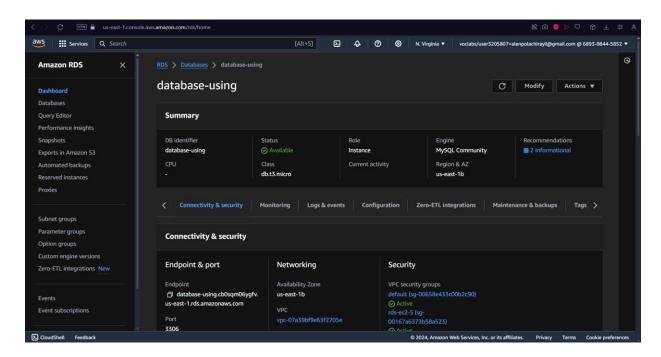
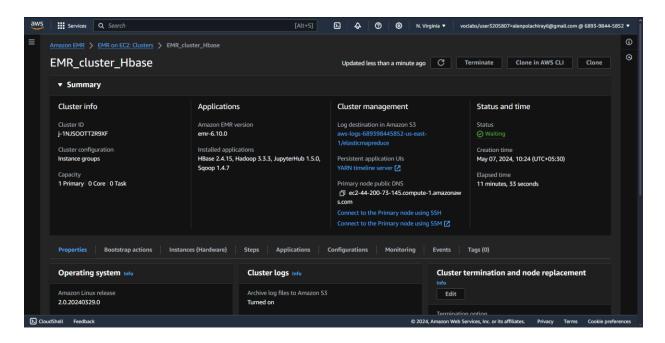
1. Creation of RDS in AWS



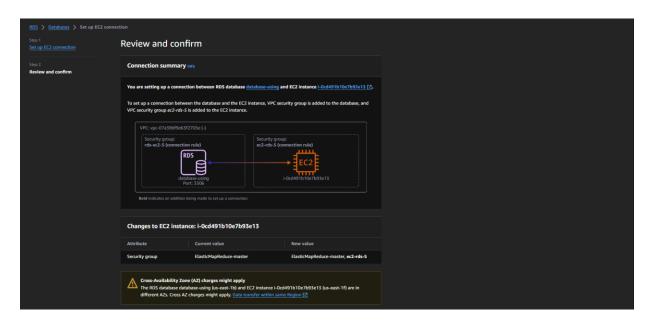
Created an RDS with necessary options selected like Engine is MySQL Community and allowed our IP to access the RDS in the security groups. Name of RDS is database-using

2. Creating EMR cluster with applications HBase, Hadoop, Sqoop



EMR is given access to our IP in security groups to access it. Name of EMR is EMR_cluster_Hbase

3. Setting connection between RDS and EMR instance we choose the action "set up an EC2 instance"



4. Login to RDS using the code "mysql -h database-using.cb0sqm06ygfv.us-east-1.rds.amazonaws.com -P 3306 -u admin -p"

```
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Antennicating with public key "assign key"

Last logis: Two May 7 05:00:29 2024

Amazon Linux 22

Anazon Linux 222, GA and supported until 2028-07-15.

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Anazon Linux 2023, GA and supported until 2028-07-15.

Anazon Linux 2023, GA and supported until 2028-07-15.

Antennication until 2024 and supported until 2028-07-15.

Antennication until 2028-07-15.

Antennication
```

5. Code for Creation of Database

'create database taxi;'

6. Code for creating table in Database "taxi"

create table yellow_taxi (VendorID VARCHAR(255), tpep_pickup_datetime TIMESTAMP NOT NULL DEFAULT '0000-00-00 00:00:00', tpep_dropoff_datetime TIMESTAMP NOT NULL DEFAULT '0000-00-00 00:00:00', passenger_count INT,trip_distance DOUBLE,RatecodeID VARCHAR(255),store_and_fwd_flag VARCHAR(255),PULocationID VARCHAR(255),DOLocationID VARCHAR(255),payment_type VARCHAR(255),fare_amount DOUBLE,extra DOUBLE,mta_tax DOUBLE,trip_amount DOUBLE,tolls_amount DOUBLE, improvement_surcharge DOUBLE,total_amount DOUBLE,congestion_surcharge DOUBLE,airport_fee DOUBLE);

- Table name is yellow_taxi
- 7. Downloading required csv files in local

wget https://nyc-tlc-upgrad.s3.amazonaws.com/yellow_tripdata_2017-01.csv wget https://nyc-tlc-upgrad.s3.amazonaws.com/yellow_tripdata_2017-02.csv

8. To load data to mysql table

```
LOAD DATA LOCAL INFILE '/home/hadoop/yellow_tripdata_2017-01.csv' INTO TABLE yellow_taxi
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 LINES;
```

LOAD DATA LOCAL INFILE '/home/hadoop/yellow_tripdata_2017-02.csv' INTO TABLE yellow_taxi
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 LINES;

Select count(*) from yellow_taxi;

```
Amazon figure 2013, Ch and supported until 2018-03-15.

| Description |
```

10. Select * from yellow taxi limit 5;

```
## Autocoping Tit 2314-522--

## Autocoping Tit 2314-52--

## Autocoping Tit 2314
```