



Connect A Web App with Aurora



Ronson Lobo

Sample page

NAME

ADDRESS

<input type="text"/>	<input type="text"/>	<input type="button" value="Add Data"/>
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ID	NAME	ADDRESS
1	Mr Eddy Example	100 Example Street, New York
2	Miss Sarah	02 Silver Lane, San Francisco



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Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is a relational database management system (RDBMS) built for the cloud with full MySQL and PostgreSQL compatibility. Aurora gives you the performance and availability of commercial-grade databases at one-tenth the cost.

How I used Amazon Aurora in this project

I used Amazon Aurora to connect Ec2 instance and a web app to store data

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

I was not expecting so much of linux code

This project took me...

I was able to complete this in 2 hours



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Creating a Web App

```
C:\Users\ronso\Downloads>ssh -i "mykey.pem" ec2-user@ec2-15-207-114-181.ap-south-1.compute.amazonaws.com
  _#_
 /### \
 \###\      Amazon Linux 2023
 \###|
 \#/ ___ https://aws.amazon.com/linux/amazon-linux-2023
 \_\_v-->
   _/
   _/_/
   _/_/
 [ec2-user@ip-172-31-13-147 ~]$ |
```

an Apache web server - PHP - DNF- MariaDB

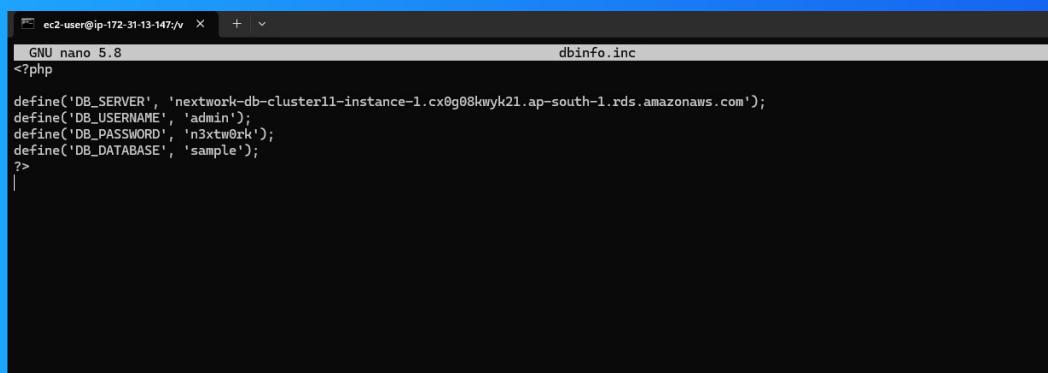
Open an SSH client. Locate your private key file. The key used to launch this instance is mykey.pem Run this command, if necessary, to ensure your key is not publicly viewable. chmod 400 "mykey.pem" Connect to your instance using its Public DNS:



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Connecting my Web App to Aurora



```
ec2-user@ip-172-31-13-147:~ % nano dbinfo.inc
GNU nano 5.8
dbinfo.inc
<?php
define('DB_SERVER', 'nextwork-db-cluster11-instance-1.cx0g08kwyk21.ap-south-1.rds.amazonaws.com');
define('DB_USERNAME', 'admin');
define('DB_PASSWORD', 'n3xtw0rk');
define('DB_DATABASE', 'sample');
?>
|
```

I set up my EC2 instance's connection details to my database by connecting the endpoint of my database

Open an SSH client. Locate your private key file. The key used to launch this instance is mykey.pem Run this command, if necessary, to ensure your key is not publicly viewable. chmod 400 "mykey.pem" Connect to your instance using its Public DNS:



My Web App Upgrade

Sample page

NAME

ADDRESS

Add Data

ID	NAME	ADDRESS
1	Mr Eddy Example	100 Example Street, New York
2	Miss Sarah	02 Silver Lane, San Francisco

Next, I upgraded my web app by Navigating to the HTML folder and created a file and added the given code into it



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Testing my Web App

To make sure my web app was working correctly, I checked the data entries

```
MySQL [sample]> SELECT * FROM EMPLOYEES;
+----+-----+-----+
| ID | NAME           | ADDRESS        |
+----+-----+-----+
| 1  | Mr Eddy Example | 100 Example Street, New York |
| 2  | Miss Sarah      | 02 Silver Lane, San Francisco |
+----+-----+-----+
2 rows in set (0.001 sec)
```



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