Codes:

**#Installing Wordpress website**

sudo apt-get update

1. Install Apache server on Ubuntu

sudo apt install apache2

2. Install php runtime and php mysql connector

sudo apt install php libapache2-mod-php php-mysql

3. Install MySQL server

sudo apt install mysql-server

4. Login to MySQL server

sudo mysql -u root

5. Change authentication plugin to mysql\_native\_password (change the password to something strong)

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password by 'Testpassword@123';

6. Create a new database user for wordpress (change the password to something strong)

CREATE USER 'wp\_user'@localhost IDENTIFIED BY 'Testpassword@123';

7. Create a database for wordpress

CREATE DATABASE wp;

8. Grant all privilges on the database 'wp' to the newly created user

GRANT ALL PRIVILEGES ON wp.\* TO 'wp\_user'@localhost;

9. Download wordpress

cd /tmp

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

10. Unzip

tar -xvf latest.tar.gz

11. Move wordpress folder to apache document root

sudo mv wordpress/ /var/www/html

12. Command to restart/reload apache server

sudo systemctl restart apache2

**#Disabling the ftp protocol:**

Go in config.php file and paste these above the lines /\* That's all, stop editing! Happy publishing. \*/

**define('FS\_METHOD', 'direct');**

**sudo chown -R www-data:www-data /var/www/html (Set proper permissions).**

**sudo chmod -R 755 /var/www/html (ensure proper permissions)**

**sudo systemctl restart apache2**

**#php and curl installation (for S3 offload media integration)**

**sudo apt update**

**sudo apt install php8.3 php8.3-curl (Installing curl modules)**

**sudo apt install php8.3-xml (Installing xml modules)**

**php -m | grep -E 'curl|xml' (checking whether both of them are installed)**

**sudo phpenmod curl (Enabling curl)**

**sudo phpenmod xml (Enabling xml)**

**sudo systemctl restart apache2 (Restarting the server)**

**#Installing imgsick and GD:**

**sudo apt install php8.3-gd (GD installation)**

**sudo apt install imagemagick php8.3-imagick (imagsick Installation)**

**sudo systemctl restart apache2**

**php -m | grep gd (check gd installation)**

**php8.3 -m | grep gd (checking the php- version)**

**convert –version (checking imgsick version)**

**php –ini (checking correct configuration)**

**sudo nano /etc/php/8.3/apache2/php.ini (enabling the extensions)**

**extension=gd**

**extension=imagick (remove semi colons)**

**save and exit**

**sudo systemctl restart apache2**

**php -m | grep gd**

**php -m | grep imagick (verify the changes)**

**#install packages of cloud watch:**

**wget** [**https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb**](https://s3.amazonaws.com/amazoncloudwatch-agent/ubuntu/amd64/latest/amazon-cloudwatch-agent.deb)

**sudo dpkg -i amazon-cloudwatch-agent.deb**

**sudo apt-get install -f**

**sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-config-wizard**

**sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a start**

**sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -m ec2 -a status**

**#installing cloudwatch and sns front on ec2**

**sudo apt-get update**

**sudo apt-get install amazon-cloudwatch-agent (Installing cloudwatch on ec2)**

**sudo vi /opt/aws/amazon-cloudwatch-agent/etc/amazon-cloudwatch-agent.json (Making a file )**

**cloudwatch.json**

**{**

**"metrics": {**

**"append\_dimensions": {**

**"InstanceId": "${aws:InstanceId}"**

**},**

**"metrics\_collected": {**

**"cpu": {**

**"measurement": [**

**"cpu\_usage\_idle",**

**"cpu\_usage\_user",**

**"cpu\_usage\_system"**

**],**

**"metrics\_collection\_interval": 60**

**},**

**"mem": {**

**"measurement": [**

**"mem\_used\_percent"**

**],**

**"metrics\_collection\_interval": 60 } } } }**

**sudo /opt/aws/amazon-cloudwatch-agent/bin/amazon-cloudwatch-agent-ctl -a start (Start cw )**