



Connect A Web App with Aurora



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Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is an RDBMS which provides high performance and accessibility at a relatively cheaper cost.

How I used Amazon Aurora in this project

In this project I used Aurora as a database for a simple web application.

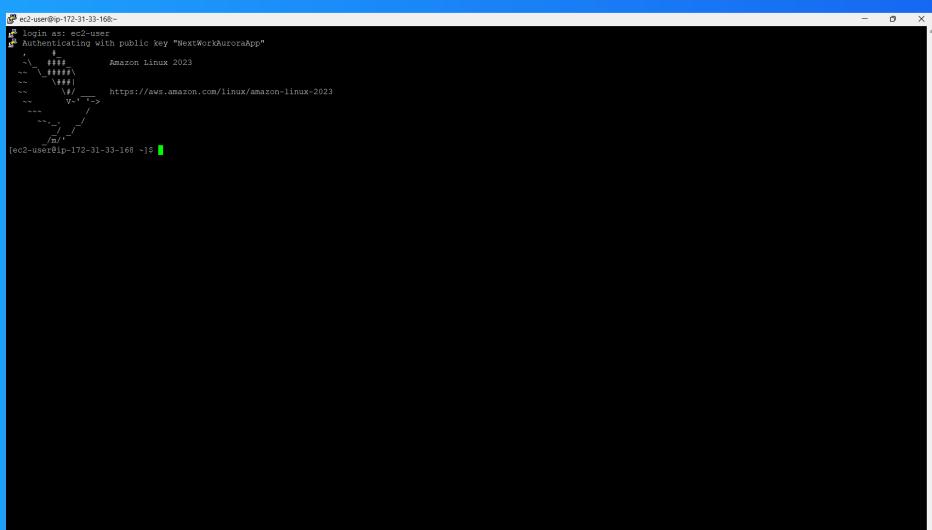
One thing I didn't expect in this project was...

Having to create an IAM user instead of using the root user. I've learnt it is a security best practice to do so.

This project took me...

About an 45 minutes

Creating a Web App



To help me create my web app, I first installed apache web server , php , php-mysqli and MariaDB

To connect to my EC2 instance, I used putty to create an SSH connection to the instance then used the .ppk key pair file I created for authentication.

Connecting my Web App to Aurora



A screenshot of a terminal window titled "dbinfo.inc" showing the contents of a file in the nano text editor. The file contains PHP code defining database connection parameters:

```
ec2-user@ip-172-31-33-168:var/www/inc
GNU nano 5.8                               dbinfo.inc

define('DB_SERVER','nextwork-db-cluster-1.cluster-cruugo4pagm.us-east-1.rds.amazonaws.com');
define('DB_USERNAME', 'admin');
define('DB_PASSWORD', 'password43!');
define('DB_DATABASE', 'sample');

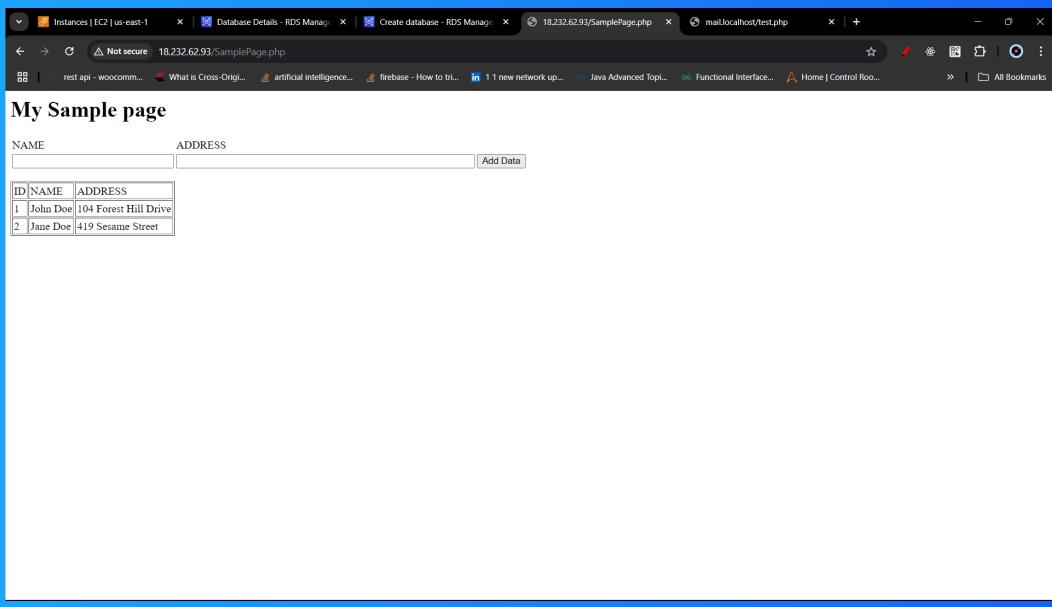
T
```

I set up my EC2 instance's connection details to my database by creating a .inc file and the creating the contents I need to establish the connection like database host , user name , password and database name

To connect to my EC2 instance, I used putty to create an SSH connection to the instance then used the .ppk key pair file I created for authentication.



My Web App Upgrade

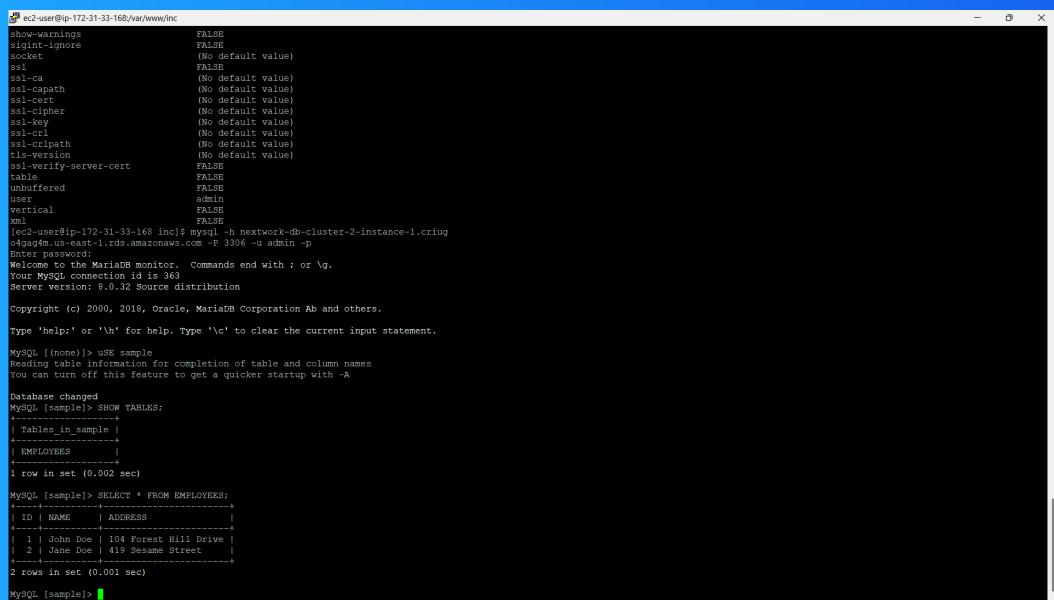


Next, I upgraded my web app allowing users to make entries into the database through the web app.



Testing my Web App

To make sure my web app was working correctly, I made sample entries and refreshed the page to see if they still show up



The screenshot shows a terminal window with a blue background. It displays a MySQL session on an Amazon RDS instance. The user has run several commands to check the database:

```
show warnings
show variables
show grants
show databases
use sample
show tables
select * from employees;
```

The output shows the creation of a database named 'sample' and its first table, 'employees', which contains two rows of data: John Doe and Jane Doe.



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