In this exercise, you'll be building a Redshift data warehouse on the AWS cloud platform. You'll be creating the following resources on AWS to support the Redshift data warehouse.

Exercise: Create an IAM Role

All AWS services require identity and access management (IAM) policies, roles, and their associated permissions. In this exercise, you'll create an IAM user role that has permission to use the Redshift service on AWS.

You will later attach this role to your Redshift cluster to enable your cluster to load data from Amazon S3 buckets. You can read more about IAM roles and Redshift [**here(opens in a new tab)**](https://docs.aws.amazon.com/redshift/latest/gsg/rs-gsg-create-an-iam-role.html).

1. Once you have signed into the AWS management console, navigate to the [**IAM service dashboard(opens in a new tab)**](https://console.aws.amazon.com/iam/).
2. In the left navigation pane, choose **Roles**.
3. Choose **Create role**.

A screenshot of a computer

AI-generated content may be incorrect.

IAM Roles dashbaord

1. **Trusted entity type** should remain set to the default option, which is **AWS service**.
2. In the **Use case** section, choose **Redshift** and keep the specified use case as the default **Redshift - Customizable**. Afterward, click **Next**.

A screenshot of a computer

AI-generated content may be incorrect.

Select Redshift service, and *Redshift - Customizable* use case

1. On the **Add permissions** page, search for and select the **AmazonS3ReadOnlyAccess** policy, and then click on the **Next** button.
2. Tags are optional. Click on the Next: Review button.

A screenshot of a computer

AI-generated content may be incorrect.

Select a policy to attach to the new role

1. For **Role name**, enter **myRedshiftRole**, and then choose **Create role**.

A screenshot of a computer

AI-generated content may be incorrect.

Provide role name and description

1. You will see a success message when the new role will be created.

A screenshot of a computer

AI-generated content may be incorrect.

Role created successfully