



Connect A Web App with Aurora

 Victor

Sample page

NAME	ADDRESS
<input type="text"/>	<input type="text"/>
<input type="button" value="Add Data"/>	

ID	NAME	ADDRESS
1	Joe	ashtech.org



Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is a fully managed relational database engine designed for high performance, availability, and scalability. It is compatible with both MySQL and PostgreSQL, allowing users to migrate easily from these databases.

How I used Amazon Aurora in this project

I used Amazon Aurora to store data about employees and linked it to a web app

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

I did not expect that updating the database manually in the backend would still update the table frontend.

This project took me...

This project took me about 2 hours to complete.



Victor

NextWork Student

NextWork.org

Creating a Web App

I installed PHP, MariaDB, the apache web server, and the php-mysqli.

I SSH'ed into the EC2 instance using the CLI and the PEM file I created



Connecting my Web App to Aurora

The screenshot shows a terminal window titled "ec2-user@ip-172-31-34-65:~" running the "nano 5.8" command. The file being edited is named "dbinfo.inc". The code in the file is:

```
<?php
define('DB_SERVER', 'webapp-database-instance-1.chca28mq8347.us-east-1.rds.amazonaws.com');
define('DB_USERNAME', 'admin');
define('DB_PASSWORD', 'G!nt!st0r3$');
define('DB_DATABASE', 'sample');
?>
```

At the bottom of the terminal window, there is a menu bar with various options like Help, Exit, Write Out, Read File, Where Is, Replace, Cut, Paste, Execute, Justify, Location, Undo, Redo, Set Mark, To Bracket, Where Was, Previous, Next, Back Forward, and Prev Word.

I set up my EC2 instance connection to the database by creating a new file called the dbinfo.inc to store the connection details to the database.

I SSH'ed into the EC2 instance using the CLI and the PEM file I created



My Web App Upgrade

Sample page

NAME	ADDRESS
<input type="text"/>	<input type="text"/>
<input type="button" value="Add Data"/>	

ID	NAME	ADDRESS
1	Joe	ashtech.org

I upgraded the web app by installing php, MariaDB, the Apache web server, and the php-mysqli. These tools helped me to set up my webserver and give it the ability to connect to the ec2 instance and the database

Testing my Web App

To make sure my web app was working correctly, I connected to the database using the CLI and ran some commands to inspect the table I created

```
MySQL [sample]> SELECT * FROM Employees;
+----+----+-----+
| ID | Name | Address |
+----+----+-----+
| 1  | Joe  | ashtech.org |
+----+----+-----+
1 row in set (0.001 sec)
```



NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

