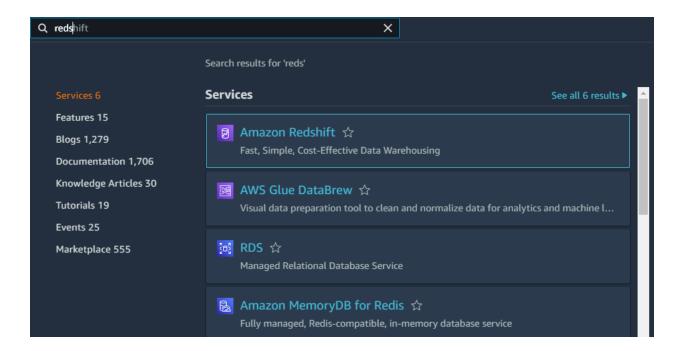
Create an AWS Redshift Cluster

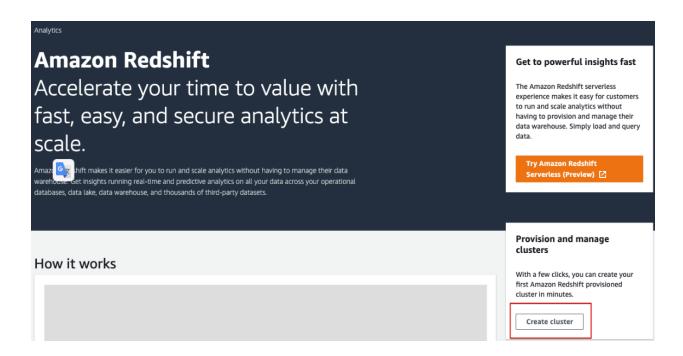
- Open the AWS console by clicking on the **Launch Cloud Gateway** button followed the **Open Cloud Console** button in the classroom.
- Select US West (Oregon) us-west-2 region.



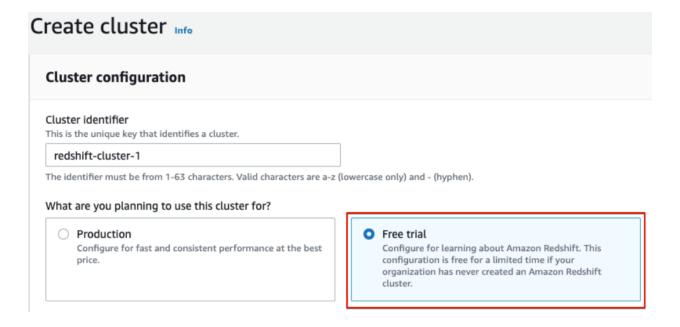
• Search Redshift in the search bar, and then click on Amazon Redshift.



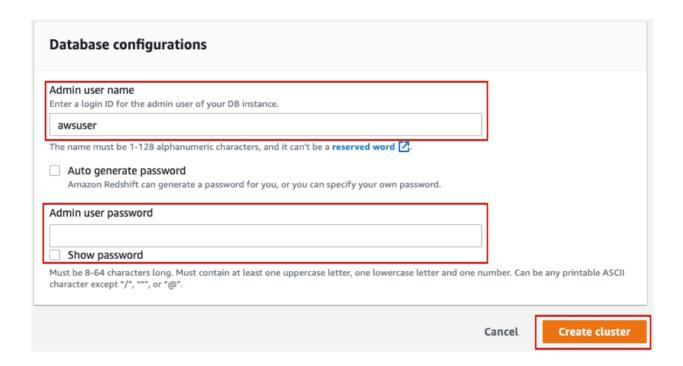
• Click on Create cluster.



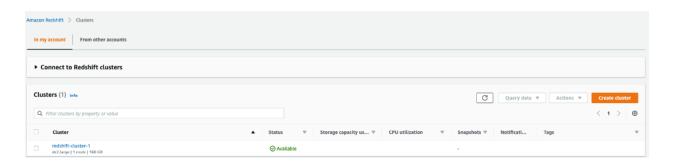
Input Cluster Identifier and select Free trial.



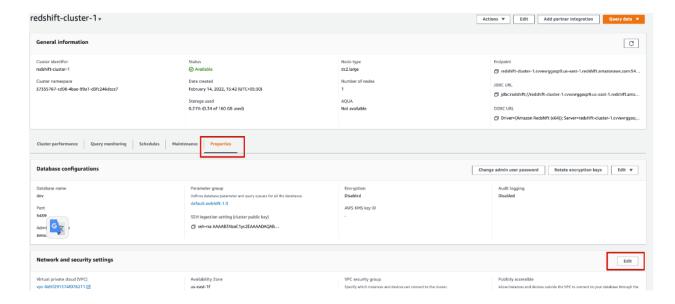
- Input Admin user name. This can be same as the IAM user you created earlier.
- Input Admin user password. Keep the username and password saved locally, as they will be needed in Airflow.
- · Click on Create cluster.



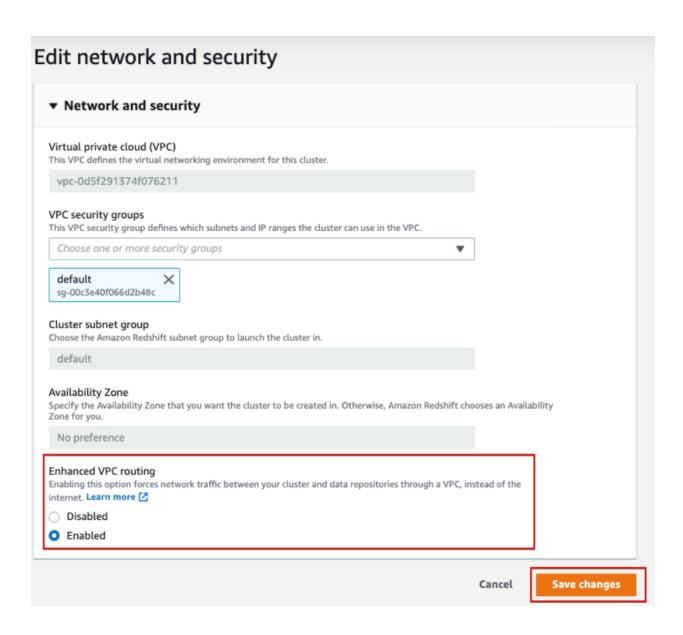
• On successful creation of the cluster, you will see Status Available, as shown below:



- Go to **redshift-cluster-1**. Next, we are going to make this cluster publicly accessible as we would like to connect to this cluster via Airflow.
- Click on Actions and select Modify publicly accessible setting.
- Click on **Enable** and **Save changes**.
- Enable VPC Routing by going to the **Properties** tab and clicking on **Edit** button in the **Network and Security settings** section.



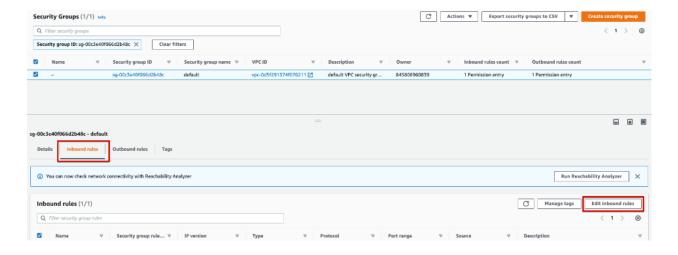
• Enable Enhanced VPC Routing.



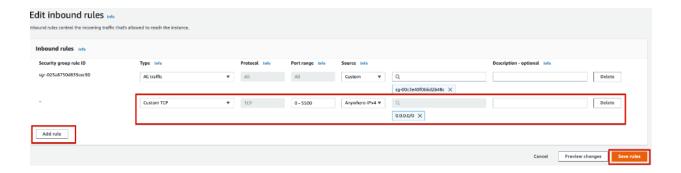
 Choose the link next to VPC security group to open the Amazon Elastic Compute Cloud (Amazon EC2) console.



Go to Inbound Rules tab and click on Edit inbound rules.



- Add an inbound rule, as shown in the image below.
 - Type = Custom TCP
 - Port range = 0 5500
 - Source = Anywhere-iPv4



- Now our Redshift cluster should be accessible from Airflow.
- Go back to the Redshift cluster and copy the endpoint. Store this locally as we will need this while confuguring Airflow.

