AWS Ubuntu EC2 PHP and MySQL

This is an extra lab that will review

- how to create an EC2 instance
- how to create an RDS instance
- EC2 user data
- security groups

Instructions

Navigate to your qwiklabs environment. Launch the sandbox environment. The sandbox environment will allow you to explore various AWS configurations.

These instructions will be minimal to see if you can get things working.

- Begin by creating a MySQL RDS instance.
  - Make a note of the username and password that you use to setup the DB
  - Also make a note of the endpoint
- Create an EC2 instance (Ubuntu).
- Use the user-data found here

You should visit your public ip/dns address and the \texttt{water} subdirectory. I.e. something like \url{1.2.3.4/water/install.php} to install the application. After installation, you would visit something like \url{1.2.3.4/water/} to make sure it is loading.

Hints

You will have to modify the RDS security group to allow incoming connections to the MySQL port from your EC2 instance.

Suggested options

You could experiment with creating a VPC, multiple subnets, with the RDS instance in one subnet and EC2 in another public subnet.

You could create a copy of your image as a new AMI, deploy 2 instances, and create a load balancer to balance requests between the 2 instances.