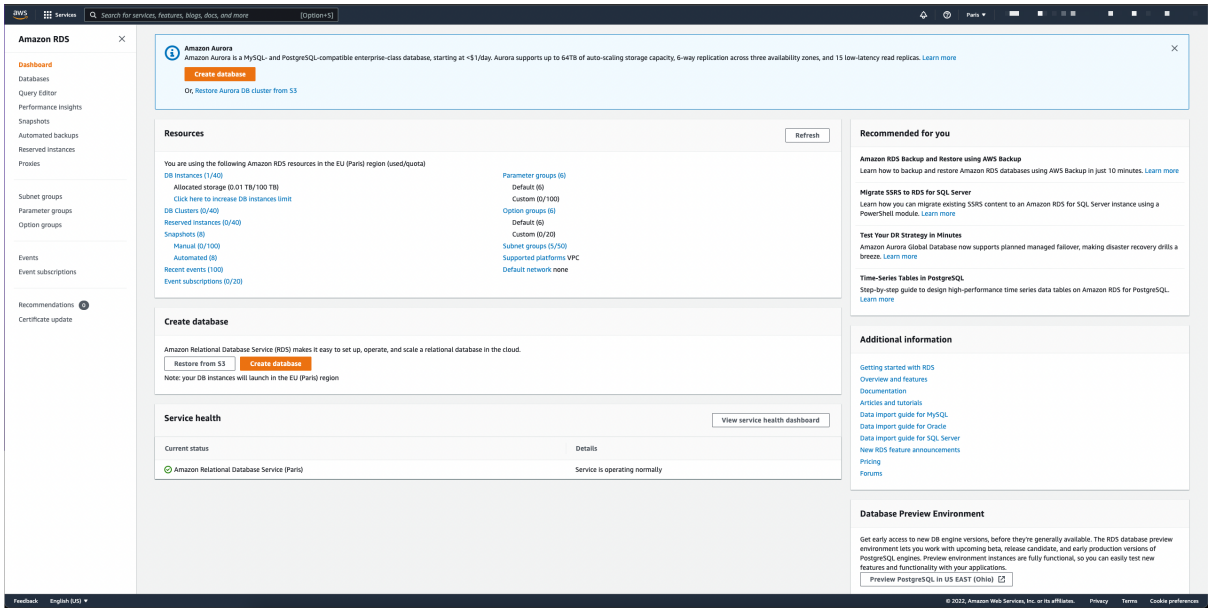
Create RDS Database

To connect your Query cluster(s) to the created RDS database

1. Create RDS database

Go to the AWS RDS console and click `Create database`



2. Select your database type

- We will need to create a dedicated VPC, so select `Standard create`.
- Then chose your database type (we'll use PostgreSQL for our example) and the version.
- Since we're creating a production database, we'll select the `Production` template. You can pick `Dev/Test` template for non-production environments.

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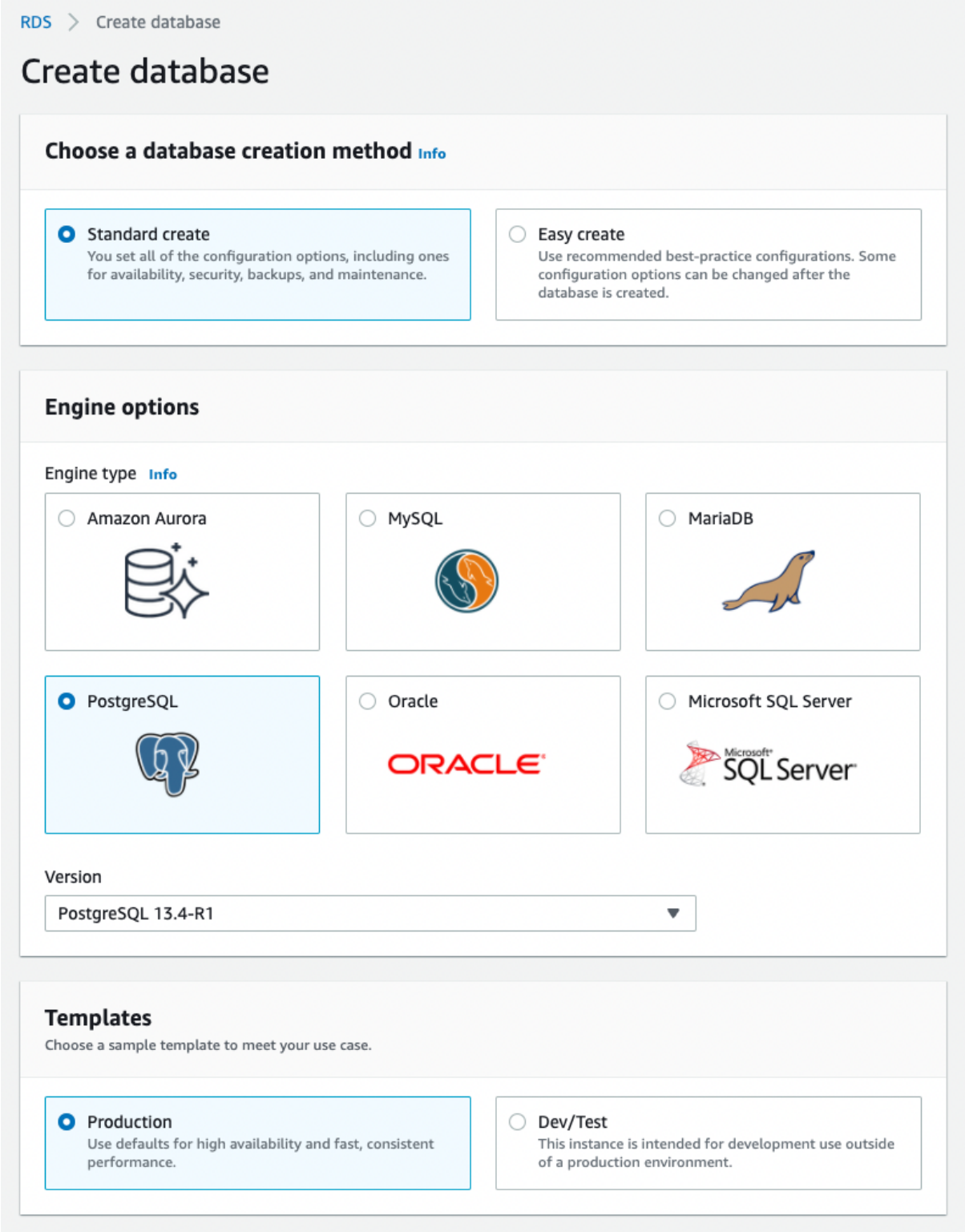

3. Settings

Select a name for your RDS instance, here `my-production-database`, master username and password.

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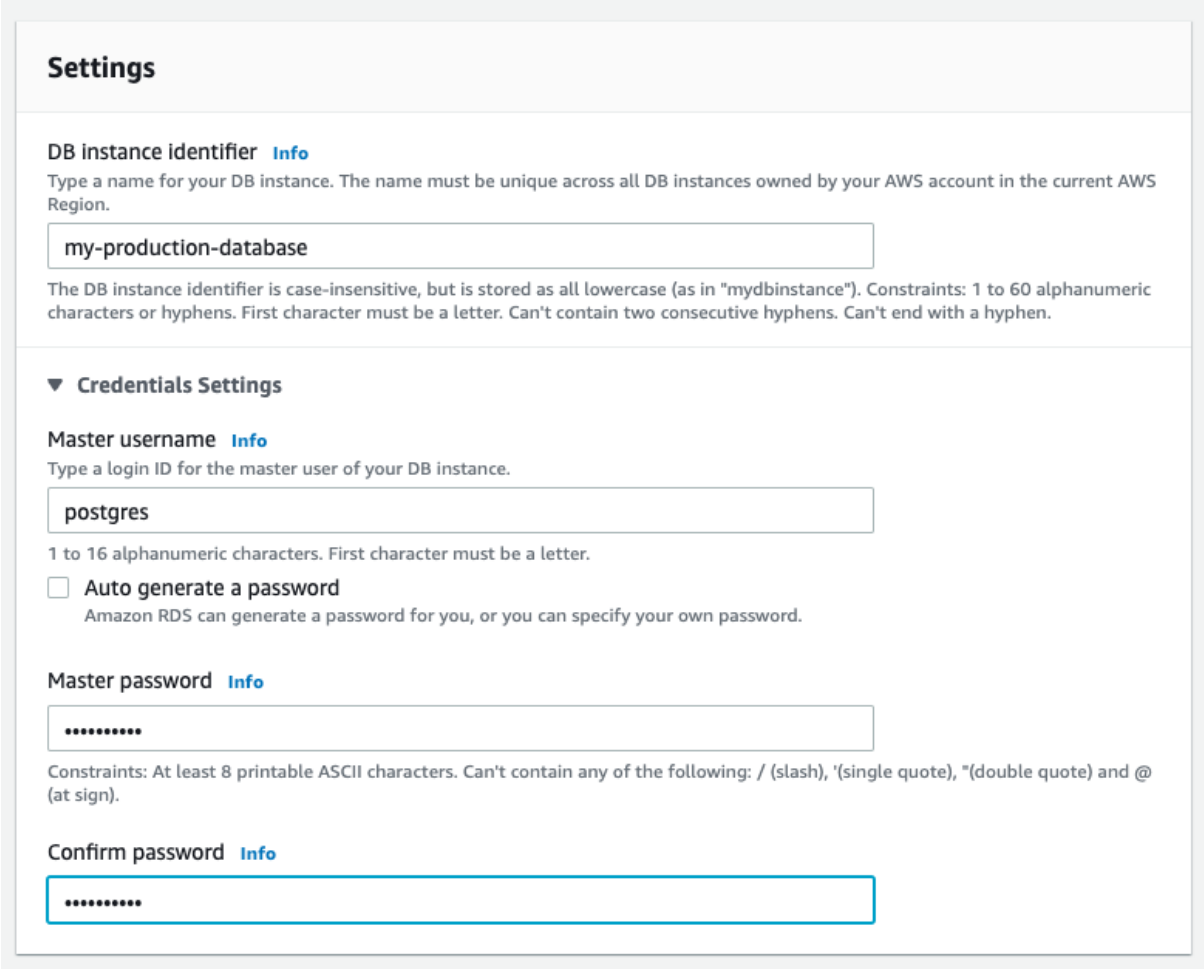
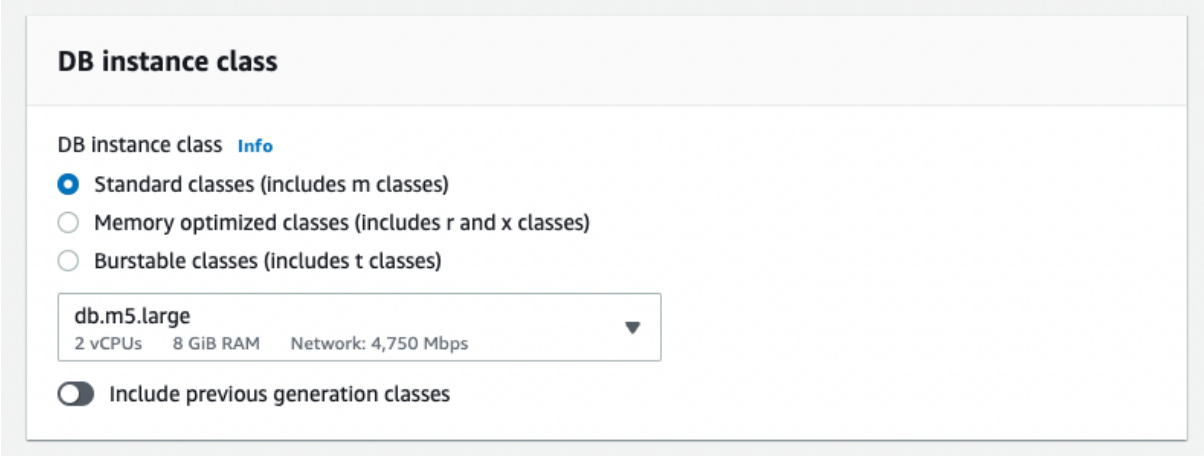


4. Instance class

Pick an instance class that works for your needs. You can refer to this document for more information about the different options: https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.DBInstanceClass.html



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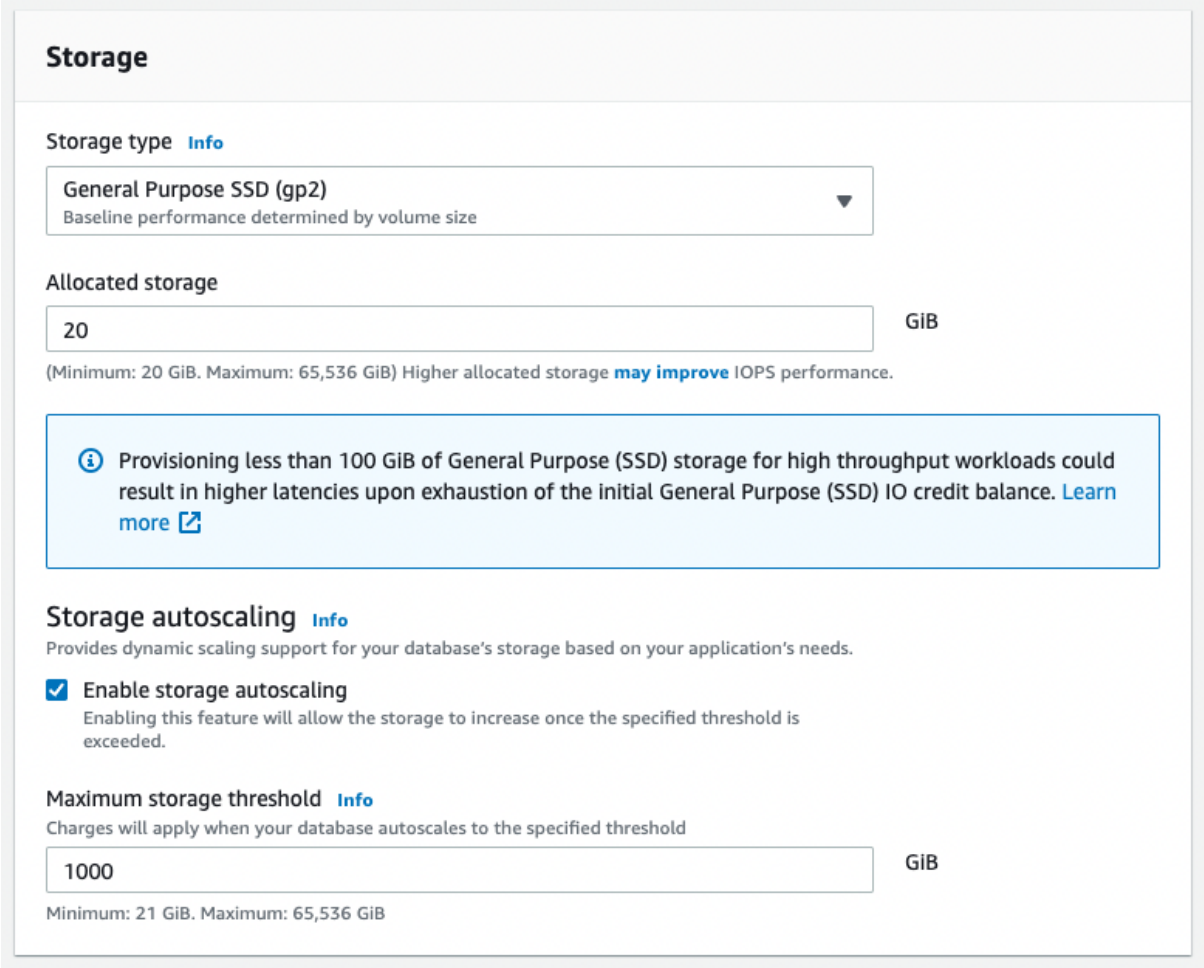
5. Storage

`General Purpose SSD` should be the right option for most cases. Chose the allocated storage that fits the needs of your application. We also advise you to `Enable storage autoscaling` in case you need more storage over time.



6. Availability & durability

For a production setup you should `Create a standby instance`. For non-production usecase you can avoid it to reduce costs.

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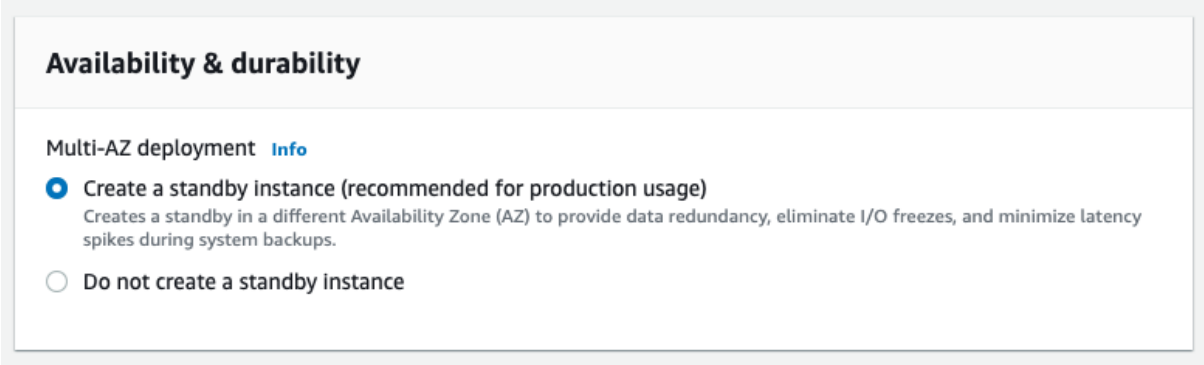

7. **Connectivity**
    - Since we want the database to live in it's own VPC, make sure to select the `Create new VPC` option.
    - Also select `Create new DB Subnet Group`.
    - We advise you to disable `Public access` for security reason. We'll setup VPC peering in the next guide to allow access from your Qovery clusters through private networking.
    - Finally chose `Create new` security group and give it a name.

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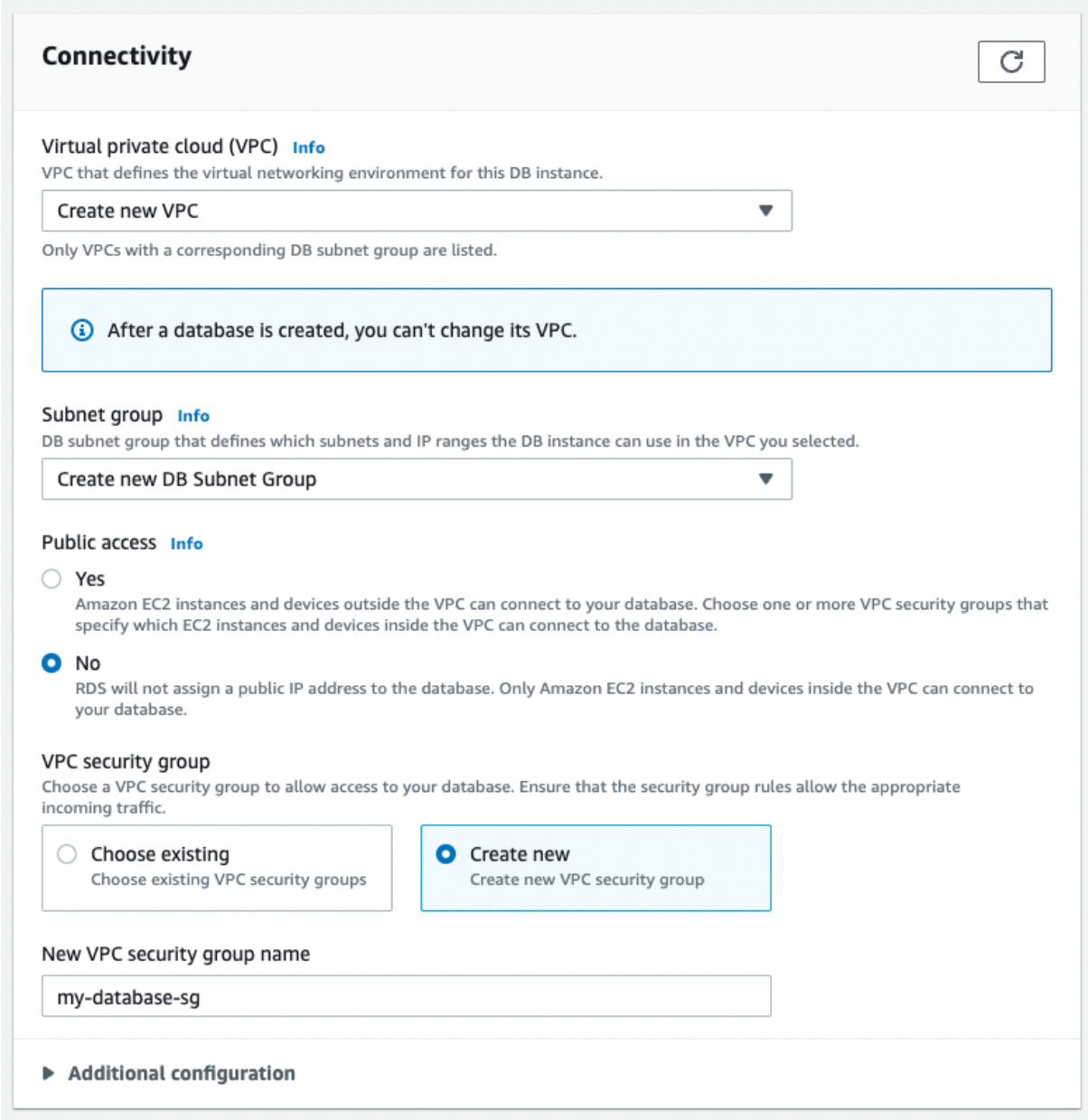

8. Database authentication and estimated costs

Chose `Password authentication`.

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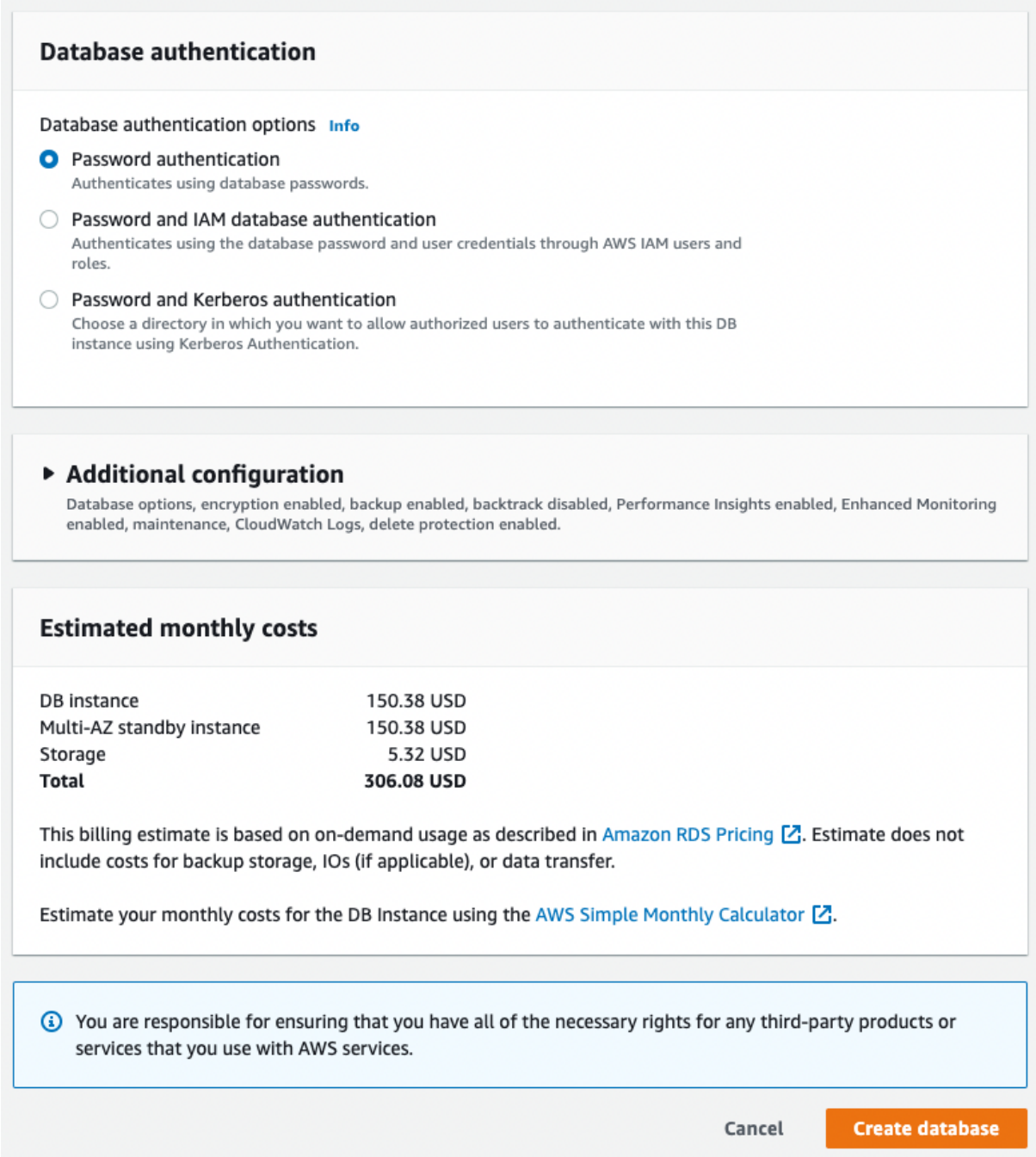

You can then click on `Create database`

9. Database creation

You should see your new RDS instance in the list of databases, with the `Creating` status.

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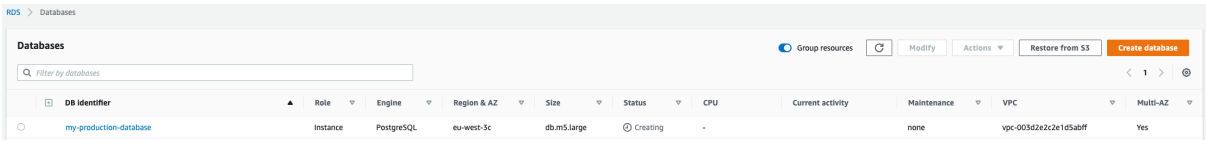
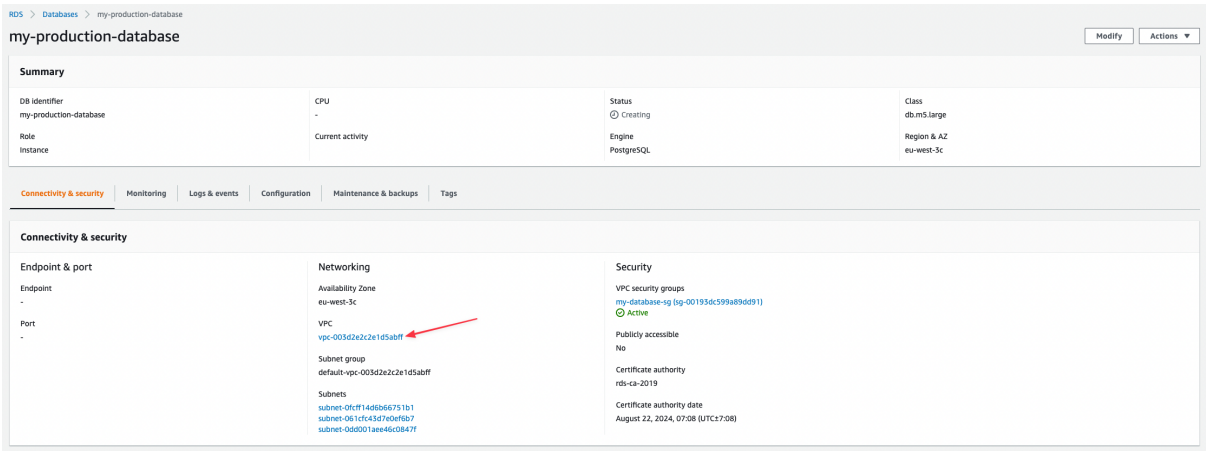


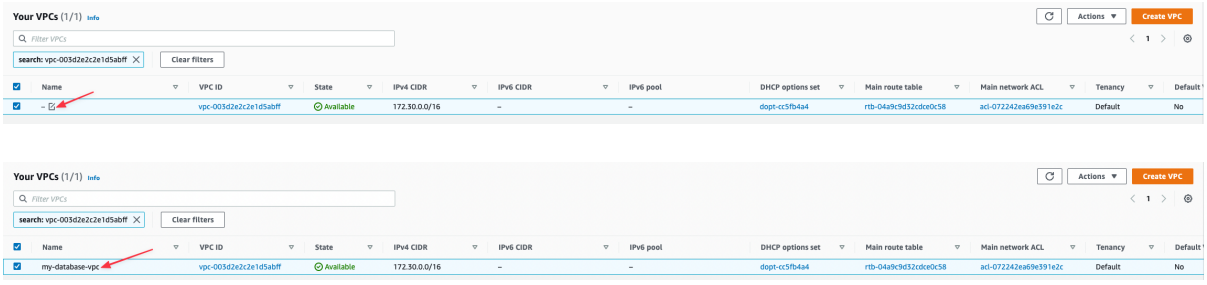
10. Name your RDS VPC

The VPC created for the new RDS database will be named –. For convenience you should rename it.

Click on your database in the list, then on the VPC id.



You will be redirected to the VPCs list, filtered on the VPC id. Click on the edit icon in the `Name` column, and give it a meaningful name.



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