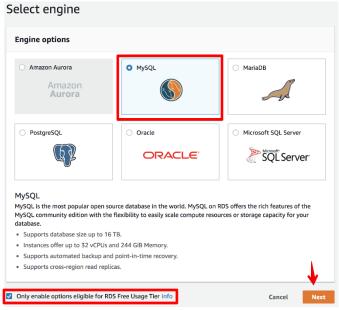
Task #8 - RDS

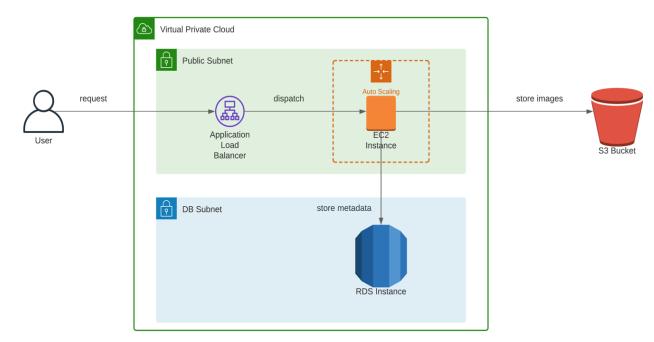
What to do

1. Create an RDS instance in one of the DB subnets of your VPC. **WARNING: Select a free-tier eligible engine option**.



- 2. Update your web application to include the following functions:
 - a. download an image by name
 - b. show metadata for the existing images
 - c. upload an image
 - d. delete an image by name
 - e. get metadata for a random image
- 3. After uploading some images, make some SQL queries to the RDS instance bypassing the webapplication for example, from the EC2 instances over SSH.
- 4. The image metadata should include last update date, name, size in bytes, and file extension.

5. The overall infrastructure should look like this:



- 6. Ensure the following non-functional criteria are met:
 - a. the EC2 instance should use IAM roles to access RDS/S3
 - b. the EC2 instance should claim the role using the AWS credentials provider chain
- 7. Optional: use AWS Identity and Access Management (IAM) database authentication to connect your application to the DB instance.

What should I remember?

- 1. Once you create AWS Account -> Setup Multi-factor Authentication
- 2. Do NOT share your account
- 3. Do NOT commit your account Credentials into the Git
- 4. Terminate/Remove all created resources/services once you finish Module
- 5. Please Do not forget to delete NAT Gateway if you used it.
- 6. Do NOT keep instance running if you don't use it
- 7. Carefully keep track of billing and working instances so you don't exceed limits

^{*} Optional Task is not mandatory for completion this module but highly recommended, if you don't have a time to complete it - just skip it