



Connect A Web App with Aurora



Karen Hanson



Sample page

ID	NAME	ADDRESS
1	karen	karenlanson292@gmail.com
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3	David	davidsarun7005@gmail.com
4	victor	victor_okyere@yahoo.com



Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is a fully managed relational database service by Amazon Web Services (AWS), compatible with MySQL and PostgreSQL. It is known for its high performance, delivering up to five times the speed of standard MySQL.

How I used Amazon Aurora in this project

In today's project, I used Amazon Aurora as the database for my web application hosted on an EC2 instance. I began by creating an Aurora MySQL database cluster and configured the necessary security groups for secure connectivity with my EC2 instance.

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

One thing I didn't expect in this project was the complexity involved in configuring the security settings for the Amazon Aurora database and ensuring proper connectivity with the EC2 instance.

This project took me...

it took me a minimum of 4 hours to complete this project



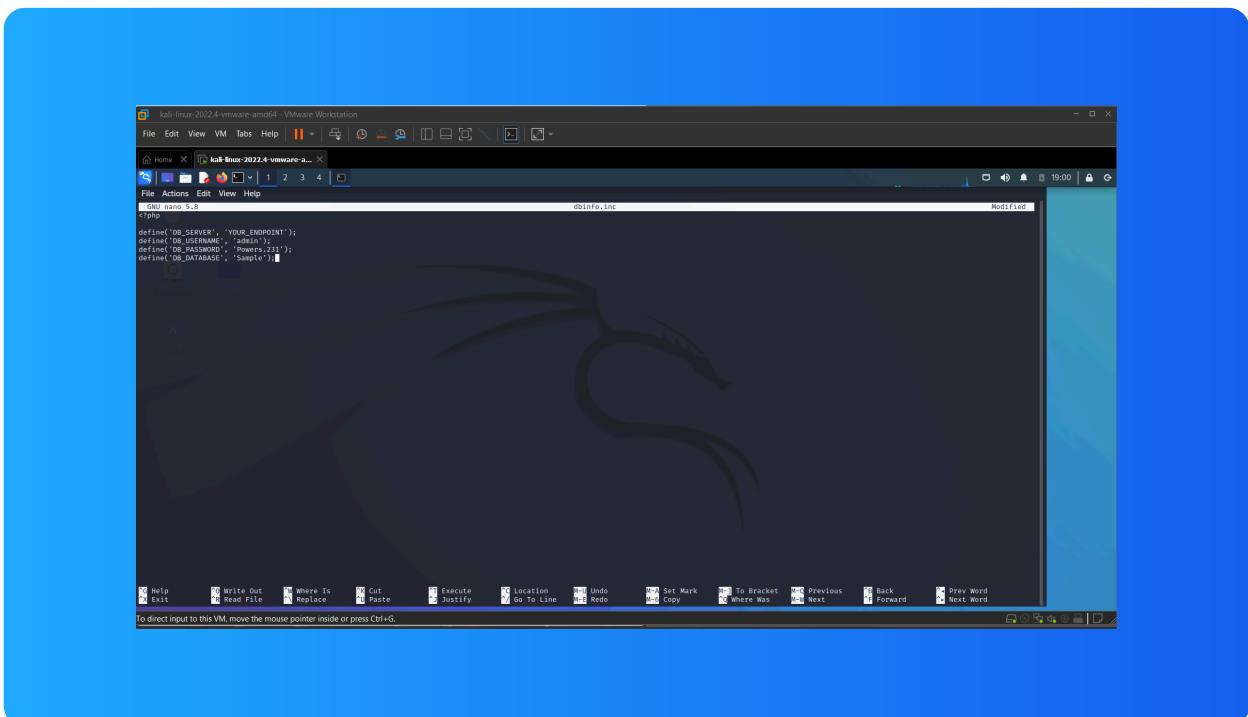
Creating a Web App

```
Warning: Permanently added 'ec2-13-40-43-120.eu-west-2.compute.amazonaws.com' (ED25519) to the list of known hosts.  
'_.#_ Amazon Linux 2023  
~\###\ https://aws.amazon.com/linux/amazon-linux-2023  
~\###/  
~\#/ v-'-->  
~~~ ./. /  
~/m/'  
ec2-user@ip-172-31-28-242 ~]$
```

To help me create my web app, I first installed the necessary software and dependencies on my EC2 instance. This includes setting up a web server (like Apache or Nginx) to handle HTTP requests, installing the relevant programming language (php)

To connect to my EC2 instance, I will use SSH (Secure Shell) for secure remote access. This connection is essential for configuring the server, deploying the web app, and performing maintenance. I'll obtain the public IP address or DNS name of the in

Connecting my Web App to Aurora

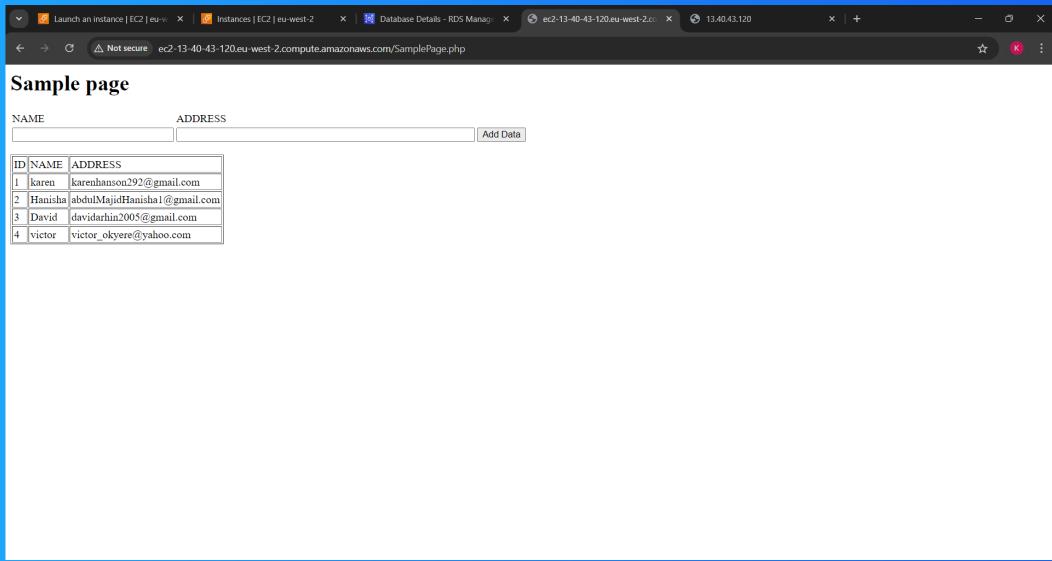


I set up my EC2 instance's connection details to my database by configuring the application with the necessary connection parameters for the Amazon Aurora MySQL database.

To connect to my EC2 instance, I will use SSH (Secure Shell) for secure remote access. This connection is essential for configuring the server, deploying the web app, and performing maintenance. I'll obtain the public IP address or DNS name of the in



My Web App Upgrade



Next, I upgraded my web app by implementing new features and enhancing its performance based on user feedback and testing results. I identified areas for improvement, added functionalities like user authentication.



Testing my Web App

To make sure my web app was working correctly, I checked if it updated my database by interacting with the app and then verifying the changes in the Aurora database using the MySQL Command-Line Interface (CLI).

```
Database changed
MySQL [Sample]> SHOW TABLES;
+-----+
| Tables_in_Sample |
+-----+
| EMPLOYEES         |
+-----+
1 row in set (0.004 sec)

MySQL [Sample]> DESCRIBE EMPLOYEES;
+-----+-----+-----+-----+-----+-----+
| Field | Type   | Null | Key | Default | Extra       |
+-----+-----+-----+-----+-----+-----+
| ID    | int unsigned | NO  | PRI | NULL    | auto_increment |
| NAME  | varchar(45)  | YES |     | NULL    |             |
| ADDRESS | varchar(90) | YES |     | NULL    |             |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.004 sec)

MySQL [Sample]> SELECT * FROM EMPLOYEES;
+---+-----+-----+
| ID | NAME | ADDRESS          |
+---+-----+-----+
| 1  | karen | karenhanson292@gmail.com |
| 2  | Hanisha | abdulMajidHanisha1@gmail.com |
| 3  | David | davidarhin2005@gmail.com |
| 4  | victor | victor_okyere@yahoo.com |
+---+-----+-----+
4 rows in set (0.001 sec)

MySQL [Sample]> █
```



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