

1.6) How to deploy 2 EC2 instances for wordpress and MySQL each? (Configure microservices architecture).

① Launch 2 EC2 instances from AWS Management Console → EC2 dashboard → Instances → Launch Instance → t3.micro, AMI - ubuntu.

② Connect 'wordpressmicro' to SSH client.

Run commands :

>> sudo su  
>> apt update  
>> apt install apache2 -y  
# install apache2.

>> apt install php libapache2-mod-php  
php-mysql -y

# install modules of php

③ Download & Extract Wordpress

>> cd /tmp

>> wget https://wordpress.org/latest.tar.gz

>> tar -xzf latest.tar.gz

④ Move Wordpress files to Apache document root:

>> mv /tmp/wordpress/\* /var/www/html/

>> chown -R www-data:www-data  
/var/www/html/

# Set permission

⑤ Configure wp configuration file with MySQL database details.

>> nano /var/www/html/wp-config.php



DB name - ~~wordpressDB~~ wordpressDB

DB username - wpadmin

DB password - wpadminpw

DB host - ~~172.31.45.27~~ 172.31.45.27

⑥ Allow inbound traffic on port 80(HTTP)  
from anywhere to the WordPress's  
security group.

⑦ Set up MySQL on the MySQL instance

>> sudo su

>> apt update

>> apt install mysql-server -y

>> mysql\_secure\_installation

# set up security

⑧ Configure mysql.conf file to accept connection from the private IP address of the Wordpress Instance.

>> nano /etc/mysql/mysql.conf.d/mysqld.conf  
binding address: 172.31.37.184