

# Project -1

## Deploy wordpress website on AWS using elastic beanstalk

In this project we assume that you have basic knowledge of **Elastic beanstalk** and **RDS-Relational Database Service** and have some hands on **Linux Operating System**

### Elastic Beanstalk-

It is simply called serverless computing or you just need to provide a code of your application to AWS and AWS itself manage everything in their end such as managing load on server, storage, type of instance etc...

### Amazon RDS-

Amazon Relational Database Service (Amazon RDS) is a web service that makes it easier to set up, operate, and scale a relational database in the AWS Cloud.

### Launch RDS database →

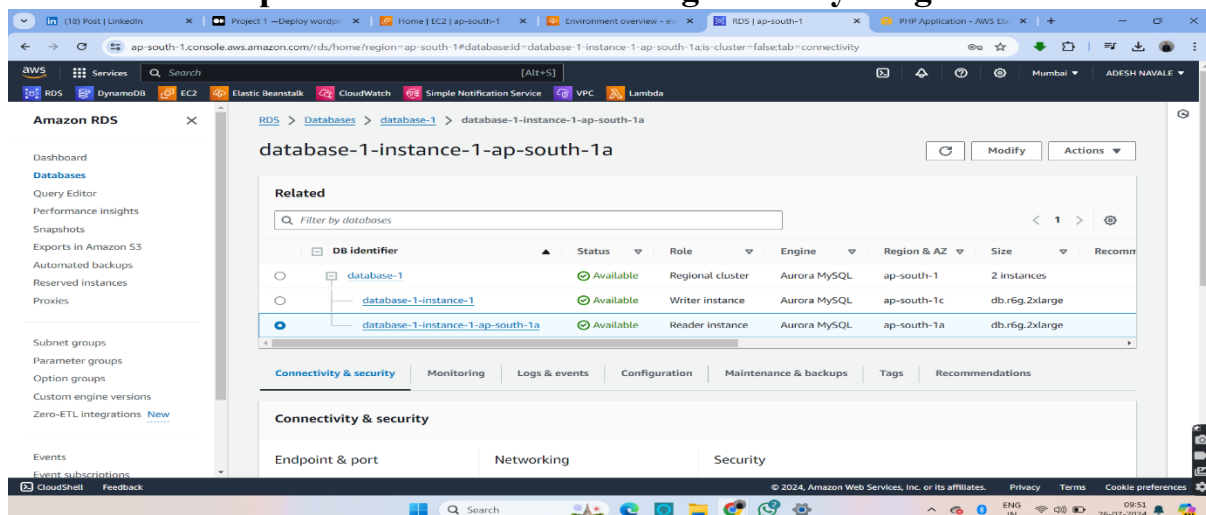
**Step 1** → Search RDS on AWS console and then click on create database

**Step 2** → choose **standard create** and then **Aurora(MySQL Compatible)**

**Step 3** → set your **master name and password**.

**Step 4** → give the name to your database in the **additional configuration** and remain everything as it is and click on **create database**.

**it takes up to 3 to 4 minutes to configure everything**



## **Launch elastic beanstalk environment →**

**Step 1** → Search Elastic beanstalk on AWS console and then click on create application

**Step 2** → choose **web server environment** and then give name to your application

**Step 3** → choose **PHP** from managed platform and then **click next**.

**Step 4** → In service role click **create and use new service role** or select **AWS-elastic beanstalk-service-role** from it

**Step 5** → choose your **ec2 keypair** and your ec2 instance profile to **ec2accessdemoapp**

**Note: key pair must be present in your localhost**

**Step 6** → In VPC choose **default VPC** and then select your instance subnet and database subnets

**Click Next**

**Step 7** → select the **default security group** from the options and click next

**Step 8** → in health reporting choose basic and **untick** the managed updates options

**Step 9** → Now connect your database by adding environment properties

1. **RDS\_HOSTNAME**- The hostname of the DB instance.

where to find → On the Connectivity & security tab on the Amazon RDS console: Endpoint.

2. **RDS\_PORT**- The port where the DB instance accepts connections. The default value varies among DB engines.

where to find → On the Connectivity & security tab on the Amazon RDS console: Port.

3. **RDS\_DB\_NAME**- The database name, ebdb.

where to find → On the Configuration tab on the Amazon RDS console: DB Name.

4. **RDS\_USERNAME**- The username that you configured for your database.

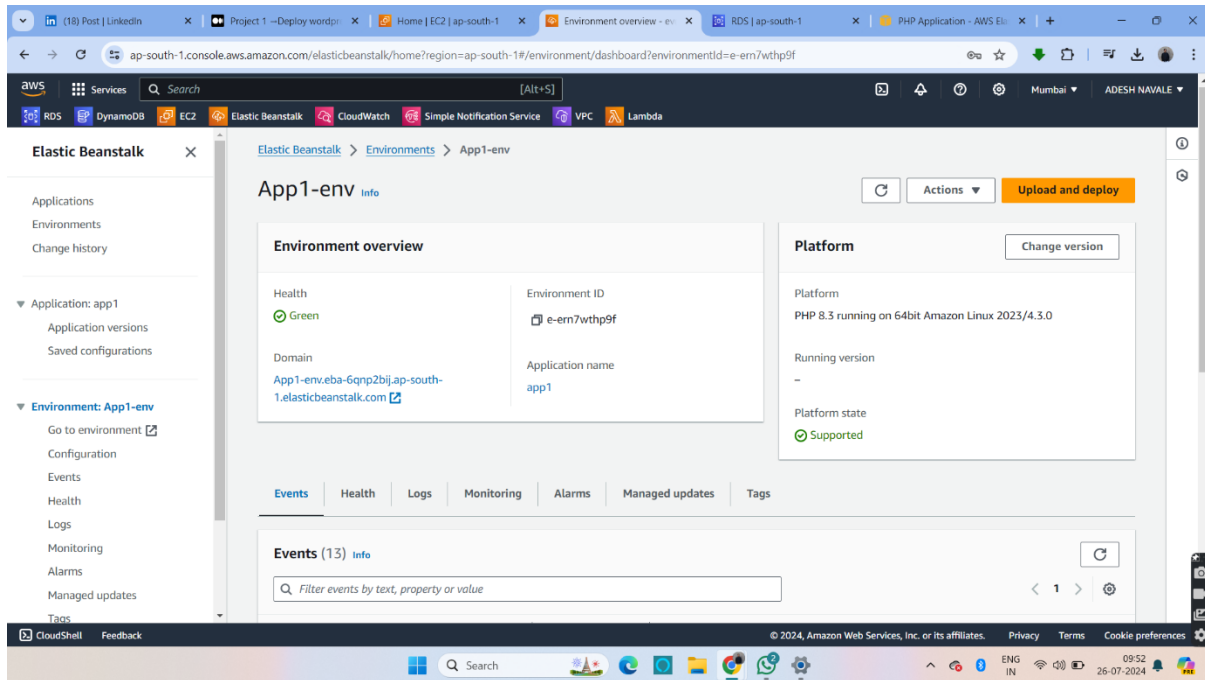
where to find → On the Configuration tab on the Amazon RDS console: Master username.

5. RDS\_PASSWORD-The password that you configured for your database.

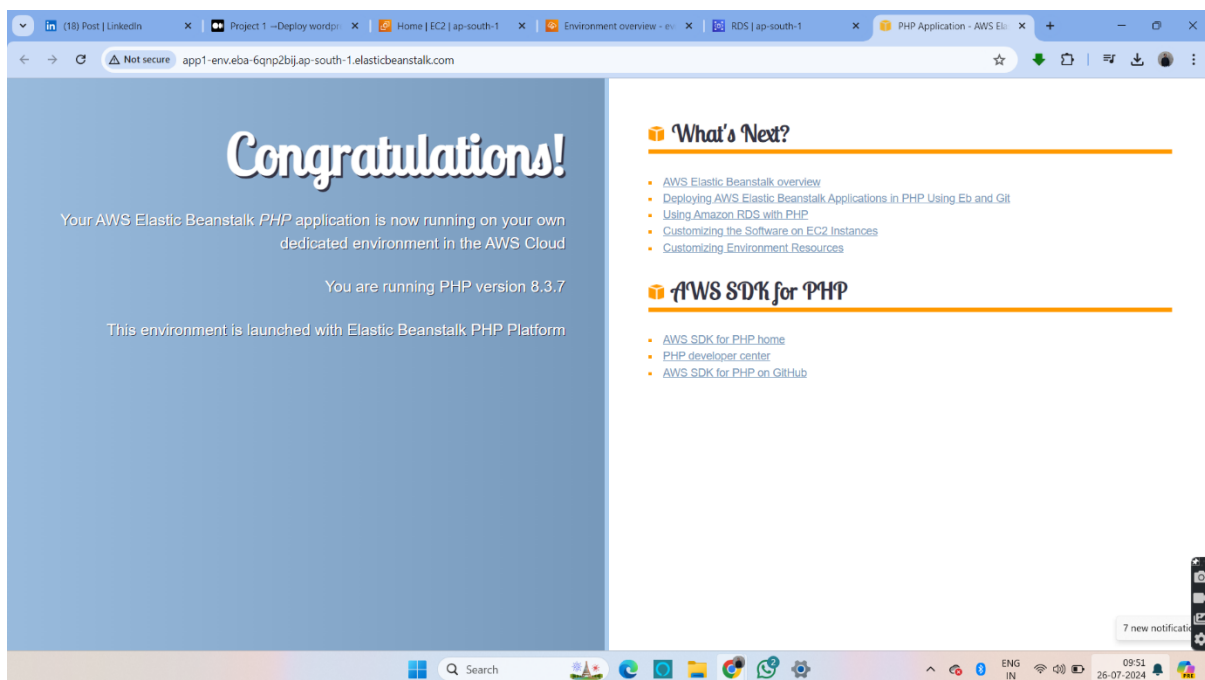
Not available for reference in the Amazon RDS console.

**Step 10** → review your configuration and click on **submit**.

**It takes around 5 min to create your application**



**Click on URL provided by elastic beanstalk you will find a Congratulation message page.**



## **Download Wordpress →**

**Step 1** → go to your ubuntu terminal and create dir - mkdir git

1. cd git
2. apt install git
3. git clone <https://github.com/AdeshNavale98/AWS-Elastic-Beanstalk.git>
4. zip ../your\_folder\_name.zip -r \* .[^.]\*

## **Upload and deploy →**

**Step 1** → go to your elastic beanstalk console choose the environment you created above and select **upload and deploy** option choose your wordpress file that you just downloaded and click on deploy

**It also takes around 5 min to deploy the application**

after it successful deployment click on url but it shows **404 nginx not found**  
**to overcome this error →**

**Step 1** → go to your ec2 dashboard and choose the instance created by elastic beanstalk

**Step 2** → **copy the public ip and take ssh** of that machine from your terminal by running

**ssh -i <your key pair name> ec2-user@<public ip>**

**Step 3** → run the following commands

1. **sudo su**
2. **cd /var/www/html/**

# this will let you to go to the location where the actual file is present that you uploaded from console

**3. mv wordpress/\* / var/www/html/**

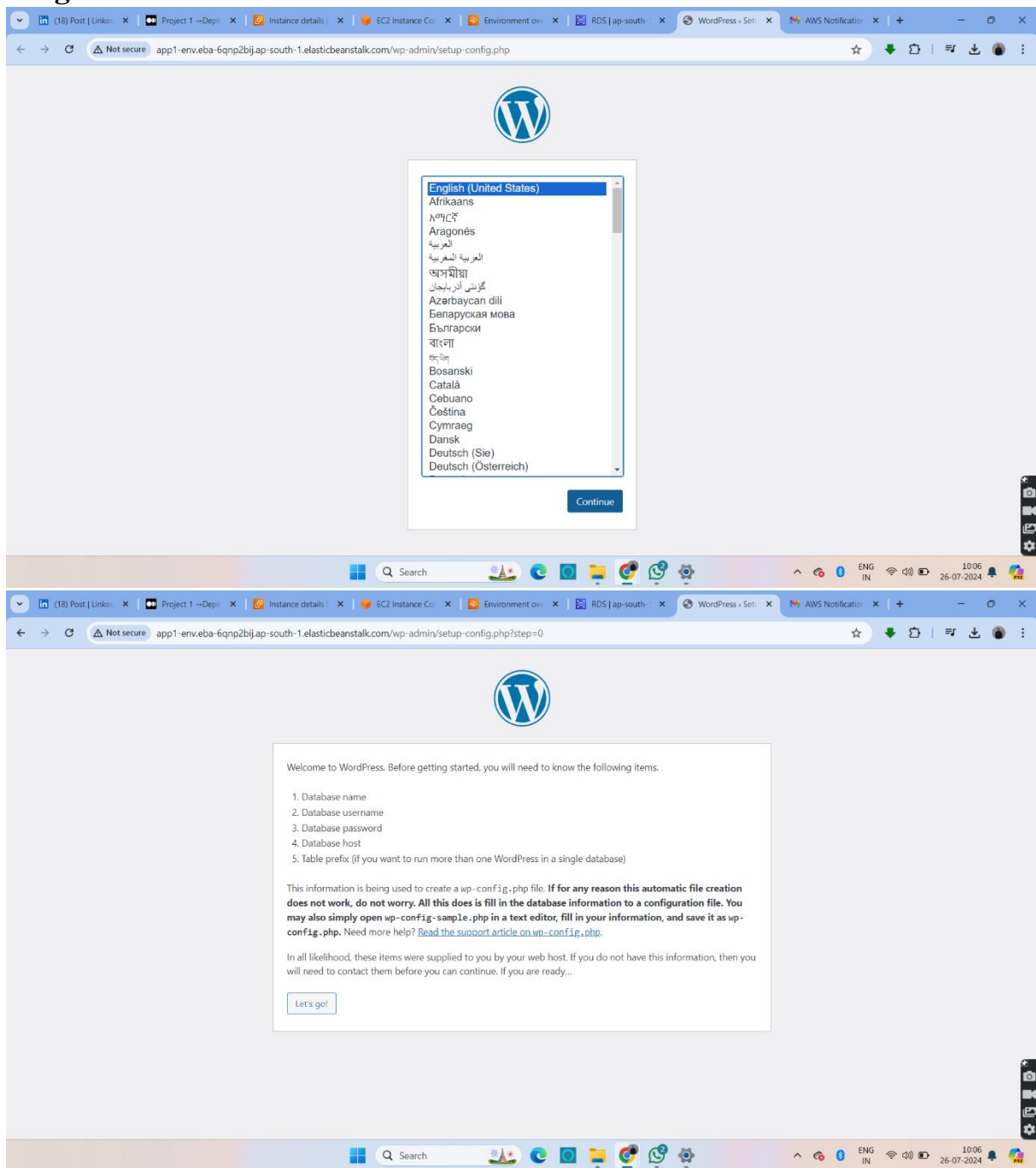
#this command will move the entire files from from wordpress folder

**4. rm -rf wordpress**

#this command will delete the wordpress folder


**now again click on url you will find a web page where you wordpress application running**

congratulations!!



Project 1 ->Deplo...Instance details...EC2 Instance Co...Environment ovi...RDS | ap-south-...WordPress + Seti...AWS Notificati...

Not secureapp1-env.eba-6qnp2bij.ap-south-1.elasticbeanstalk.com/wp-admin/setup-config.php?step=1



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

username

Your database username.

Password

password

Your database password.

Show

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

phpproject

Dashboard

Home

Updates

Posts

Media

Pages

Comments

Appearance

Plugins

Users

Tools

Settings

Collapse menu

Dashboard

Howdy, adeshnavale

Screen Options

Help

Welcome to WordPress!

[Learn more about the 6.6.1 version.](#)

Author rich content with blocks and patterns

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.

[Add a new page](#)

Customize your entire site with block themes

Design everything on your site — from the header down to the footer, all using blocks and patterns.

[Open site editor](#)

Switch up your site's look & feel with Styles

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?

[Edit styles](#)

Site Health Status

No information yet...

Site health checks will automatically run periodically to gather information about your site. You can also visit the [Site Health screen](#) to gather information

Quick Draft

Title

Content

