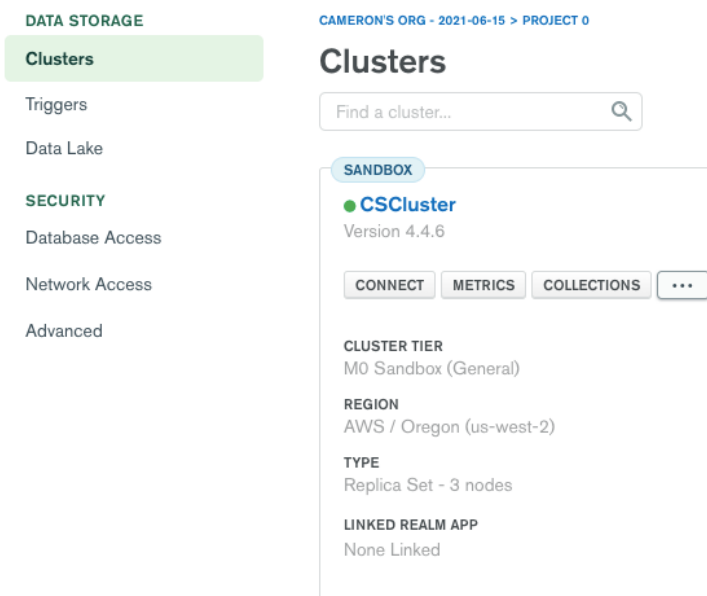Cameron Stewart

# Mini Project 4

# MongoDB

Use MongoDB as a DB to Sales Order DB or any other sample data that you want to use. Use Compass to connect to the MongoDB and insert, update and query data from MongoDB.

**Solution:**
I used the 'Company' Database from a previous project for this activity. My steps are listed below

1. Created Cluster

   a.

2. Connected Compass to MongoDB Cluster

a.

3. Created a Database and first Collection called Company

Create Database

Database Name

Company_DB

Collection Name

Company

☐ Capped Collection ⓘ

☐ Use Custom Collation ⓘ

Before MongoDB can save your new database, a collection name must also be specified at the time of creation. **More Information**

CANCEL    CREATE DATABASE

a.

4. Download data from each table in 'Company' Database in MySQL Workbench to a CSV. Below, shows me doing this for the table Company from the database company. Tables transferred include Company, Employee, Manages, and Works.

```
1 •    SELECT * FROM company.company;
```



a.

5. Import data into Collection 'Company' in the 'Company_DB' Database via the CSV. I will use this same process of creating a collection and importing data through a downloaded CSV for each collection.



a.

6. View completed migration of MySQL database to MongoDB



a.
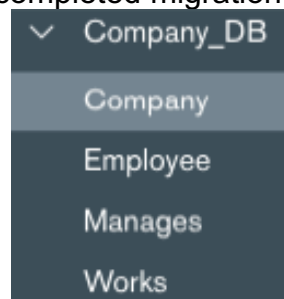
## Company_DB.Company

| Documents | Aggregations | Schema |
|-----------|--------------|--------|

**FILTER** { field: 'value' }

**ADD DATA** ▾ | VIEW ☰ {} ⊞

```
_id: ObjectId("60ca862058b95a2abe33c7e5")
company_name: "ABC"
city: "Dallas"
```

```
_id: ObjectId("60ca862058b95a2abe33c7e6")
company_name: "FBC"
city: "Plano"
```

b.

7. Insert a Document into Company Collection

## Insert to Collection Company_DB.Company

VIEW {} ☰

```
1 ▾ /**
2   * Paste one or more documents here
3   */
4 ▾ {
5 ▾     "_id": {
6           "$oid": "60ca8f716d21410250260f88"
7       },
8       "company_name": "Big_New_Company",
9       "city": "Seattle"
10 }
```

CANCEL | INSERT

a.

Company_DB.Company

Documents    Aggregations    Schema    Explai

FILTER  { field: 'value' }

ADD DATA ▼    ⬆    VIEW  ≡  { }  ⊞

_id: ObjectId("60ca862058b95a2abe33c7e5")
company_name: "ABC"
city: "Dallas"

_id: ObjectId("60ca862058b95a2abe33c7e6")
company_name: "FBC"
city: "Plano"

_id: ObjectId("60ca8f716d21410250260f88")
company_name: "Big_New_Company"
city: "Seattle"

b.

8. Update a document in Company Collection

> _id: ObjectId("60ca862058b95a2abe33c7e6")
company_name: "FBC"
city: "Plano"

a.

```
1   _id: ObjectId('60ca862058b95a2abe33c7e6')          ObjectId
2   company_name : "Toyota "                            String
3   city : "Plano "                                     String
```

b.  *Document Modified.*                    CANCEL   UPDATE

c.

9. Query documents from Company_DB Database in Works collection. Query looks for documents where company_name = "ABC" and then sorts in ascending order by person_name.



a.