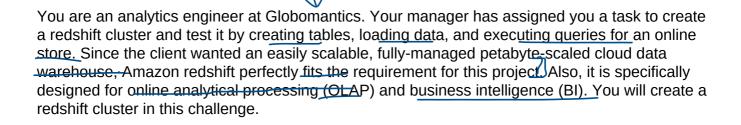# Redshift Lab - 1

06:00 PM

you'll have practices creating, loading, and querying data on Amazon Redshift.

Create Your First Redshift Cluster

You are an analytics engineer at Globomantics. Your manager has assigned you a task to create a redshift cluster and test it by creating tables, loading data, and executing queries for an online store. Since the client wanted an easily scalable, fully-managed petabyte-scaled cloud data warehouse, Amazon redshift perfectly fits the requirement for this project. Also, it is specifically designed for online analytical processing (OLAP) and business intelligence (BI). You will create a redshift cluster in this challenge.

1. Use the credentials and button to the right of these tasks to log in to the AWS Management Console.
2. In the AWS Management Console, in the top search box type in and click on **Amazon Redshift**.
   You will likely get an AccessDeniedException. Ignore this, it is due to restrictions in the lab environment, and will not affect this lab.
3. Then click on the **Create cluster** button.
4. Enter the **Cluster identifier** as pluralsight-redshift-store-1. Then choose **Node type** as **dc2.large** (leaving Nodes as it is with a default value of 2).
5. In the **Database configurations** section, enter the **Admin user name** as ps_store_aws_master_user, and choose an **Admin user password** which conforms to the listed restrictions (note this password for later).
6. In **Cluster permissions**, click **Associate IAM role**, and in the pop-up select **PSRedshiftS3Role-1**, then click **Associate IAM roles**.
   This role was already created for this lab, and the role has full S3 permissions.
7. Click on the **Create cluster** button.
8. Wait for the cluster to become **Available**. This should take about two to five minutes.
   You may, after it is created, see it in an Unavailable state. Refreshing your browser should show it in its true state, which will be Available.

You should see the **Amazon Redshift > Clusters** dashboard where **pluralsight-redshift-store-1** is listed and is **Available**.