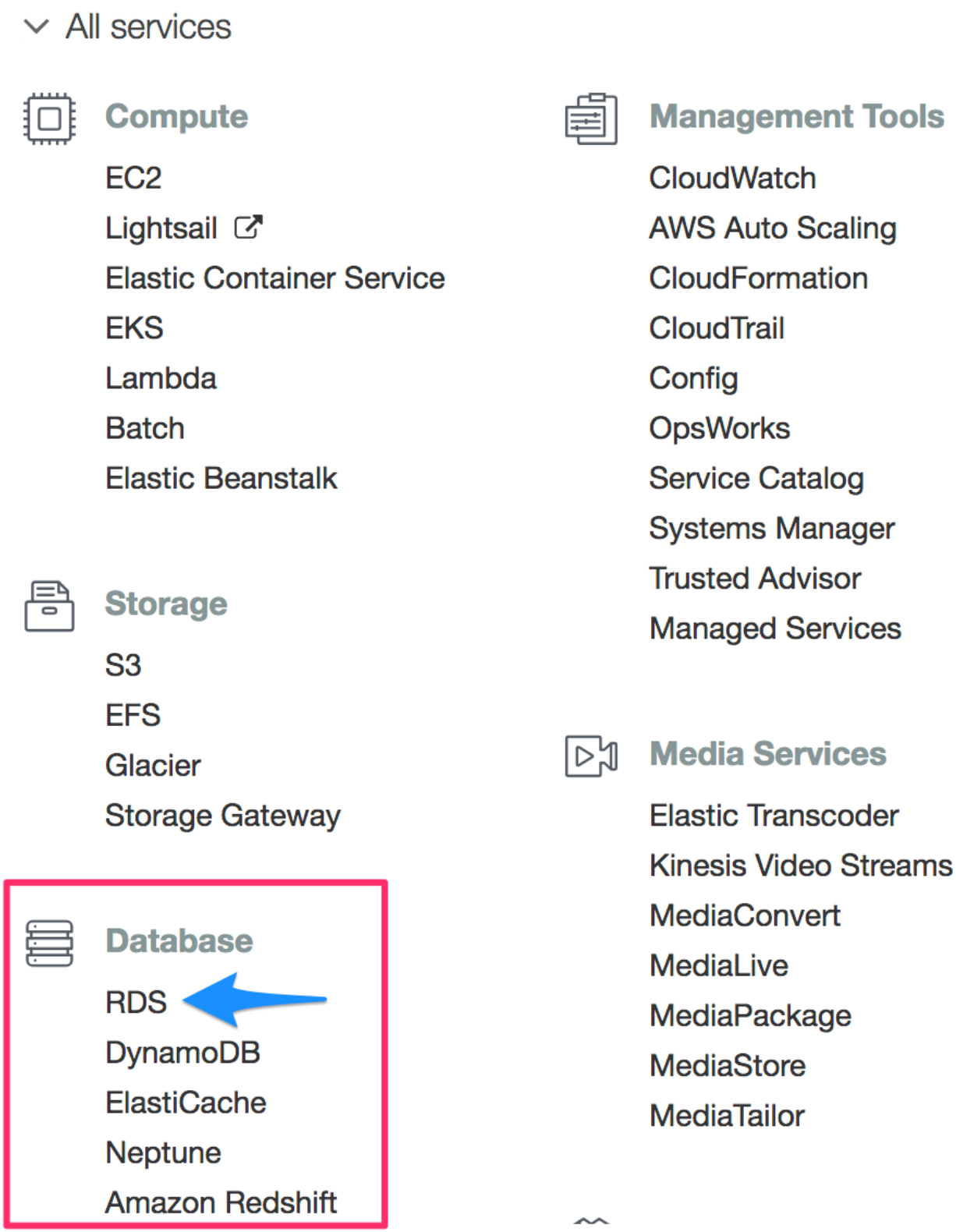
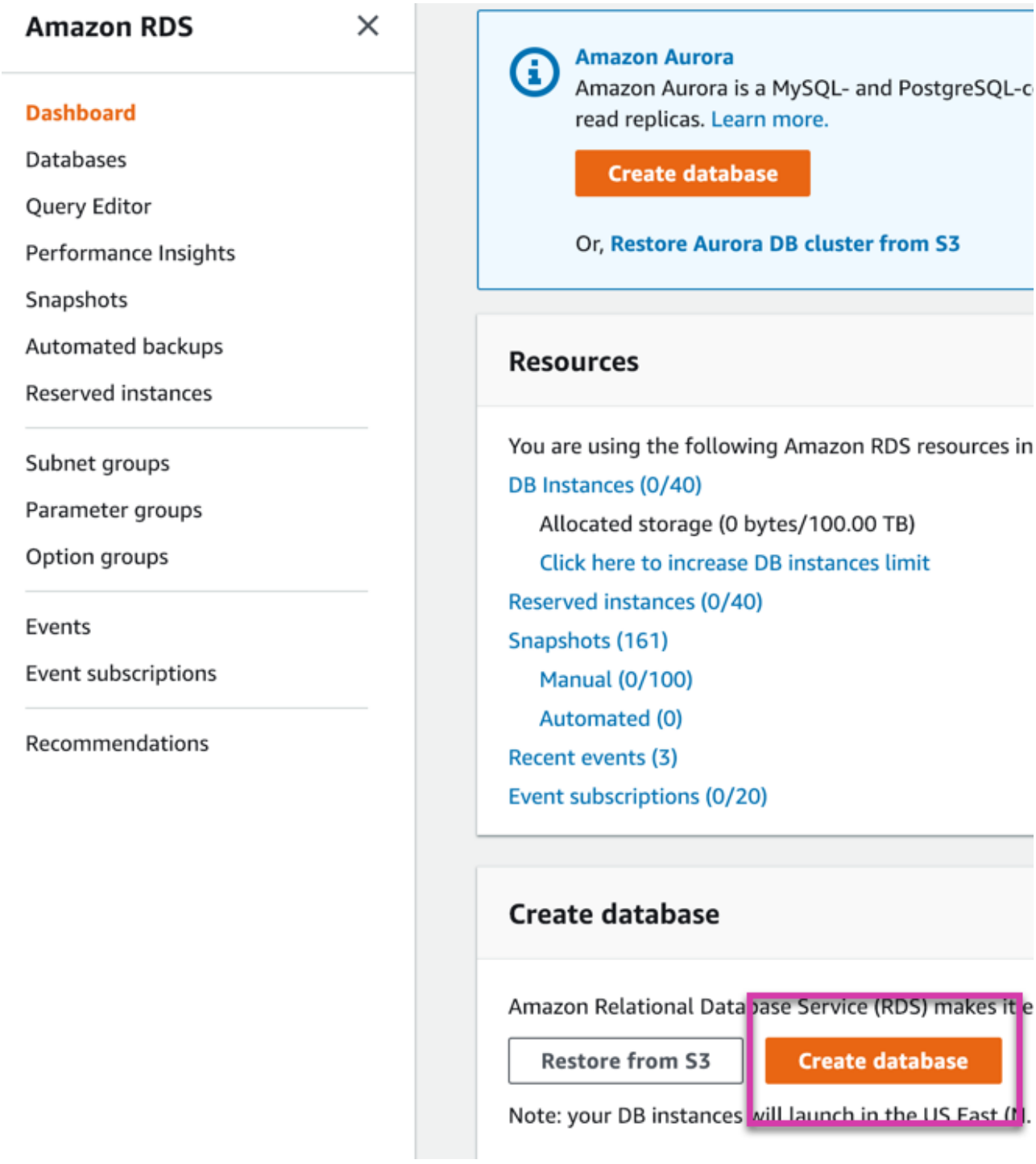
Creating a PostgreSQL Database in AWS RDS

- Log in to the AWS Management Console and navigate to the **RDS** section under **Database**.



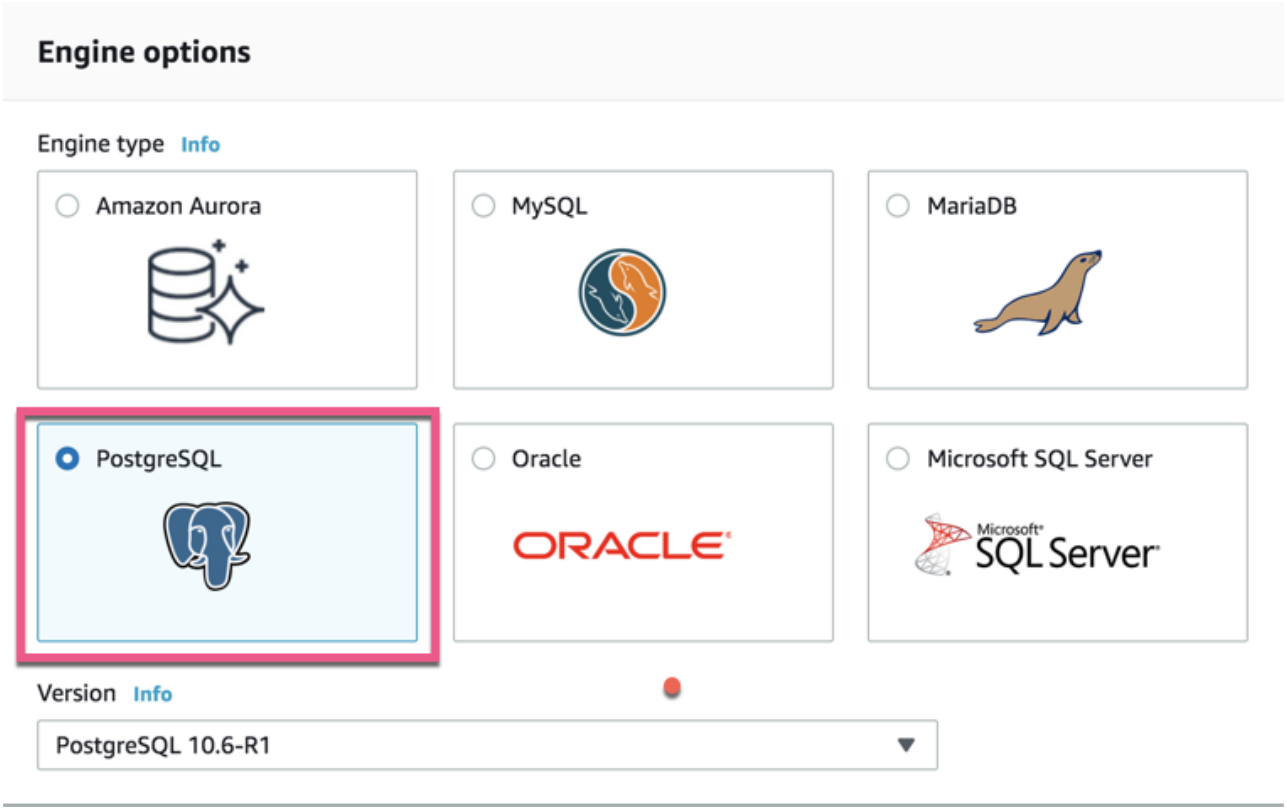
- Click **Create database** from the **Create database** section to the right. This button will take you to the **Engine options** page, which brings up a menu of different relational databases.

- **Note:** AWS may have a different screen than the one pictured below. If this is the first time using the service, the orange **Create database** will still be on the right.

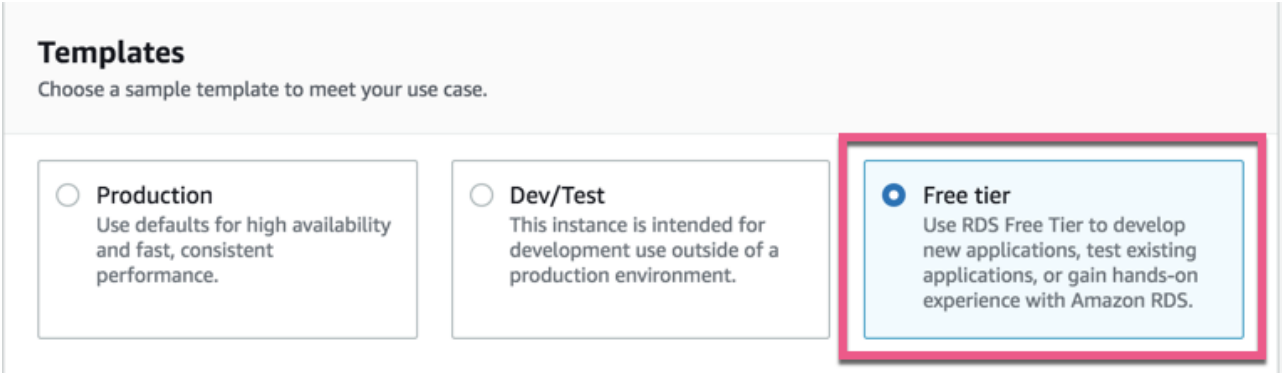


Note: There may be an option to create a database with Amazon Aurora, which is a paid database. We will not be using this in today's lesson.

- **IMPORTANT:** Check the box next to **Only enable options eligible for RDS Free Usage Tier** at the bottom of the menu.
- Select **PostgreSQL**.



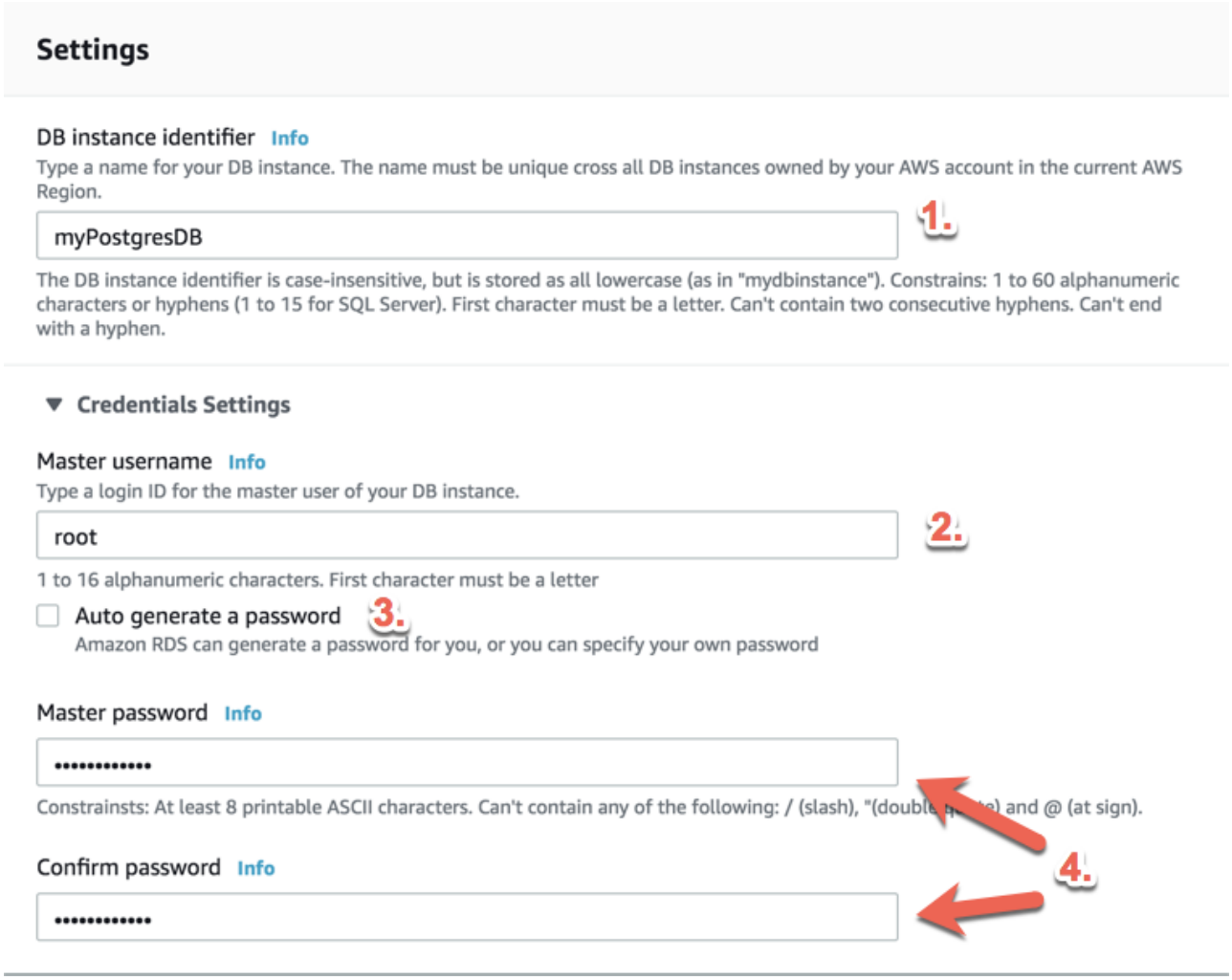
- Under **Templates** select **Free Tier**.



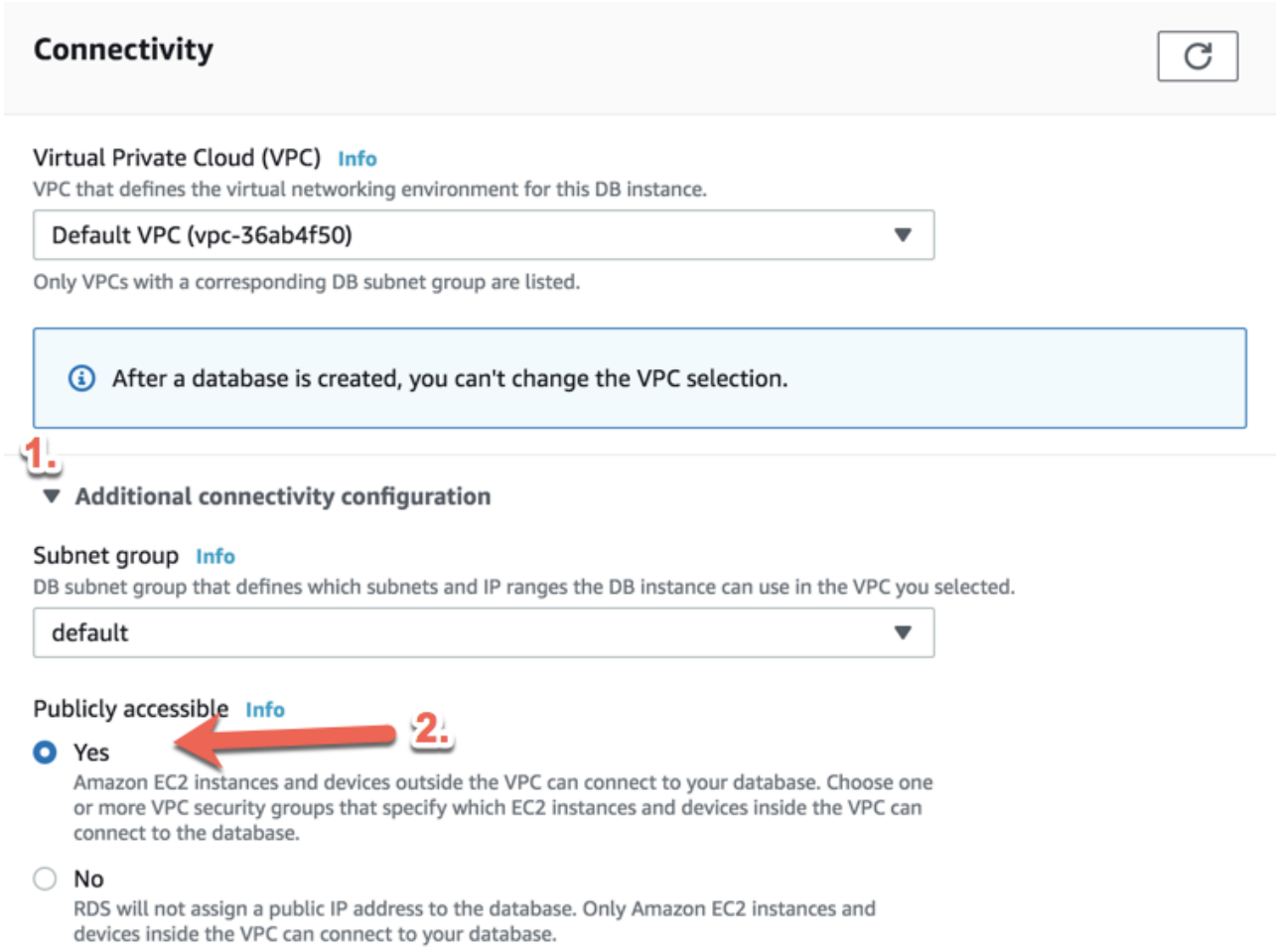
- Fill out the fields under Settings. Use **myPostgresDB** as the database instance identifier and **root** as the master username.

  Note: While the database instance identifier and master username can be anything, we recommend sticking to these settings in this case for consistency.

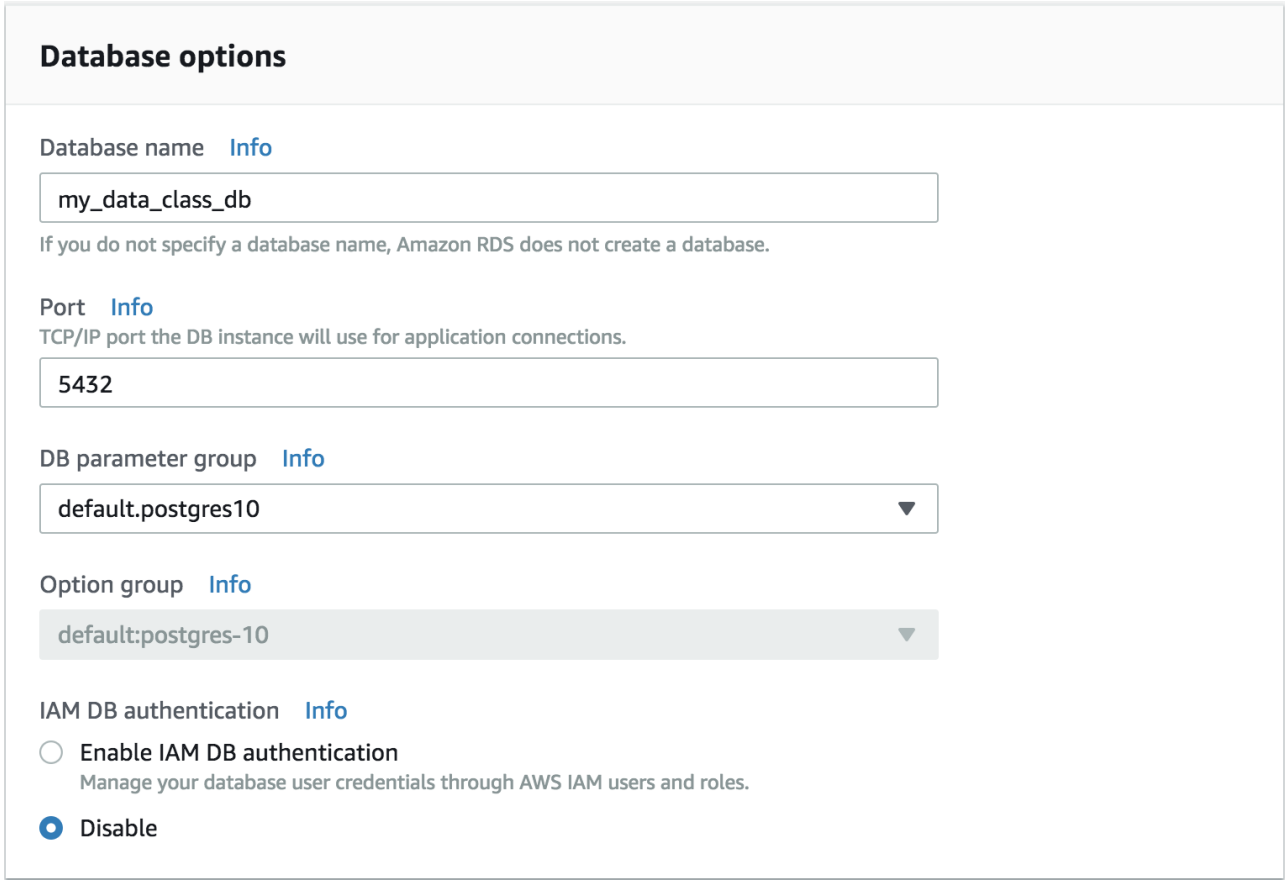
- Un-check the **Auto generate password** box. Enter a password and be sure to record it somewhere. The other settings will be accessible in the future, but the password will not.



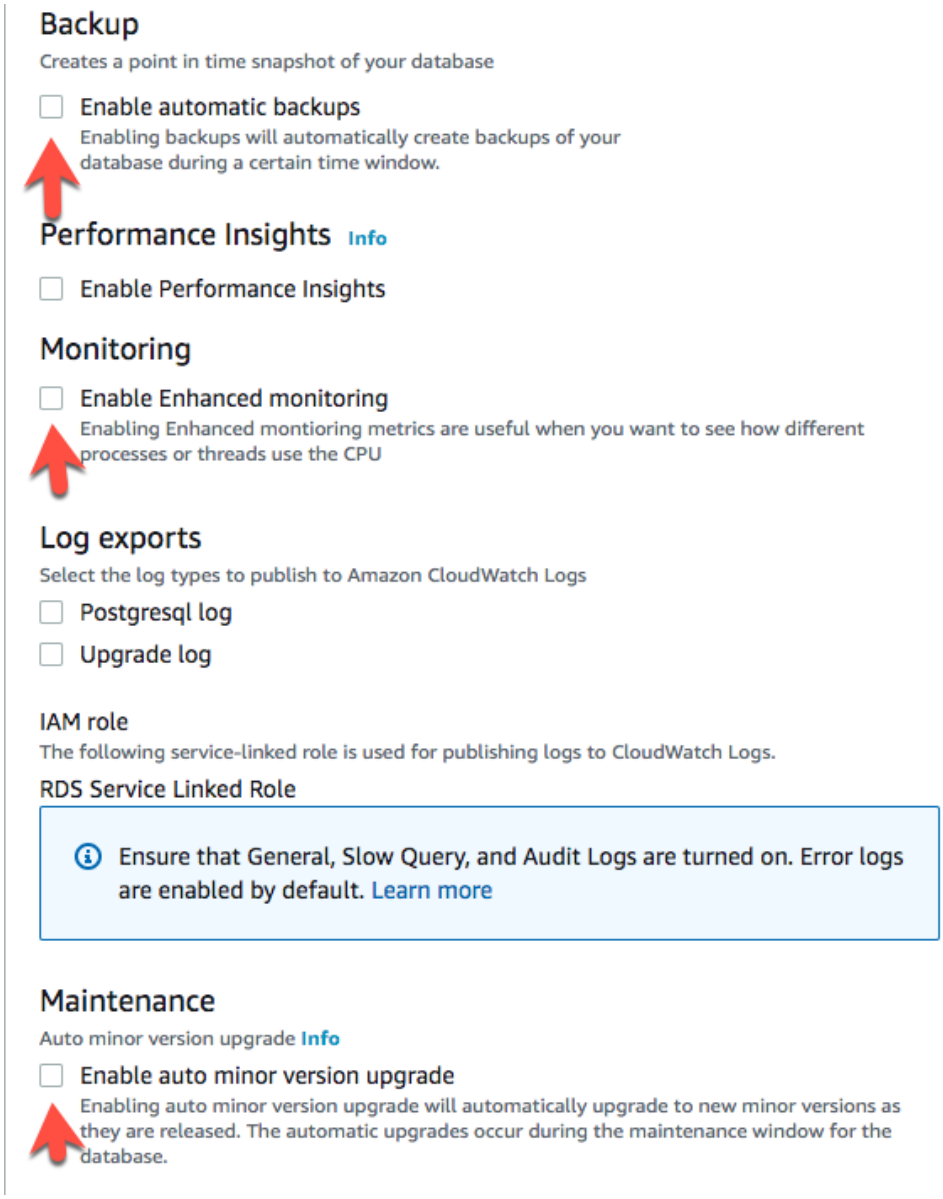
- Under **Connectivity** click the down arrow next to **Additional connectivity configuration**. Select **Yes** under the **Public accessibility** option. Explain that this does not mean anyone can access the database, as a password is still required, but it allows connections from outside sources like pgAdmin.



- Under **Additional configuration**, click the down arrow and make the database name **my_data_class_db**. (Use this name for the sake of consistency. In the future, any name can be used.) Keep the default settings in the other fields.



- Un-check the boxes for **Enable automatic backups**, **Enable Performance Insights**, and **Enable auto minor version upgrade**.



- Click **Create Database** followed by **View DB Instance details** to navigate to the instance console page. The database creation on AWS's end will take anywhere from 10 to 15 minutes.