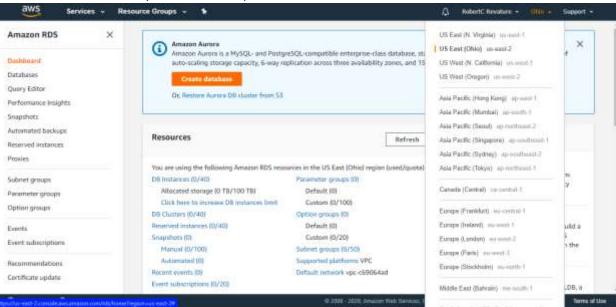
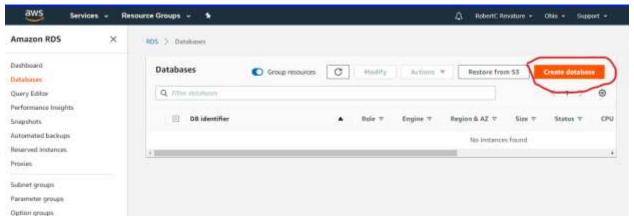
Make a PostgreSQL DB instance on AWS

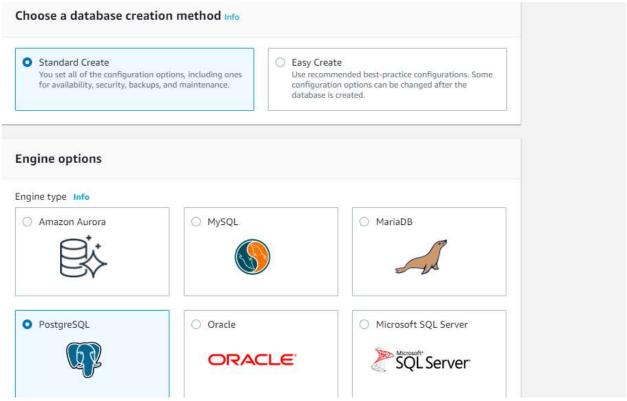
- 1. Go to http://aws.amazon.com
- 2. Sign into the console and go to services > RDS
- 3. Select the region to use for the db.
 - a. Select the one closest to you for the best performance.



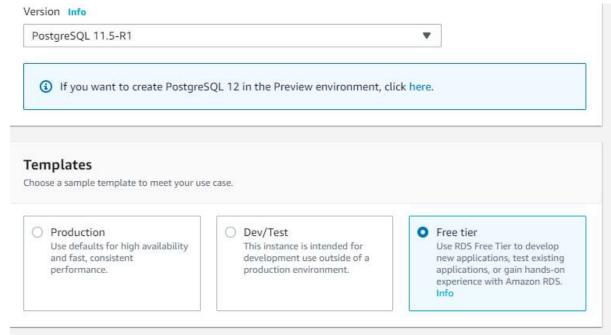
- 4. Select DB Instances
- 5. Select Create Database



6. In the configurations, change the following:



- a. Click Standard Create
- b. Click the icon for PostgreSQL
- c. Select the latest version



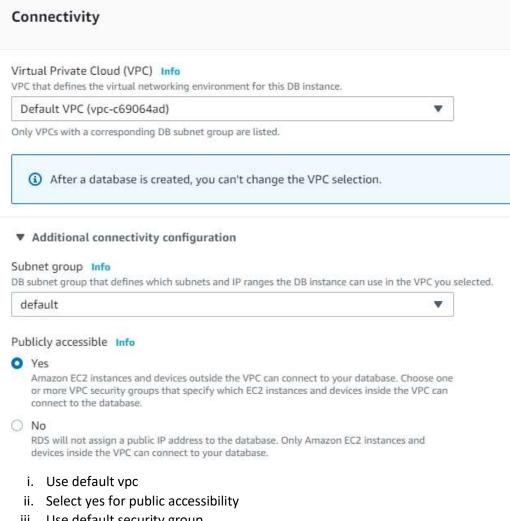
- d. Select Free Tier
- e. For DB instance identifier, type whatever name you want the db to have

- f. Under credentials settings:
 - i. Put in whatever username you want to sign into the db with
 - ii. Type in a master password
 - 1. Remember this, you can only reset it, never recover it
 - iii. Tv

Settings	
DB instance identifier Info	
Type a name for your DB instance. The name must be unique cross all DB instances owned be Region.	y your AWS account in the curre
whatever_you_want_tocall_it	
The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinsta characters or hyphens (1 to 15 for SQL Server). First character must be a letter. Can't contain with a hyphen.	막막 경기에 가져 있는데 아니는 아이는 아니라 아니라 가장 하는데 아이를 하면 살아 있다면 하다.
▼ Credentials Settings	
Master username Info	
Type a login ID for the master user of your DB instance.	
whatever you want to sign in to the db with	
1 to 16 alphanumeric characters. First character must be a letter	
Auto generate a password	
Amazon RDS can generate a password for you, or you can specify your own password	
Master password Info	
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash	n), "(double quote) and @ (at sign
Confirm password Info	

- g. Under db instance size, you can mainly leave this alone, make sure you stay under the free tier
- h. Leave storage section alone.

i. For connectivity:



- iii. Use default security group
- iv. Leave the rest alone
- Leave database authentication alone at password authentication

k. Under additional configuration:

▼ Additional configuration

Database options, backup disabled, backtrack disabled, Performance Insights disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, delete protection disabled

Database options	
Initial database name Info	
If you do not specify a database name, Amazon RDS does not create a database.	
DB parameter group Info	
default.postgres11	•
Option group Info	
default:postgres-11	v
Backup	
Creates a point in time snapshot of your database	
Enable automatic backups Enabling backups will automatically create backups of your database during a certain time window.	
Performance Insights Info	
Enable Performance Insights	

- i. Deselect:
 - 1. Enable automatic backups

2. Enable performance insights Monitoring Enable Enhanced monitoring Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU Log exports Select the log types to publish to Amazon CloudWatch Logs Postgresql log Upgrade log IAM role The following service-linked role is used for publishing logs to CloudWatch Logs. RDS Service Linked Role i Ensure that General, Slow Query, and Audit Logs are turned on. Error logs are enabled by default. Learn more Maintenance Auto minor version upgrade Info Enable auto minor version upgrade Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database. 3. Enable performance monitoring 4. all log exports Maintenance Auto minor version upgrade Info Enable auto minor version upgrade Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window Info

Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

Select window

No preference

Deletion protection

Enable deletion protection

Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

ii. The rest can be selected as needed

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you use the Amazon RDS resources listed below for free:

- · 750 hrs of Amazon RDS in a Single-AZ db.t2.micro Instance.
- · 20 GB of General Purpose Storage (SSD).
- · 20 GB for automated backup storage and any user-initiated DB Snapshots.

Learn more about AWS Free Tier. [2]

When you free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, as-you-go service rates as described in the Amazon RDS Pricing page.

- I. You should see the estimated monthly cost at the bottom. There should not be a actual cost, you should see as above.
- m. After creating the db and clicking on its name, you should see the summary as below.

