

Redshift Lab - 5

06:12 PM

Load Data From S3 into the Redshift Tables

Your manager has already created an S3 bucket that has three different formats of data files (txt, CSV and JSON) that are to be loaded into the Redshift tables.

You will perform the tasks in this challenge using the Redshift Query editor and the copy command.

1. Overwrite the contents of the **Query 1** editor with the following command after replacing <S3-bucket-name> and <Role-arn> with the values you stored in the last challenge.

```
copy ps_store_schema.customers from 's3://<S3-bucket-name>/customers-data.txt'
```

```
credentials 'aws_iam_role=<Role-arn>'
```

```
delimiter '|' region 'us-west-2';
```

The resulting code should look similar to the following:

```
copy ps_store_schema.customers from 's3://ps-lab-resources-lxu73wqf/customers-data.txt'
```

```
credentials
```

```
'aws_iam_role=arn:aws:iam::416815516597:role/PSRedshiftS3Role-1'
```

```
delimiter '|' region 'us-west-2';
```

1. Click the **Run** button.

You should see a green tick next to the **Query 1** tab letting you know that the data has been loaded into the customers table successfully from the S3 bucket.

2. Overwrite the contents of the **Query 1** editor with the following command after replacing <S3-bucket-name> and <Role-arn>, and click **Run**.

```
copy ps_store_schema.products from 's3://<S3-bucket-name>/products-data.csv'
```

```
credentials 'aws_iam_role=<Role-arn>'
```

```
format csv
```

```
delimiter ',' region 'us-west-2';
```

3. Overwrite the contents of the **Query 1** editor with the following command after replacing <S3-bucket-name> and <Role-arn>, and click **Run**.

```
copy ps_store_schema.orders from 's3://<S3-bucket-name>/orders-data.json'
```

```
credentials 'aws_iam_role=<Role-arn>'
```

```
region 'us-west-2'
```

DATEFORMAT 'MM/DD/YYYY'

json as 'auto';

4. In the **Resources** panel on the left, select the **ps_store_schema** from the **Select Schema** dropdown, then click on the three dots next to the **orders** table, and click **Preview data**.

At the bottom of the page under the **Table details** tab you will see the data stored in the **orders** table as a result of the last query you executed.