## Report on Deployment of MySQL and WordPress Using 2 EC2 Instances in Microservice Architecture

The two instances will be configured to run independently, with MySQL on one instance and WordPress on another, communicating over the network, emulating a microservices-based architecture. Each service is decoupled from the each other

**EC2 Instance 1 (MySQL)**: This instance is dedicated to hosting the MySQL database. The database handles all data storage and retrieval for the WordPress application. Instance IP - 3.110.217.115 named as microsql

**EC2 Instance 2 (WordPress)**: This instance runs the WordPress application and connects to the MySQL instance to store and retrieve data for website management. Instance IP - 13.203.97.193, given name to this instance as microwordpress.

Instance type - t2.micro
Operating system – Ubuntu 24.04
Security Group that allows:

- Port 22 (SSH) for remote access.
- Port 3306 (MySQL/Aurora)
- Port 443 and 80 (HTTPs and HTTP)

Installed mysql on EC1 instance i.e microsql instance and created database wordpress with user sa\_anand using secured password. Installed apache2, php ,php extensions and wordpress on ec2 instace i.e microwordpress. Unzipped the tar file then configured the apache for wordpress then configured wordpress to connect Mysql.

Resources - <a href="https://gist.github.com/teja156/8c35a05f43635da4cbd06b47c0d91e93">https://gist.github.com/teja156/8c35a05f43635da4cbd06b47c0d91e93</a> https://www.w3schools.com/html/html editor.asp

















