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# Connect a Web App to Amazon Aurora



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> Create database

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

**Engine options**

Engine type Info

<input checked="" type="radio"/> Aurora (MySQL Compatible) 	<input type="radio"/> Aurora (PostgreSQL Compatible) 
<input type="radio"/> MySQL 	<input type="radio"/> PostgreSQL 
<input type="radio"/> MariaDB 	<input type="radio"/> Oracle 
<input type="radio"/> Microsoft SQL Server 	<input type="radio"/> IBM Db2 

Engine version

Aurora MySQL 3.05.2 (compatible with MySQL 8.0.32) - default for major version 8.0

Enable RDS Extended Support Info  
Amazon RDS Extended Support is a paid offering. By selecting this option, you consent to being charged for this offering if you are running your database major version past the RDS end of standard support date for that version. Check the end of standard support date for your major version in the Amazon Aurora documentation.

# Introducing Today's Project!

## What is Amazon Aurora?

Amazon Aurora is an AWS relational database service that is best suited for large scale databases that require high performance and uptime.

## How I used Amazon Aurora in this project

we used Amazon Aurora in today's project by creating an Amazon Aurora database, setting up an EC2 instance (web server) separately, and then connecting that Aurora database to our EC2 instance.

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

One thing I didn't expect in this project was that I had to create my EC2 instance first before finishing set up our Amazon Aurora database.

## This project took me...

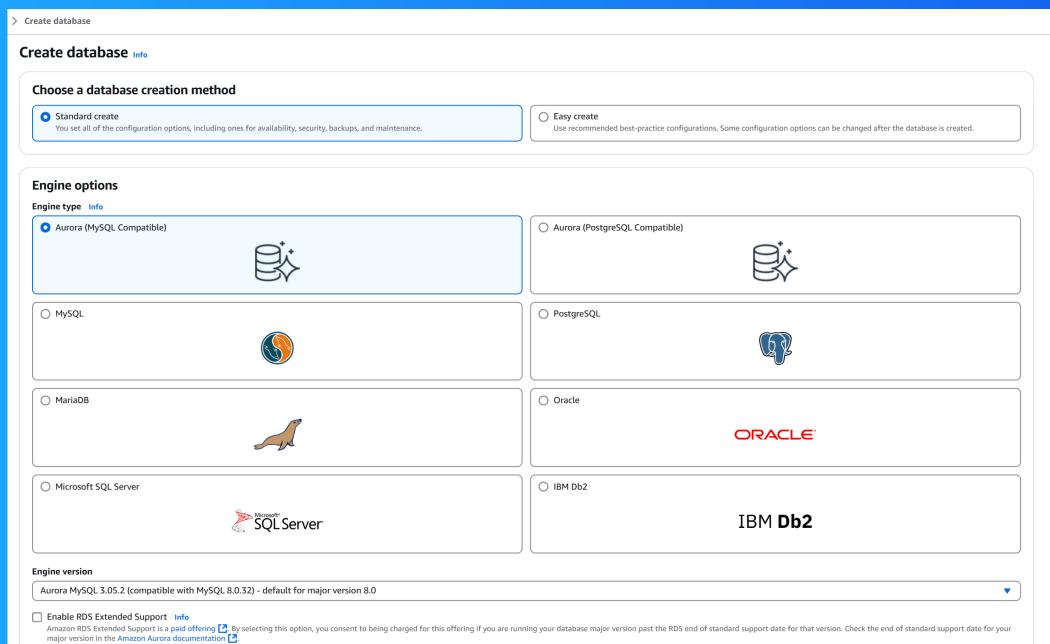
This project took me nearly 2 Hours include documentation.

# In the first part of my project...

## Creating an Aurora Cluster

A relational database is a type of database that organizes data into tables, which are collections of rows and columns. Kind of like a spreadsheet! We call it "relational" because the rows relate to the columns and vice-versa.

Aurora is a good choice when there are High performance and Uptime requirements for a large scale relational database.



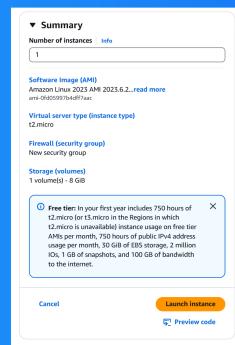
# Halfway through I stopped!

I stopped creating my Aurora database because I need to connect this database to an EC2 instance. I will need to set up that EC2 instance first before completing our database setup.

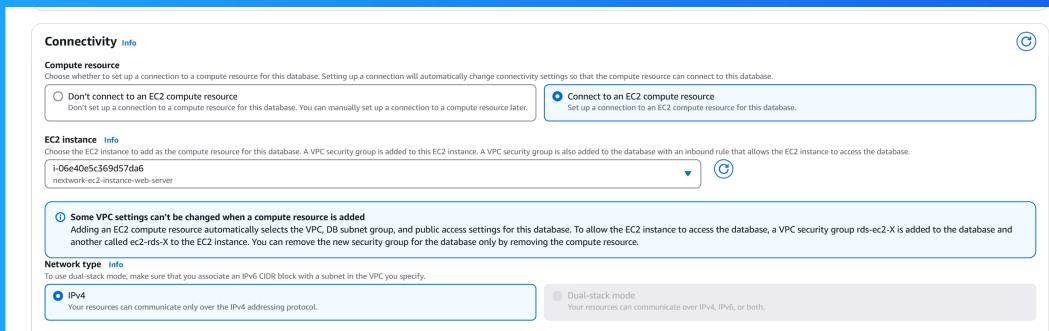
## Features of my EC2 instance

I created a new key pair for my EC2 instance because it will help secure my EC2 instance AND give me direct access to my EC2 instance.

When I created my EC2 instance, I took particular note of the EC2 instance's IPV4 DNS and key pair name! These two work together to inform us the location of the EC2 instance (i.e. our web server) and the keys that will give us access to it.



# Then I could finish setting up my database



Aurora Database uses clusters because this enables High Availability- clusters mean there are multiple copies of the same database, so that if primary instance fails, there are backups (read replicas) that would still be available/in operation.



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