LINK :

<https://hevodata.com/blog/amazon-rds-to-redshift-etl/>

1. **mysql login and create the databade (tables) in CLI**

**mysql -h** database-1.cdlm0stfamba.us-east-1.rds.amazonaws.com

**-P 3306 -u admin -p((**<https://www.youtube.com/watch?v=xzCgeRxSzy4>))

**password:devops12**

**aurora -- mysql -h** database-2.cluster-cdlm0stfamba.us-east-1.rds.amazonaws.com **-P 3306 -u root -p**

**{OR}**

**mysql workbench create the database and create the tables.**

**2. convert the** **sql file into csv file**

**2.1. IN CLI :**

Mysql -B -u username -p password sourcedb -h dbhost -e "select \* from

source\_table" -B | sed "s/'/\'/;s/\t/\",\"/g;s/^/\"/;s/$/\"/;s/\n//g" >

source\_table.csv

**2.2. IN SQL WORKBENCH :**

**Connect rds to workbench --**<https://www.youtube.com/watch?v=W98sn6oMtYw>

1. open schema
2. Go to database and select tables and select table export wizard and select file path and setup the default credentials.
3. upload to CLI.

**3.copy the csv file to s3**

aws s3 cp source\_table.csv s3://my\_bucket/source\_table/

**bucket should be in public access**

mybucket : BUCKET NAME

SOURCE\_TABLE : table\_name

1. **open the query editor in AWS console** 
   1. **USING CREDENTIALS (NOT WORKING BCOZ OF ID)**

copy projects from 's3://forredshiftbuc/projects.csv'

credentials 'aws\_access\_key\_id=AKIAIQ6AO4NWXADQVAXQ;

aws\_secret\_access\_key=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'

csv;

* 1. **USING IAM (WITH DELIMITER AND IGNOREHEAD)**

COPY projects

from 's3://forredshiftbuc/sync.csv'

iam\_role 'arn:aws:iam::732928366374:role/Myredshiftrole'

delimiter '|' IGNOREHEADER 1 ;

**IF ERROR WILL OCCUR THEN PUT THIS CODE (TO SEE ERROR)**

select query, substring(filename,22,25) as filename,line\_number as line,

substring(colname,0,12) as column, type, position as pos, substring(raw\_line,0,30) as line\_text,

substring(raw\_field\_value,0,15) as field\_text,

substring(err\_reason,0,45) as reason

from stl\_load\_errors

order by query desc

limit 10;

1. **Creating temp table for incremental load**

create temp table stage (like target\_table)

target\_table= projects

1. **Deleting rows**

Begin transaction;

<https://www.youtube.com/watch?v=BWhB2hjre8E>

<https://www.youtube.com/watch?v=BWhB2hjre8E>

jdbc:mysql://database-2.cluster-cdlm0stfamba.us-east-1.rds.amazonaws.com/3306/aurora