



# Connect a Web App to Amazon Aurora



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**Create database** Info

**Choose a database creation method**

**Standard create**  
You set all of the configuration options, including ones for availability, security, backups, and maintenance.

**Easy create**  
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

**Engine options**

**Engine type** Info

|   |   |
|---|---|
| <input checked="" type="radio"/> <b>Aurora (MySQL Compatible)</b><br> | <input type="radio"/> <b>Aurora (PostgreSQL Compatible)</b><br> |
| <input type="radio"/> <b>MySQL</b><br>                                | <input type="radio"/> <b>PostgreSQL</b><br>                     |
| <input type="radio"/> <b>MariaDB</b><br>                              | <input type="radio"/> <b>Oracle</b><br>                         |



# Introducing Today's Project!

## What is Amazon Aurora?

Amazon Aurora is a relational database that is cost-effective, scalable and offers high-performance. This database is compatible with MySQL and PostgreSQL and it has other benefits like automated backups, replication and high availability.

## How I used Amazon Aurora in this project

In this project I created an Amazon Aurora database and configured it to connect to an EC2 instance.

## One thing I didn't expect in this project was...

I didn't expect how easy it was to set up Amazon Aurora and how cool it was to view the database clusters in the RDS Console.

## This project took me...

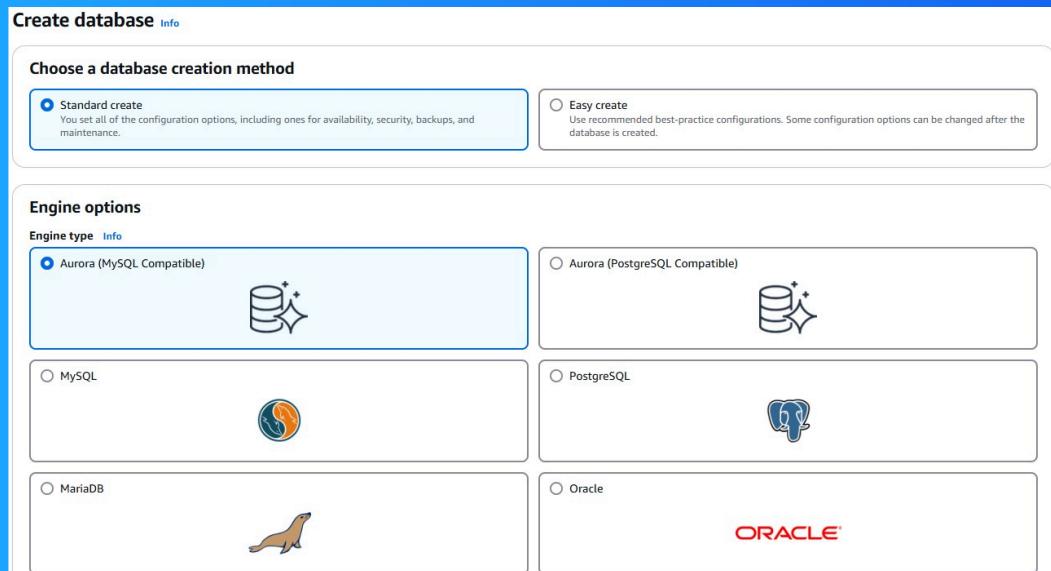
This project took me 1 hour to complete. I took another 20 minutes to write up my documentation.

# In the first part of my project...

## Creating an Aurora Cluster

A relational database is a type of database that organizes data into tables. These tables are made up of rows and columns like an Excel spreadsheet and are related to each other, which explains why this database is a relational type.

Aurora is a good choice when the user needs databases that can handle high demand workloads; the user would also benefit from Aurora's optimal performance, uptime and massive scalability.



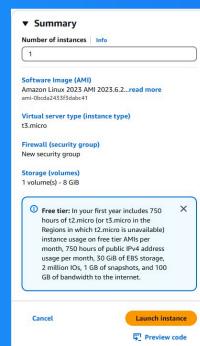
# Halfway through I stopped!

I stopped creating my Aurora database because I will need to create an EC2 instance first. After that I can create and connect the Aurora database to the EC2 instance.

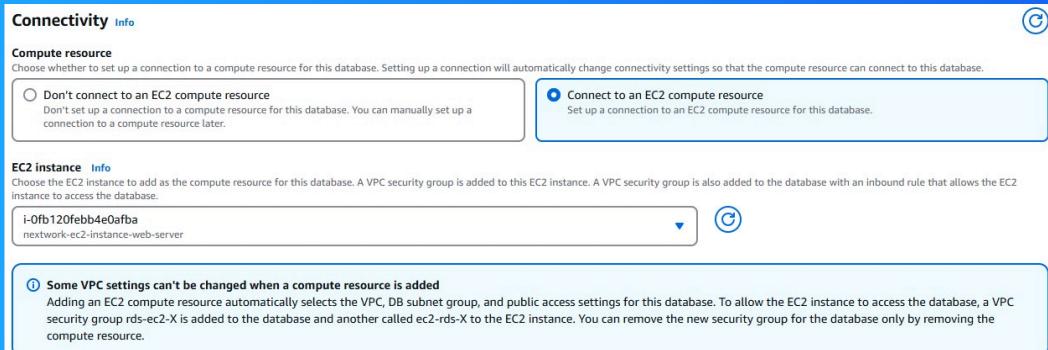
## Features of my EC2 instance

I created a new key pair for my EC2 instance because I'll be using that key to access it. By having this key I can modify the configurations in the instance.

When I created my EC2 instance, I took particular note of the key pair name and the public IPv4 DNS. The public IPv4 DNS address is how I'll find my EC2 instance. The key pair is the key that I'll use to access my EC2 instance.



# Then I could finish setting up my database



Aurora Database uses clusters because then there are multiple copies of the database and it's always available. If the primary instance goes down or fails, then one of the read replicas can automatically become a primary instance as a backup.



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