

## Setup a WordPress Site Using EC2 and RDS

1. Go into RDS

### Create database

#### Choose a database creation method [Info](#)

☒ **Standard create**

You set all of the configuration options, including ones for availability, security, backups, and maintenance.

☐ **Easy create**

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

#### Engine options

##### Engine type [Info](#)

☐ Amazon Aurora



☒ **MySQL**



☐ MariaDB



☐ PostgreSQL



☐ Oracle



☐ Microsoft SQL Server



2. We would use a standard create because there is a bit of a bit of configuration we need to do that doesn't come in the easy create.

### Templates

Choose a sample template to meet your use case.

☐ **Production**

Use defaults for high availability and fast, consistent performance.

☐ **Dev/Test**

This instance is intended for development use outside of a production environment.

☒ **Free tier**

Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

3. Down below in this lab you want to input the same thing in each box. Just copy and paste it in.

### DB instance identifier [Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

### ▼ Credentials Settings

#### Master username [Info](#)

Type a login ID for the master user of your DB instance.

1 to 16 alphanumeric characters. First character must be a letter.

☐ Auto generate a password

Amazon RDS can generate a password for you, or you can specify your own password.

#### Master password [Info](#)

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), '(single quote), "(double quote) and @ (at sign).

#### Confirm password [Info](#)

4. Choose the right security group and make sure that the default one is removed by clicking the X on it.

#### Existing VPC security groups

cfst-3359-d71da5252614a6d2aab0e9c0121f45f8-EC2SecurityGroup-1CD7A8UFF7GS5



#### Availability Zone [Info](#)

5. Down below I did input "wordpress1" but this would have to match everything else as previous. Read what is highlighted.

## Database options

Initial database name [Info](#)

wordpress1

If you do not specify a database name, Amazon RDS does not create a database.

6. Everything else default, while this happens and creates. We can go create/select our EC2 instance.
7. Once you're in your desired EC2 go to launch EC2 instance
8. Insert this `sudo apt install apache2 libapache2-mod-php php-mysql`

```
ubuntu@ip-10-0-0-100:~$ sudo apt install apache2 libapache2-mod-php php-mysql
```

9. We want to move our wordpress into our var file
10. To do that type in `sudo mv /wordpress.`
  - a. The period at the end indicates the current directory we are in. We are moving this file to the current directory.
11. After typing in the sudo command type in ls

```
ubuntu@ip-10-0-0-100:/var/www$ sudo mv /wordpress .
ubuntu@ip-10-0-0-100:/var/www$ ls
html  wordpress
```

12. You can see the word press is in the right directory
13. Enter that directory and you will see many files within

```
ubuntu@ip-10-0-0-100:/var/www$ cd wordpress
ubuntu@ip-10-0-0-100:/var/www/wordpress$ ls
000-default.conf  license.txt  wp-activate.php
index.php         readme.html  wp-admin
```

14. We have another file that we need to move

```
ubuntu@ip-10-0-0-100:/var/www/wordpress$ sudo mv 000-default.conf /etc/apache2/sites-enabled/
ubuntu@ip-10-0-0-100:/var/www/wordpress$
```

15. The command typed above simply enables the wordpress website to work from var/www wordpress. Instead of the default one which was html rather than wordpress

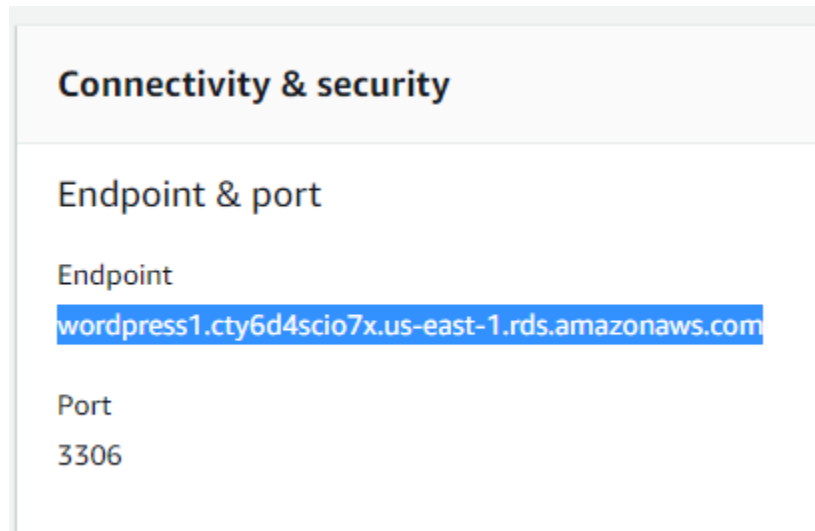
```
ubuntu@ip-10-0-0-100:/var/www/wordpress$ sudo apache2ctl restart
ubuntu@ip-10-0-0-100:/var/www/wordpress$ sudo nano wp-config.php
```

16. The last command is for the configuration file for wordpress
17. The hostname would need to be changed as it is not on the local host

```
/** MySQL hostname */
define( 'DB_HOST', 'localhost' );
```

^ This is incorrect as we want the endpoint from RDS

18. So we go back into RDS to check on if it is finished. And copy the endpoint in RDS



19. We go into the RDS we created and copy and paste this link. Go back to the terminal

```
/** MySQL hostname */
define( 'DB_HOST', 'wordpress1.cty6d4scio7x.us-east-1.rds.amazonaws.com' );
```

20. Press Ctrl-X and Y to save modified buffer and then press enter

Now wordpress is fully configured but we need edit security groups

21. So go into EC2 and into security groups. And select the non-default security group



When creating a new security group select the non-default security group under source. This is because any service this security group is attached to is allowed to access MySQL. And since this is attached to both EC2 instance and the MySQL Database in RDS. That means they can talk to each other.

22. Copy and paste the IP address in the EC2 terminal into another tab



## Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

## Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username

Names can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password  [Hide](#)  
Strong

**Important:** You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

Search engine visibility ☐ Discourage search engines from indexing this site  
It is up to search engines to honor this request.

[Install WordPress](#)

23. Once the things have been inputted here click install wordpress, for the password. Make sure you copy this and put it in a notepad so you won't lose it. Or of course you can create your own.

## Success!

WordPress has been installed. Thank you, and enjoy!

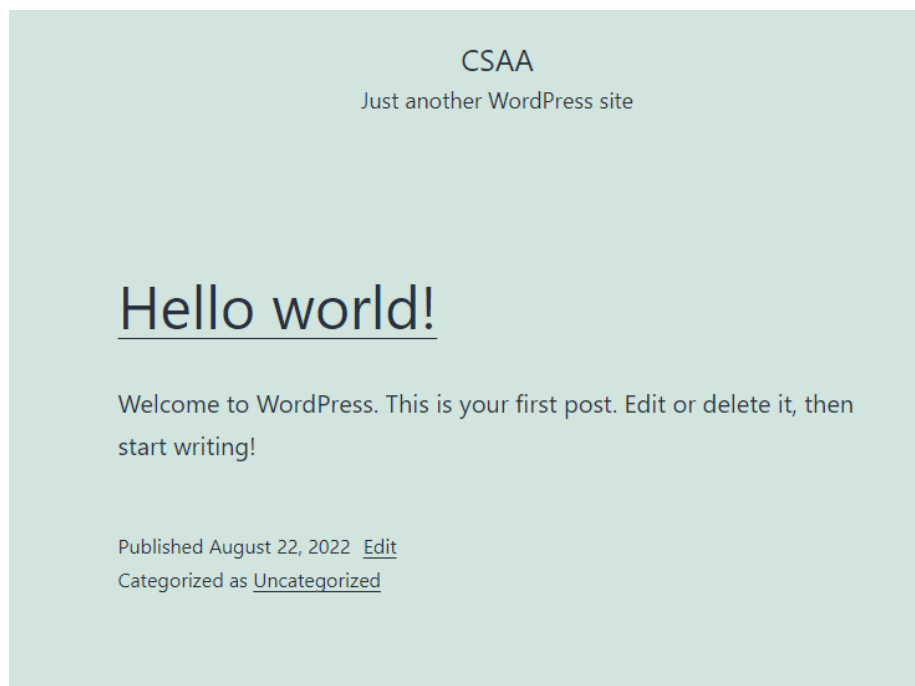
**Username** cjpguru

**Password** *Your chosen password.*

[Log In](#)

And then you're done, so click log in.

Once you're logged in you're brought to the dashboard. From here hover over... in this case, hover over CSAA and click visit site.



This is what comes up