# Task -1
**For Monolithic**

1) Launched a single EC2 instance with the desired instance type (t2.micro) and AMI (Ubuntu) and enable all traffic.



2)To keep a static IP address, we will create an Elastic IP address and associate it
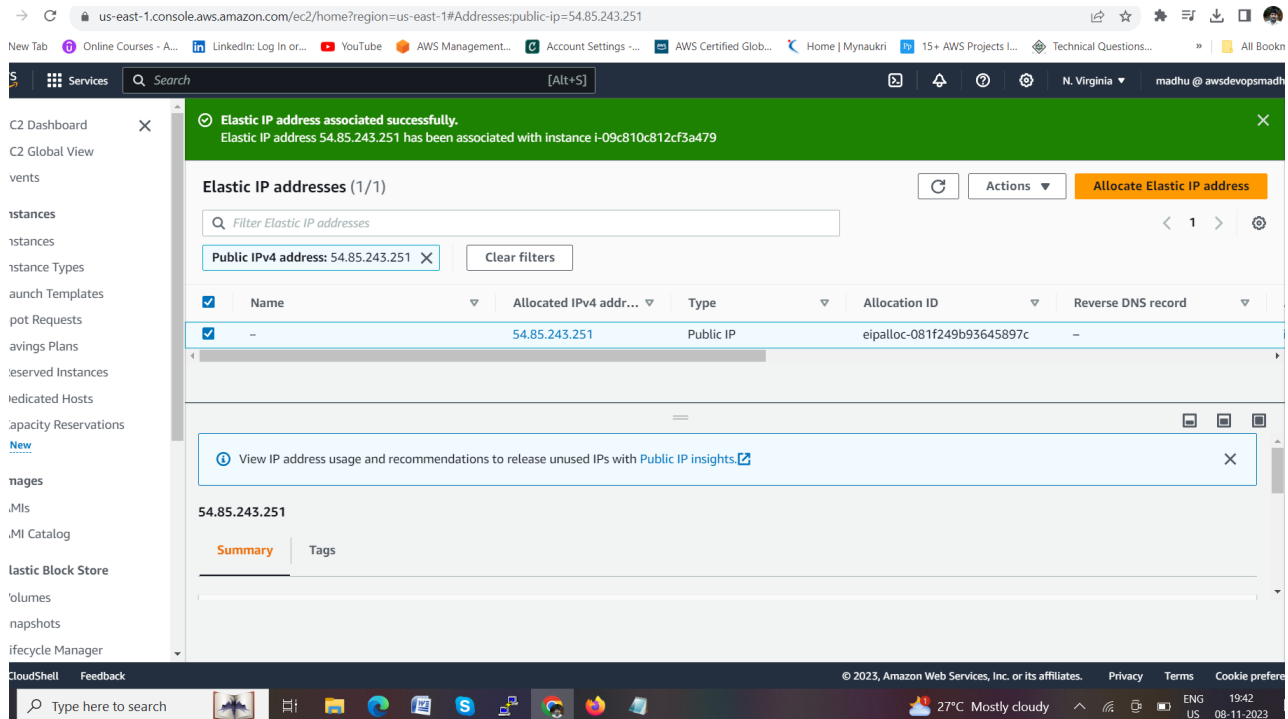
3) Use MobaXterm to sign into the instance using the key created during instance.

4) Update and install my sql along with apache 2 web
       server.

5) sudo apt update
       sudo apt install apache2 php lib apache2-mod-php php-mysqlmysql-server-y

6)Login to MySQL server
       sudo mysql-u root

7) Create a new database.
CREATE DATA BASE word
press;

8)Create a user and set a password:
CREATE USER 'admin'@'localhost'IDENTIFIEDBY'wpadminpass';

9)Grant the user permissions on the data base and apply the
changes. GRANT ALL PRIVILEGES ON wordpress.* TO
'admin'@'localhost'; FLUSH PRIVILEGES;

10)    Select the word press data base to confirm if the data base is
created USE word press;
SELECTDATABASE();

exit

```
mysql> SELECT DATABASE();
+------------+
| DATABASE() |
+------------+
| wordpress  |
+------------+
1 row in set (0.00 sec)
```

11) Install word press(download and extract)
Download Word Press : wgethttps://wordpress.org/latest.tar.gz
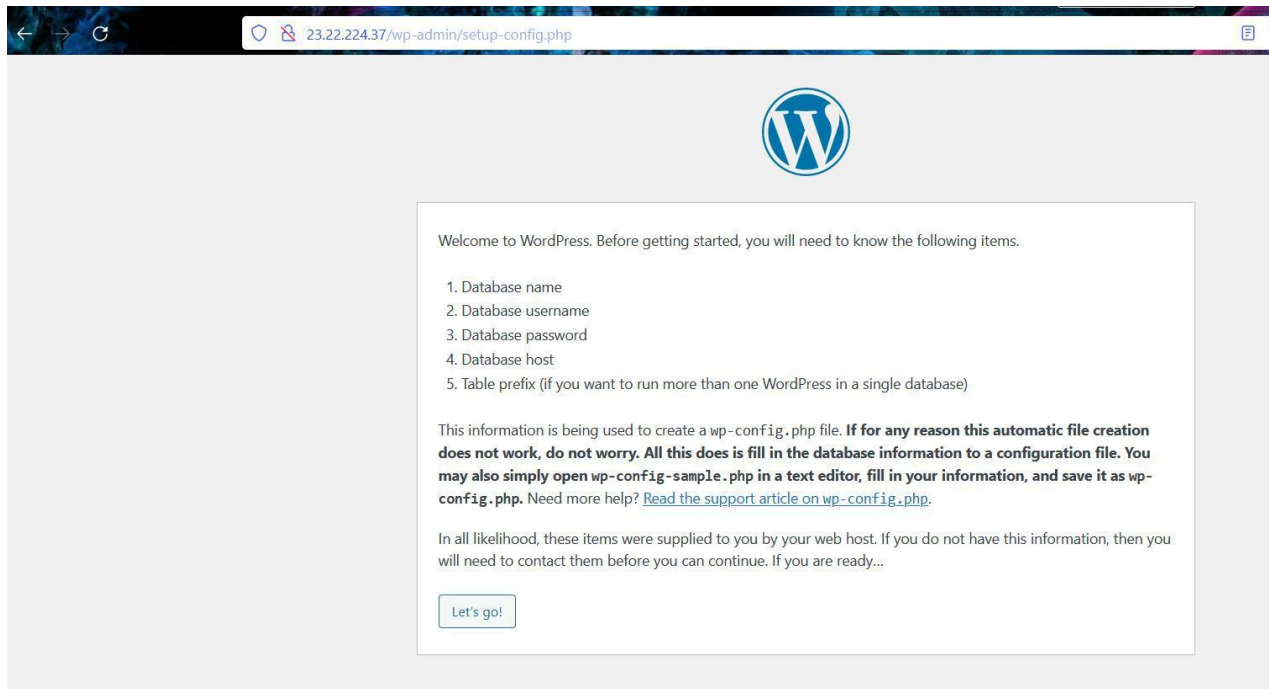Extract: tar -xvzf latest.tar.gz

12) Move files to the web server directory
sudo mv wordpress/* /var/www/html/

13) removetheindex.htmlfileasthatwouldopentheapache2defaultpage
**sudo rm - rf index.html**
Enter the public IP in the URL of the browser to get the word press site

14) You can enter the same details that you have used earlier to create the data base or you can directly edit the wp-config.php file

```
  GNU nano 6.2                                                        wp-config.php *
/**
 * The base configuration for WordPress
 *
 * The wp-config.php creation script uses this file during the installation.
 * You don't have to use the web site, you can copy this file to "wp-config.php"
 * and fill in the values.
 *
 * This file contains the following configurations:
 *
 * * Database settings
 * * Secret keys
 * * Database table prefix
 * * ABSPATH
 *
 * @link https://wordpress.org/documentation/article/editing-wp-config-php/
 *
 * @package WordPress
 */

// ** Database settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress' );

/** Database username */
define( 'DB_USER', 'ubuntu' );

/** Database password */
define( 'DB_PASSWORD', 'Intern@1' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8mb4' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**#@+
^G Help        ^O Write Out    ^W Where Is    ^K Cut      ^T Execute   ^C Location    M-U Und
^X Exit        ^R Read File    ^\ Replace     ^U Paste    ^J Justify   ^/ Go To Line  M-E Red
```

15) Once done you can enter the Site title and the user name to set up the word press site.

Below you should enter your database connection details. If you are not sure about these, contact your host.

**Database Name**  wordpress
The name of the database you want to use with WordPress.

**Username**  wpadmin
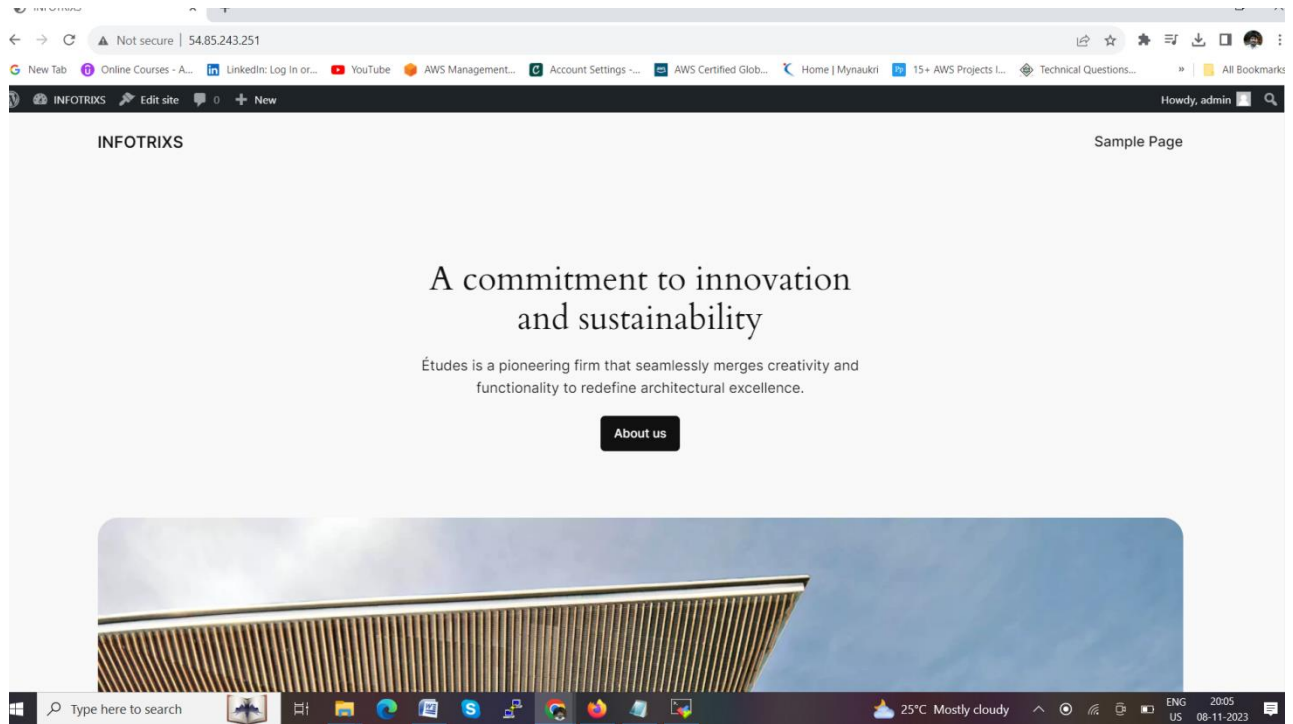Your database username.

**Password**  wpadminpass   Hide
Your database password.

**Database Host**  localhost
You should be able to get this info from your web host, if localhost does not work.

**Table Prefix**  wp_
If you want to run multiple WordPress installations in a single database, change this.
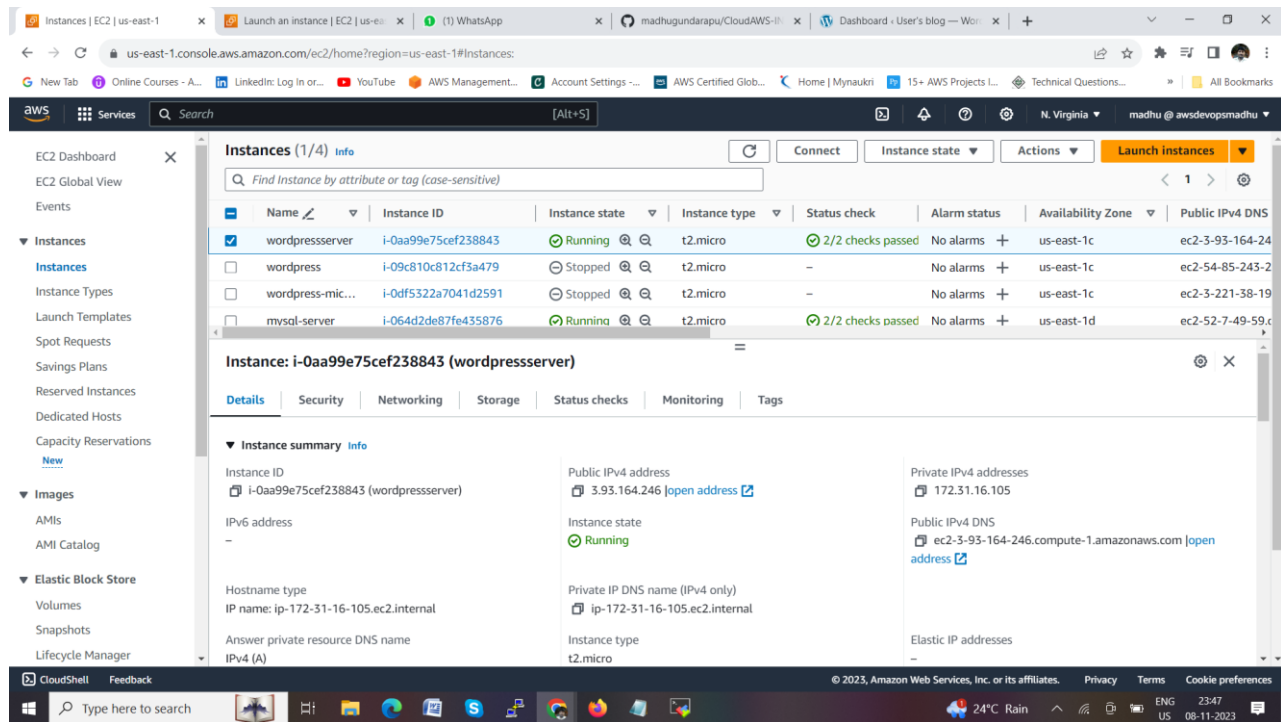
Submit

16) Sample word press website

# Task 2

**For Micro services: 2 EC2 instances , 1 for Wordpress and 1 EC2 instances, 1 for MYSQL.**

**1 EC2 instance for Wordpress**
**Create a Wordpress instance launch**



**Click actions and Monitor troubleshoot and access Get the system log**
**Get System Log**
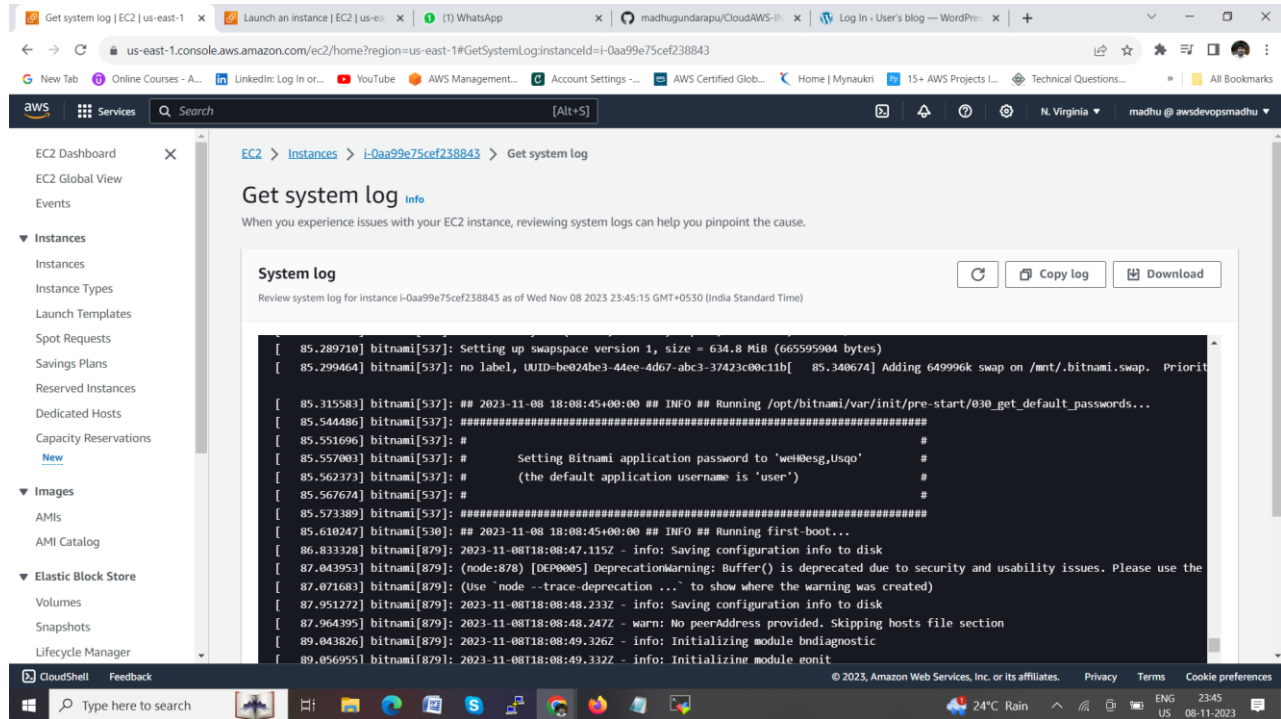
**Click the password for Wordpress Login**

**Dashboard Showing in WordPress**
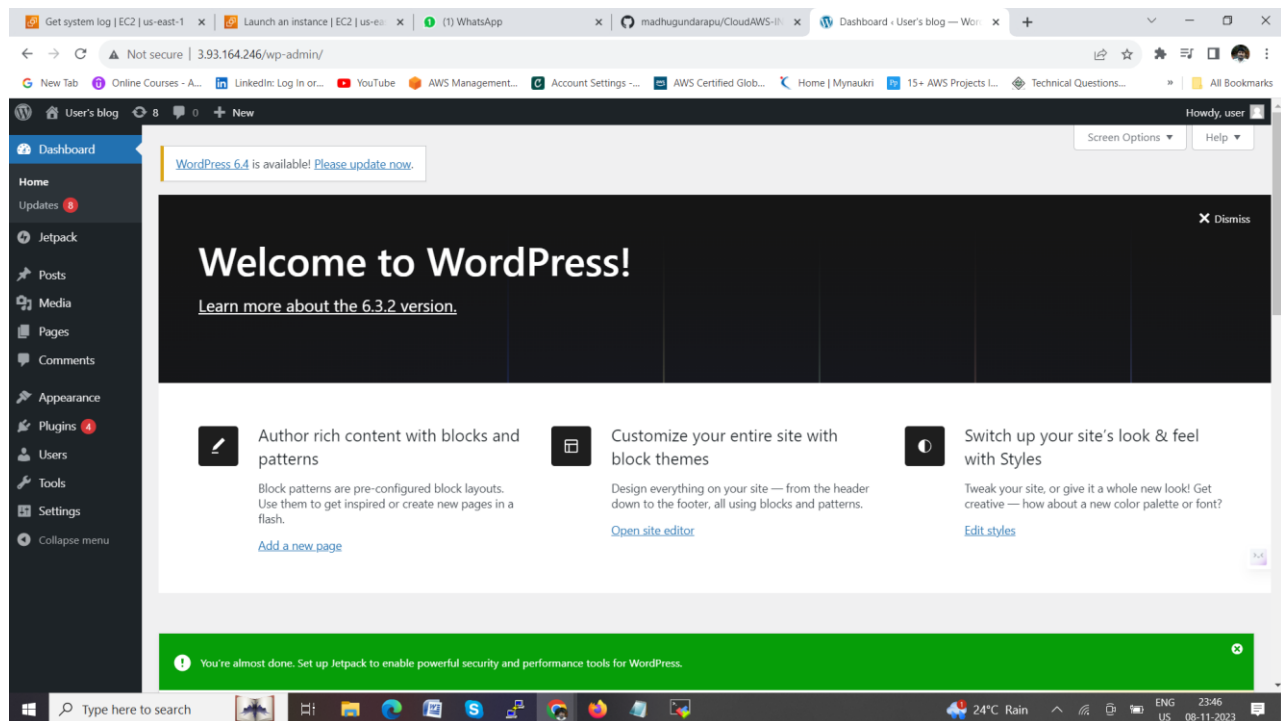
**1 EC2 Instance for MYSQL :**

Create a MYSQL Server instance Launch

Command:

sudo apt update

sudo apt install mysql-server

sudo systemctl status mysql

sudo mysq

ALTER USER 'root'@'localhost' IDENTIFIED WITH

mysql_native_password B Y 'Prasan@12';

CREATE DATABASE mysql_test;

USE mysql_test;

CREATE TABLE table1 ( id INT, name VARCHAR(45));

INSERT INTO table1 VALUES(1, 'INFOTRIX'), (2,'CLOUD'),

(3,'DEVOPS'), (4,'PRASAN');

SELECT *FROM table1;