

Connect a Web App to Amazon Aurora



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Sample page

NAME

ADDRESS

Add Data

ID	NAME	ADDRESS
1	Anon	Baker Street

Introducing Today's Project!

What is Amazon Aurora?

Amazon Aurora is a MySQL Database provided by AWS to handle high demand database situations.

How I used Amazon Aurora in this project

I used Aurora to store data pertaining to the web app.

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

I did not expect how easy it was going to be to use the CLI for both my instance and MySQL to accomplish my tasks for this project.

This project took me...

This project took me 50 minues.

[illegible]

Connecting my Web App to Aurora

```
<?php
define('DB_SERVER', 'nextwork-db-cluster-instance-1.cvky0cmocxup.ap-south-1.rds.amazonaws.com');
define('DB_USERNAME', 'admin');
define('DB_PASSWORD', 'Spidey8623');
define('DB_DATABASE', 'sample');
?>
```

I set up my EC2 instance's connection details to my database by editing the dbinfo.inc file in the instance.

To connect to my EC2 instance, I first downloaded the pem file created during key creation, then used SSH with the public IPv4 and key to login with powershell on Windows. Command: `ssh -i YOUR_PEM_FILE_NAME ec2-user@YOUR_EC2_IPv4_ADDRESS`

My Web App Upgrade

Sample page

NAME

ADDRESS

Add Data

ID	NAME	ADDRESS
1	Anon	Baker Street

Next, I upgraded my web app by creating a php page that pulls the data about our database connection and updates the page to look like the one in the screenshot.

Testing my Web App

To make sure my web app was working correctly, I first tested entering values on the webpage. After confirming that it was working I logged into my database using MySQL CLI to double check if the data was being updated on Aurora.

```
MySQL [sample]> SHOW TABLES;
+-----+
| Tables_in_sample |
+-----+
| EMPLOYEES         |
+-----+
1 row in set (0.002 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 (0.002 sec)

MySQL [sample]> SELECT * FROM EMPLOYEES;
+----+-----+-----+
| ID | NAME | ADDRESS |
+----+-----+-----+
| 1  | Anon | Baker Street |
+----+-----+-----+
1 row in set (0.001 sec)

MySQL [sample]> |
```