**Deploy WordPress and MySql configuration on the EC2 instance console/CLI**

### Deploying WordPress and MySQL on an EC2 Instance via Console/CLI

1. Launch EC2 Instance

Use the following CLI command to launch an instance:  
bash  
Copy code  
aws ec2 run-instances --image-id ami-0149b2da6ceec4bb0 --count 1 --instance-type t2.micro --key-name newkeypair --security-groups default

Configure the instance security group to allow SSH (port 22) and HTTP (port 80):  
bash  
Copy code  
aws ec2 authorize-security-group-ingress --group-id sg-03a50b08d049283de --ip-permissions IpProtocol=tcp,FromPort=22,ToPort=22,IpRanges="[{CidrIp=0.0.0.0/0}]"

aws ec2 authorize-security-group-ingress --group-id sg-03a50b08d049283de --ip-permissions IpProtocol=tcp,FromPort=80,ToPort=80,IpRanges="[{CidrIp=0.0.0.0/0}]"

2. Connect to the EC2 Instance and Update Packages

Run:  
bash  
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sudo apt-get update

3. Install Apache, MySQL, and PHP Using Tasksel

Install Tasksel:  
bash  
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sudo apt-get install tasksel

Launch Tasksel and select the LAMP package (includes Apache, MySQL, PHP):  
bash  
Copy code  
sudo tasksel

* Within Tasksel, use the down arrow to navigate to LAMP, press Space to select it, then Tab to the OK button, and press Enter.

4. Verify Apache Installation

* Enter your instance’s public IP in a browser to confirm Apache is running.

5. Start and Configure MySQL

Start MySQL and configure it:  
bash  
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sudo service mysql start

sudo mysql -u root -p

Once in MySQL, execute the following commands:  
sql  
Copy code  
CREATE USER 'ubuntu'@'localhost' IDENTIFIED BY 'password';

CREATE DATABASE wordpress;

GRANT ALL PRIVILEGES ON wordpress.\* TO "ubuntu"@"localhost";

GRANT PROCESS ON \*.\* TO "ubuntu"@"localhost";

* Exit MySQL by pressing Ctrl + D.

6. Download and Configure WordPress

Download and extract WordPress:  
bash  
Copy code  
wget https://wordpress.org/latest.tar.gz

tar xzf latest.tar.gz

cd wordpress

Copy and edit the WordPress configuration:  
bash  
Copy code  
cp wp-config-sample.php wp-config.php

sudo nano wp-config.php

Update wp-config.php with database details:  
php  
Copy code  
define( 'DB\_NAME', 'wordpress' );

define( 'DB\_USER', 'ubuntu' );

define( 'DB\_PASSWORD', 'password' );

7. Deploy WordPress on Apache

Copy WordPress files to Apache’s root directory:  
bash  
Copy code  
sudo cp -r \* /var/www/html

sudo cp -r wp-admin /var/www/html

sudo cp -r wp-content /var/www/html

sudo cp -r wp-includes /var/www/html

Remove the default index.html:  
bash  
Copy code  
cd /var/www/html

sudo rm index.html

Restart Apache:  
bash  
Copy code  
sudo service apache2 restart

8. Verify WordPress Deployment

* Retrieve the public IP of your instance from the AWS Console and enter it in your browser. Your WordPress site should be accessible at:  
  vbnet  
  Copy code  
  http://<public IP of your EC2 instance>