

# WordPress Deployment Guide by Shivam

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## 1. wp-config.php

```
<?php
/** WordPress configuration file */

define( 'DB_NAME', 'wordpress' );
define( 'DB_USER', 'wpuser' );
define( 'DB_PASSWORD', 'wet1234' );
define( 'DB_HOST', 'localhost' );
define( 'DB_CHARSET', 'utf8' );
define( 'DB_COLLATE', '' );

$table_prefix = 'wp_';

define( 'WP_DEBUG', false );

if ( !defined('ABSPATH') )
    define('ABSPATH', __DIR__ . '/');

require_once ABSPATH . 'wp-settings.php';
?>
```

## 2. create\_wordpress\_db.sql

```
CREATE DATABASE wordpress;
CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'wet1234';
GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'localhost';
FLUSH PRIVILEGES;
```

## 3. apache\_wordpress.conf

```
<VirtualHost *:80>
    DocumentRoot /var/www/html/wordpress
    ServerName your_domain_or_IP

    <Directory /var/www/html/wordpress>
        AllowOverride All
        Require all granted
    
```

```
</Directory>

ErrorLog /var/log/httpd/wordpress_error.log
CustomLog /var/log/httpd/wordpress_access.log combined
</VirtualHost>
```

## 4. setup.sh

```
#!/bin/bash
# WordPress setup script by Shivam

sudo yum update -y
sudo yum install -y httpd mariadb-server php php-mysqlnd php-gd php-xml php-
mbstring wget tar

sudo systemctl enable httpd
sudo systemctl enable mariadb
sudo systemctl start httpd
sudo systemctl start mariadb

sudo mysql -u root -p < create_wordpress_db.sql

cd /tmp
wget https://wordpress.org/latest.tar.gz
tar -xvzf latest.tar.gz
sudo mv wordpress /var/www/html/
sudo chown -R apache:apache /var/www/html/wordpress
sudo chmod -R 755 /var/www/html/wordpress

sudo systemctl restart httpd
echo "WordPress installation complete. Access via http://your-ec2-public-ip/
wordpress"
```

## 5. README.md

This project demonstrates how to deploy WordPress on an AWS EC2 instance using Apache, PHP, and MariaDB.

### Files Included

- wp-config.php – WordPress configuration file with DB credentials.
- create\_wordpress\_db.sql – SQL commands to create the database and user.
- apache\_wordpress.conf – Apache virtual host configuration.
- setup.sh – Bash script for automated setup.
- README.md – Project overview and instructions.

## Deployment Steps

1. Launch an EC2 instance (Amazon Linux 2, t2.micro).
2. Allow inbound traffic for SSH (22), HTTP (80), HTTPS (443).
3. Upload these files to your instance.
4. Run:

```
chmod +x setup.sh  
./setup.sh
```

5. Open your browser and visit: <http://50.19.48.98/wordpress/>