



Connect A Web App with Aurora



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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

Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is a fully managed high-performance relational database compatible with MySQL and PostgreSQL, offering scalability, reliability and security for cloud applications.

How I used Amazon Aurora in this project

I used Amazon Aurora to create database and connect it with EC2 instance.

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

I didnt expect how useful this services can be combined.

This project took me...

This project took me around 2 hours.



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NextWork Student

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Creating a Web App

```
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-172-31-36-128 ~]$
```

To help me create my web app, I first had to install few things. Apache web server, PHP, PHP-mysqli and MariaDB.

To connect to my EC2 instance, I connect to EC2 instance with the keys and the Public IPv4 DNS through SSH.

Connecting my Web App to Aurora

```
define('DB_SERVER', 'nextwork-db-cluster-instance-1.clie4eamgh2r.ap-southeast-2.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 creating a "binfo.inc" file as blank and then adding a Aurora Endpoint inside and saving it.

To connect to my EC2 instance, I connect to EC2 instance with the keys and the Public IPv4 DNS through SSH.

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 creating a new file in the html directory named SamplePage.php and adding the coding.

Testing my Web App

To make sure my web app was working correctly, I connect to my Database using MySQL CLI.

```
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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