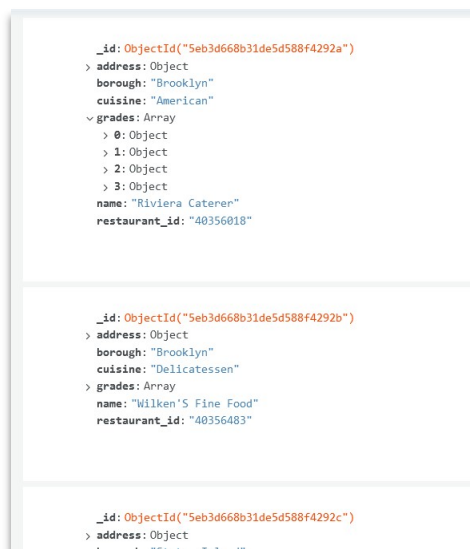
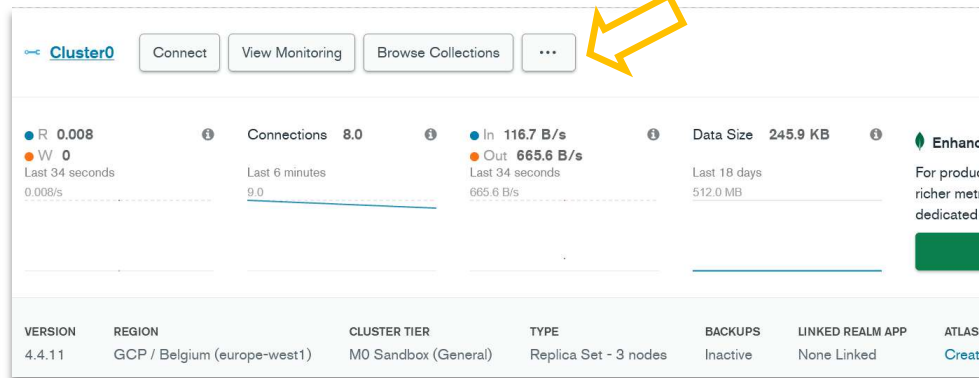


Exercises II part

Load the sample databases.

We are going to work with the database “sample_restaurant”, collection “restaurants”



Exercise 1. Relations 1 to n

We are going to add comments from clients to some of the restaurants. Each restaurant can have "n" comments.

A comment has the following fields:

- author: text
- date: date
- comment: text
- [optional] replies: array of comments (a comment can have multiple replies which are also comments)

1. Using the command update, add the following comments:

Note: use ObjectId() to update the right restaurant. Find Information about \$addToSet, and ISODate()

- Restaurant: Riviera Carterer. Add the following comment:

Comment 1

Author: Louis

date: March 6, 2021

text: "Where are we going to end up?. Really expensive"

```
_id: ObjectId("5eb3d668b31de5d588f4292a")
> address: Object
  borough: "Brooklyn"
  cuisine: "American"
> grades: Array
  name: "Riviera Caterer"
  restaurant_id: "40356018"
✓ comment: Array
  ✓ 0: Array
    ✓ 0: Object
      author: "Luis"
      date: 2021-03-06T00:00:00.000+00:00
      text: "Where are we going to end up?. Really expensive"
```

- Restaurant: Wilken's fine food

Comment 2

Author: Sandra

date: March 7, 2021

text: "I will never go back there"

answer 1:

Author: Thomas

date: March 8, 2021

text: "Why?. How much was the bill?"

Comment 3

Author: Jose

date: March 6, 2021

text: "Good price, good quality"

```

    _id: ObjectId("5eb3d668b31de5d588f4292b")
  > address: Object
    borough: "Brooklyn"
    cuisine: "Delicatessen"
  > grades: Array
    name: "Wilken'S Fine Food"
    restaurant_id: "40356483"
  > comment: Array
    > 0: Array
      > 0: Object
        author: "Sandra"
        date: 2021-03-07T00:00:00.000+00:00
        text: "I will never go back there "
      > answers: Object
        Author: "Thomas"
        date: 2021-03-08T00:00:00.000+00:00
        text: "Why?.How much was the bill?"
    > 1: Object
      author: "Joe"
      date: 2021-03-06T00:00:00.000+00:00
      comment: "Good price, good quality"

```

Exercise 2. Relationships many to many with references

All the restaurants are in a specific neighborhood. We want to add the list of neighborhoods from which it is possible to reach the restaurant directly using the underground. The neighborhoods are stored in the collection neighborhoods

To add the references, we must add an array field that will contain the **Object _id** of the related news.

Add the following neighborhoods references to the restaurants the restaurant called Riviera Caterer.

```

    _id: ObjectId("55cb9c666c522cafdb053a1a")
  > geometry: Object
    name: "Bedford"

    _id: ObjectId("55cb9c666c522cafdb053a1b")
  > geometry: Object
    name: "Midwood"

    _id: ObjectId("55cb9c666c522cafdb053a1c")
  > geometry: Object
    name: "Fordham South"

```

And these to Wilken's fine food.

```
_id: ObjectId("55cb9c666c522cafdb053a1c")  
> geometry: Object  
  name: "Fordham South"
```

```
_id: ObjectId("55cb9c666c522cafdb053a1d")  
> geometry: Object  
  name: "Borough Park"
```

Show all restaurants within reach of Borough Park