**Redshift Exercise: Create an IAM Role**

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](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](https://console.aws.amazon.com/iam/).
2. In the left navigation pane, choose **Roles**.
3. Choose **Create role**.

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IAM Roles dashbaord

1. In the **AWS Service** group as the trusted entity, and choose **Redshift** service.
2. Under **Select your use case**, choose **Redshift - Customizable**, and then **Next: Permissions**.

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

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

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Select a policy to attach to the new role

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

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Provide role name and description

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

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Role created successfully

Great! On the next page, you'll learn to **attach this role to a new/existing cluster**