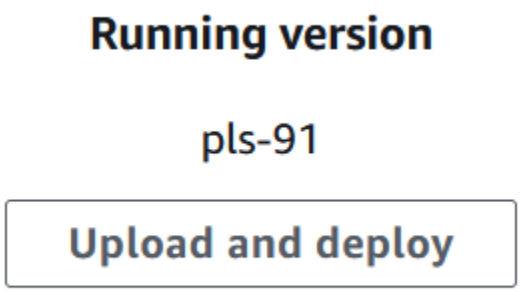

```
let e = "no error :)"
con.connect((err) => {
  if (err) e = err;
  console.log("connected to mysql db...");
})
```



no error :)

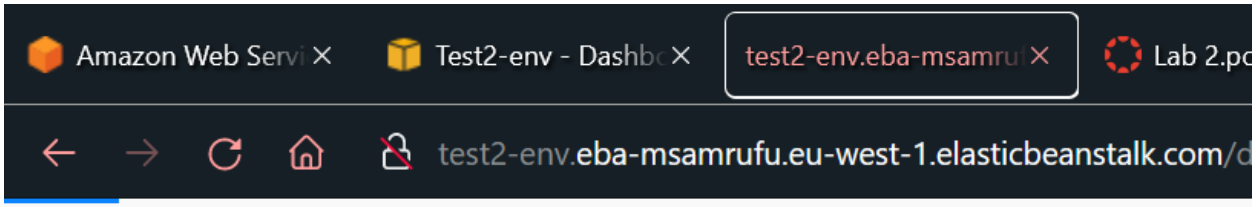
Setting up the backend to connect to the Database

For the project itself I found some information from the European Central Bank on the change of prices for consumer goods and services, and decided to take part of it, put it into my database, and then display it using Chart.js



Most of it went fine, but unfortunately React.js didn't want to cooperate and I ran out of time, so no graph. However the querying works perfectly.

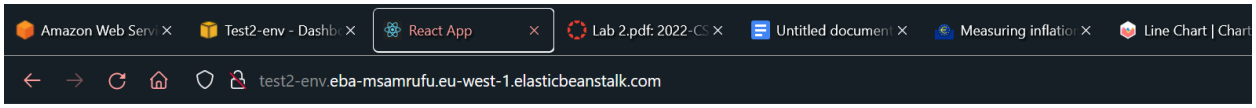
Link : http://test2-env.eba-msamrufu.eu-west-1.elasticbeanstalk.com/



JSON Raw Data Headers

Save Copy Collapse All Expand All Filter JSON


```
0:
    date:       "2016-10-31T00:00:00.000Z"
    country:    "Ireland"
    rate:       -0.4
1:
    date:       "2016-11-30T00:00:00.000Z"
    country:    "Ireland"
    rate:       -0.2
2:
    date:       "2016-12-31T00:00:00.000Z"
    country:    "Ireland"
    rate:       -0.2
3:
    date:       "2017-01-31T00:00:00.000Z"
    country:    "Ireland"
    rate:       0.2
4:
    date:       "2017-02-28T00:00:00.000Z"
    country:    "Ireland"
    rate:       0.3
5:
    date:       "2017-03-31T00:00:00.000Z"
    country:    "Ireland"
    rate:       0.6
6:
    date:       "2017-04-30T00:00:00.000Z"
    country:    "Ireland"
    rate:       0.7
7:
    date:       "2017-05-31T00:00:00.000Z"
    country:    "Ireland"
    rate:       0
8:
    date:       "2017-06-30T00:00:00.000Z"
    country:    "Ireland"
```



Welcome to my page on inflation in Europe

The data for HCIP (Harmonised Index of Consumer Prices), taken from the European Central Bank, is used to measure consumer price inflation

[graph]