

- *Definition of WordPress & Amazon RDS*
- *Configure MySQL Server using Amazon RDS Service*
- *Create an AWS EC2 Instance*
- *Configure the Instance with Apache Webserver*
- *Download php application name “WordPress”*
- *Provide Endpoint/Connection string of Amazon RDS to the WordPress application to store data there.*

Let's Start...!! 

WordPress

- WordPress is a free and open-source content management service used to build and maintain websites. Its ease of use and unique blogging features have helped it to become the most popular blogging tool on the web.
- WordPress provides a web-based user interface for designing, publishing, and updating websites. Instead of writing HTML, you can simply choose one of many different website “templates” or “themes” that has a design you like.

- WordPress interface makes it easy for anyone without web development experience to create and publish a website. The built-in blogging tools provide a simple way to track individual posts, visitors, and user comments.

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. It provides cost-efficient, resizable capacity for an industry-standard relational database and manages common database administration tasks.
- Amazon RDS manages backups, software patching, automatic failure detection, high availability, and recovery. It is a fully managed database service provided by amazon.
- With Amazon RDS we can use the database products you are already familiar with MySQL, MariaDB, PostgreSQL, Oracle, Microsoft SQL Server.

Step 1): Create an AWS EC2 Instance

First select an Amazon Machine Image (AMI) to launch EC2 instance for the installation of WordPress. I have used Red Hat Enterprise Linux 8(RHEL8); But you can use any image.

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-08e0ca9924195beba (64-bit x86) / ami-0437d5dbe8fdc3d52 (64-bit Arm)

Free tier eligible

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

☒ 64-bit (x86)
☐ 64-bit (Arm)

Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-0a9d27a9f4f5c0efc (64-bit x86) / ami-0816d75a127c17a49 (64-bit Arm)

Free tier eligible

Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

☒ 64-bit (x86)
☐ 64-bit (Arm)

- Add any tag for your instance, i.e., WordPressOS

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.

A copy of a tag can be applied to volumes, instances or both.

Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources.

Key	Value	Instances	Volumes	Network Interfaces
Name	WordPressOS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add another tag (Up to 50 tags maximum)

- Create a Security group for your EC2 instance, in your Security group allow all traffic in inbound rules. i.e., WordpressSG

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group
☐ Select an existing security group

Security group name: WordpressSG

Description: launch-wizard-16 created 2021-02-15T19:16:59.192+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere 0.0.0.0/0, ::0	e.g. SSH for Admin Desktop

Add Rule

Warning

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

- Finally, Instance is launched.

Instances (1/2) Info								
<input type="text" value="Filter instances"/>					<input type="button" value="Connect"/>	Instance state ▾	Actions ▾	<input type="button" value="Launch instances"/> ▾
<div> <div>1</div> <div> <div></div> <div></div> </div> </div>								
	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 DNS
<input type="checkbox"/>	Thankyou os	i-077e62871e7b189bf	Terminated	t2.micro	-	No alarms +	ap-south-1a	-
<input checked="" type="checkbox"/>	WordPressOS	i-0cdfebb924db9368a	Running	t2.micro	2/2 checks ...	No alarms +	ap-south-1a	ec2-13-232-112-15

Step 2): Install php, wget, httpd & MySQL.

To run WordPress, we have some requirements: -

- PHP version 7.4 or greater.
- MySQL version 5.6 or greater OR MariaDB version 10.1 or greater.

PHP 7.x packages are available in several different repositories. We will use the Remi repository which provides newer versions of various software packages including PHP. The Remi repository depends on the EPEL repository.

- First login inside instance via putty software and Install EPEL & Remi Repository.
- To install EPEL Repository

Yum install <https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm>

- To install Remi Repository

Yum install <https://rpms.remirepo.net/enterprise/remi-release-8.rpm>

```
root@ip-172-31-43-212:/etc/yum/repos.d# yum install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
Last metadata expiration check: 0:20:50 ago on Mon 15 Feb 2021 02:00:33 PM UTC.
epel-release-latest-8.noarch.rpm                                22 kB/s | 22 kB      00:01
Dependencies resolved.

=====
Package                Architecture          Version              Repository            Size
=====
Installing:
epel-release            noarch                8-10.el8             @commandline          22 k

Transaction Summary
=====
Install 1 Package

Total size: 22 k
Installed size: 32 k
Is this ok [y/N]: y
Downloading Packages:
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :                                1/1
  Installing     : epel-release-8-10.el8.noarch  1/1
  Running scriptlet: epel-release-8-10.el8.noarch 1/1
  Verifying      : epel-release-8-10.el8.noarch  1/1

Installed:
  epel-release-8-10.el8.noarch

Complete!
```

```
root@ip-172-31-43-212:/etc/yum/repos.d# yum install https://rpms.remirepo.net/enterprise/remi-release-8.rpm
Extra Packages for Enterprise Linux Modular 8 - x86_64        246 kB/s | 535 kB    00:02
Extra Packages for Enterprise Linux 8 - x86_64               6.6 MB/s | 8.9 MB    00:01
Last metadata expiration check: 0:00:01 ago on Mon 15 Feb 2021 04:27:55 PM UTC.
remi-release-8.rpm                                           33 kB/s | 25 kB      00:00
Dependencies resolved.

=====
Package                Architecture          Version              Repository            Size
=====
Installing:
remi-release            noarch                8.3-1.el8.remi       @commandline          25 k

Transaction Summary
=====
Install 1 Package

Total size: 25 k
Installed size: 20 k
Is this ok [y/N]: y
Downloading Packages:
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :                                1/1
  Installing     : remi-release-8.3-1.el8.remi.noarch 1/1
  Verifying      : remi-release-8.3-1.el8.remi.noarch 1/1

Installed:
  remi-release-8.3-1.el8.remi.noarch

Complete!
```

- Install php 7.4 & php-mysqldb.

dnf module install php:remi-7.4

root@ip-172-31-43-212:/etc/yum.repos.d

```
[root@ip-172-31-43-212 yum.repos.d]# dnf module install php:remi-7.4
Last metadata expiration check: 0:00:28 ago on Mon 15 Feb 2021 04:30:24 PM UTC.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-43-212 yum.repos.d]#
```

- Install mysql, wget & httpd.

dnf install mysql -y

root@ip-172-31-43-212:/etc/yum.repos.d

```
[root@ip-172-31-43-212 yum.repos.d]# dnf install mysql -y
Last metadata expiration check: 0:02:36 ago on Mon 15 Feb 2021 04:30:24 PM UTC.
Package mysql-8.0.21-1.module+el8.2.0+7855+47abd494.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-43-212 yum.repos.d]#
```

dnf install httpd wget -y

root@ip-172-31-43-212:/etc/yum.repos.d

```
[root@ip-172-31-43-212 yum.repos.d]# dnf install httpd wget -y
Last metadata expiration check: 0:03:26 ago on Mon 15 Feb 2021 04:30:24 PM UTC.
Package httpd-2.4.37-30.module+el8.3.0+7001+0766b9e7.x86_64 is already installed.
Package wget-1.19.5-10.el8.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-43-212 yum.repos.d]#
```

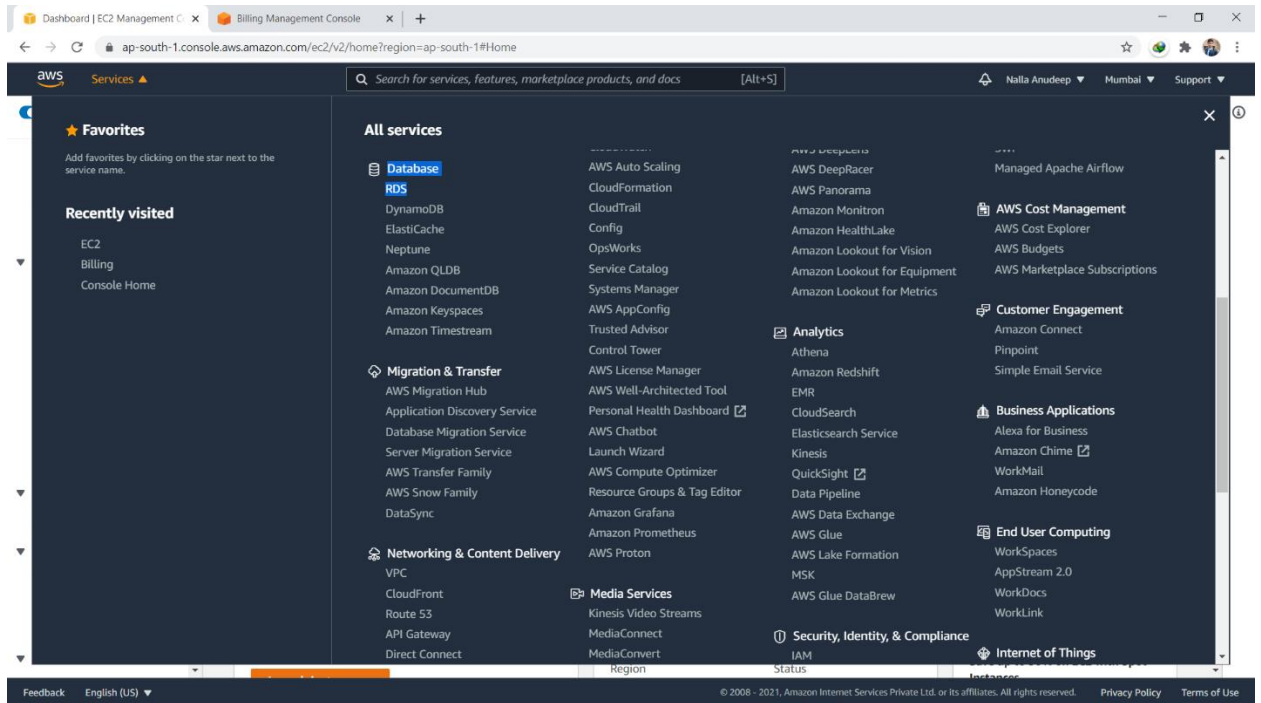
dnf install php-mysql

root@ip-172-31-43-212:~

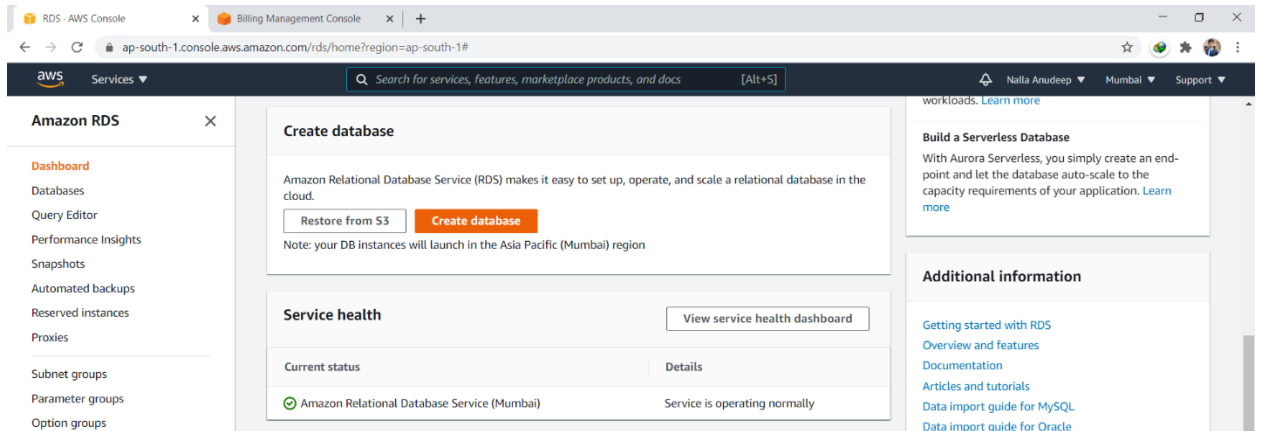
```
[root@ip-172-31-43-212 ~]# dnf install php-mysql
Last metadata expiration check: 0:03:35 ago on Mon 15 Feb 2021 06:05:11 PM UTC.
Package php-pecl-mysql-1.0.0-0.23.20190415.d7643af.el8.remi.7.4.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-43-212 ~]#
```

Step 3): Configure MySQL Server using Amazon RDS Service

- Go into Services section then select RDS under Database.



- Click on Create database



- Select Standard create then MySQL.

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



- Choose Version: MySQL 5.7.31 & Free Tier. Our purpose is just to test the database, that is why we are choosing free tier option.

Edition

☒ MySQL Community



Known Issues/Limitations

Review the [Known Issues/Limitations](#) to learn about potential compatibility issues with specific database versions.

Version

MySQL 5.7.31



MySQL engine versions earlier than 8.0.17 don't support the newest m6g or r6g generation instance classes.

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](#)

- First set your database (DB) instance name & then username & password for your database.

Settings

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 (1 to 15 for SQL Server). 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](#)

- In free tier, we have only option of db.t2.micro having limited resources i.e. 1 GiB RAM & 1 vCPU.

DB instance size

DB instance class [Info](#)

Choose a DB instance class that meets your processing power and memory requirements. The DB instance class options below are limited to those supported by the engine you selected above.

- ☐ Standard classes (includes m classes)
- ☐ Memory Optimized classes (includes r and x classes)
- ☒ Burstable classes (includes t classes)

db.t2.micro

1 vCPUs 1 GiB RAM Not EBS Optimized

New instance classes are available for specific engine versions. [Info](#)

☐ Include previous generation classes

- By default, we get 20 GiB storage, we can extend it up to 1000 GiB. But 20 GiB is more than enough for our testing.

Storage

Storage type [Info](#)

General Purpose (SSD)

Allocated storage

20

GiB

(Minimum: 20 GiB, Maximum: 16,384 GiB) Higher allocated storage [may improve](#) IOPS performance.

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

☒ Enable storage autoscaling

Enabling this feature will allow the storage to increase once the specified threshold is exceeded.

Maximum storage threshold [Info](#)

Charges will apply when your database autoscales to the specified threshold

1000

GiB

Minimum: 21 GiB, Maximum: 16,384 GiB

- Amazon also provides a facility of Availability & durability, but it is not available in free tier option.

Availability & durability

Multi-AZ deployment [Info](#)

☒ Create a standby instance (recommended for production usage)
Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.

☐ Do not create a standby instance

- Select VPC and Subnet group according to your choice. It is not a good practice to give public access but for testing we need public access (Yes).

Connectivity

Virtual private cloud (VPC) [Info](#)
VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-02ef6e98dabb3242d) ▼

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change the VPC selection.

Subnet group [Info](#)
DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default ▼

Public access [Info](#)

☒ Yes
Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.

☐ No
RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

- Create a VPC security group for your database & allow all traffic in inbound rules. We will update later these inbound rules after creating the instance. I have created “dbsg” security group here. Choose any AZ from the list & keep Database port 3306.

EC2 > Security Groups > sg-0e908383dfa5b84b0 - dbsg

sg-0e908383dfa5b84b0 - dbsg Actions ▾

Details

Security group name dbsg	Security group ID sg-0e908383dfa5b84b0	Description Security Group for database	VPC ID vpc-02ef6e98dabb3242d ↗
Owner 016590770067	Inbound rules count 2 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules Edit inbound rules

Type	Protocol	Port range	Source	Description - optional
All traffic	All	All	0.0.0.0/0	-
All traffic	All	All	::/0	-

VPC security group
Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

☒ **Choose existing**
Choose existing VPC security groups

☐ **Create new**
Create new VPC security group

Existing VPC security groups

Choose VPC security groups ▾

dbsg ✕

Availability Zone [Info](#)

ap-south-1a ▾

▼ Additional configuration

Database port [Info](#)
TCP/IP port that the database will use for application connections.

3306

- Select Password authentication option for your database.

Database authentication

Database authentication options [Info](#)

- ☒ Password authentication
Authenticates using database passwords.
- ☐ Password and IAM database authentication
Authenticates using the database password and user credentials through AWS IAM users and roles.
- ☐ Password and Kerberos authentication (not available for this version)
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

- Under Additional configuration, set your database name & all settings leave as by default. You can enable Backup option if you want.

▼ Additional configuration

Database options, backup enabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, delete protection disabled

Database options

Initial database name [Info](#)

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

DB parameter group [Info](#)

Option group [Info](#)

Backup

Creates a point-in-time snapshot of your database

☒ Enable automatic backups
Enabling backups will automatically create backups of your database during a certain time window.

- In Backup retention period, you can choose the number of days you want to keep your data as backup. Monitoring & Log exports are used to check the consumption of your resources (RAM/CPU etc.)

In Backup window you can set the time when you want to get the back up of your data to avoid any impact on performance by selecting Select window option.

Backup retention period [Info](#)

Choose the number of days that RDS should retain automatic backups for this instance.

7 days ▼

Backup window [Info](#)

Select the period for which you want automated backups of the database to be created by Amazon RDS.

☐ Select window

☒ No preference

☒ Copy tags to snapshots

Monitoring

☐ Enable Enhanced monitoring

Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU

Log exports

Select the log types to publish to Amazon CloudWatch Logs

☐ Audit log

☐ Error log

☐ General log

☐ Slow query log

- Similarly, we can set the time for Maintenance by choosing Select window option. To protect the database from being deleted accidentally you must enable Deletion protection option.

Maintenance

Auto minor version upgrade [Info](#)

☒ **Enable auto minor version upgrade**

Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window [Info](#)

Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

☐ Select window

☒ No preference

Deletion protection

☐ **Enable deletion protection**

Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

- Now, we have to click on Create database.


Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro Instance.
- 20 GB of General Purpose Storage (SSD).
- 20 GB for automated backup storage and any user-initiated DB Snapshots.

[Learn more about AWS Free Tier.](#) [↗](#)

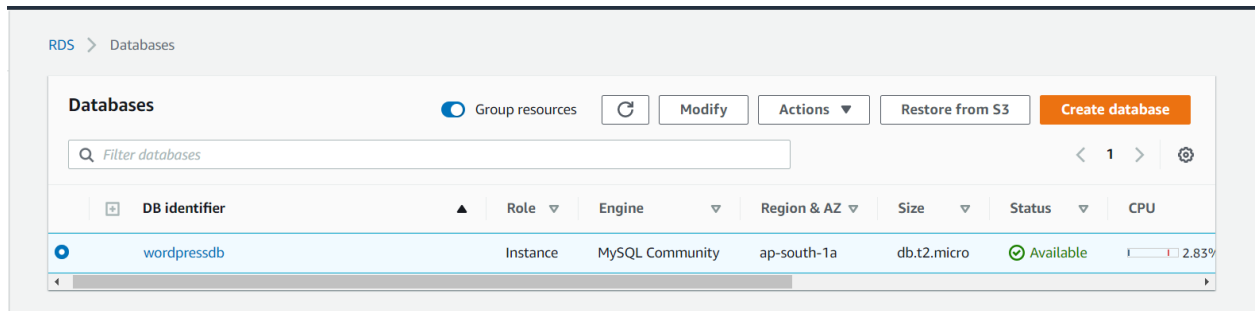
When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the [Amazon RDS Pricing page.](#) [↗](#)

 You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel

Create database

- It will take some time depends on your network speed to show Status “Available”.



- Finally, our database has been created successfully.

Step 4): Connect to WordpressOS

- Login inside your mysql database, use command:

```
mysql -h <db_endpoint_url> -u <user_name> -p
```

```
root@ip-172-31-43-212:/etc/yum.repos.d# mysql -h wordpressdb.cezfdiabhcxk.ap-south-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 5.7.31-log Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```

- To see all databases & to use a specific one, use command:
- Show databases;
- Use arthdb;
- exit;

root@ip-172-31-43-212:/etc/yum.repos.d

```
mysql> show databases;
+-----+
| Database          |
+-----+
| information_schema |
| arthdb             |
| innodb             |
| mysql              |
| performance_schema |
| sys                |
+-----+
6 rows in set (0.00 sec)

mysql> use arthdb;
Database changed
mysql> exit;
Bye
5 root@ip-172-31-43-212
```

- Start httpd service & check status.

```
systemctl start httpd
```

```
systemctl status httpd
```

```

root@ip-172-31-43-212:~
[root@ip-172-31-43-212 ~]# systemctl start httpd
[root@ip-172-31-43-212 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
   Drop-In: /usr/lib/systemd/system/httpd.service.d
            └─php-fpm.conf
   Active: active (running) since Mon 2021-02-15 17:39:55 UTC; 5s ago
     Docs: man:httpd.service(8)
   Main PID: 14759 (httpd)
    Status: "Started, listening on: port 80"
     Tasks: 213 (limit: 4836)
    Memory: 29.0M
   CGroup: /system.slice/httpd.service
            └─14759 /usr/sbin/httpd -DFOREGROUND
              └─14765 /usr/sbin/httpd -DFOREGROUND
                └─14766 /usr/sbin/httpd -DFOREGROUND
                  └─14767 /usr/sbin/httpd -DFOREGROUND
                    └─14768 /usr/sbin/httpd -DFOREGROUND

Feb 15 17:39:55 ip-172-31-43-212.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Feb 15 17:39:55 ip-172-31-43-212.ap-south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
Feb 15 17:39:55 ip-172-31-43-212.ap-south-1.compute.internal httpd[14759]: Server configured, listening on: port 80
[root@ip-172-31-43-212 ~]#

```

Step 5): Download php application name “WordPress.”

- To download WordPress code, use command:
- `wget https://wordpress.org/latest.tar.gz`
- It will download the php code inside a zip folder.

```

root@ip-172-31-43-212:~
[root@ip-172-31-43-212 ~]# wget https://wordpress.org/latest.tar.gz
--2021-02-15 17:42:08-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org) ... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15606691 (15M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz          100%[=====>]  14.88M  4.84MB/s   in 3.4s

2021-02-15 17:42:12 (4.32 MB/s) - 'latest.tar.gz' saved [15606691/15606691]

```

- To unzip the code & to transfer inside document root(/var/www/html), use command:
- `tar xf latest.tar.gz -C /var/www/html`
- After unzip, we get a WordPress folder.

```

root@ip-172-31-43-212:/var/www/html
[root@ip-172-31-43-212 ~]# tar xf latest.tar.gz -C /var/www/html
[root@ip-172-31-43-212 ~]# ls
anaconda-ks.cfg  latest.tar.gz  original-ks.cfg
[root@ip-172-31-43-212 ~]# cd /var/www/html/
[root@ip-172-31-43-212 html]# ls
wordpress
[root@ip-172-31-43-212 html]#

```

- Use ls command to see the files stored inside the wordpress folder.

```

root@ip-172-31-43-212:/var/www/html/wordpress
[root@ip-172-31-43-212 html]# cd wordpress/
[root@ip-172-31-43-212 wordpress]# ls
index.php      wp-activate.php    wp-comments-post.php  wp-cron.php          wp-load.php        wp-settings.php      xmlrpc.php
license.txt    wp-admin           wp-config-sample.php  wp-includes          wp-login.php       wp-signup.php
readme.html   wp-blog-header.php wp-content            wp-links-opml.php    wp-mail.php        wp-trackback.php
[root@ip-172-31-43-212 wordpress]#

```

- Make apache as owner of the wordpress folder using command:
- `chown -R apache:apache *`

```

root@ip-172-31-43-212:/var/www/html
[root@ip-172-31-43-212 html]# ls -l
total 4
drwxr-xr-x. 5 nobody nobody 4096 Feb  3 21:11 wordpress
[root@ip-172-31-43-212 html]# chown -R apache:apache *
[root@ip-172-31-43-212 html]# ls -l
total 4
drwxr-xr-x. 5 apache apache 4096 Feb  3 21:11 wordpress
[root@ip-172-31-43-212 html]#

```

- Httpd cannot write to folder/file because of SELinux so allow it & use the command:
- `setenforce 0`
- `chcon -t httpd_sys_rw_content_t /var/www/html/wordpress -R`
- `systemctl restart httpd`

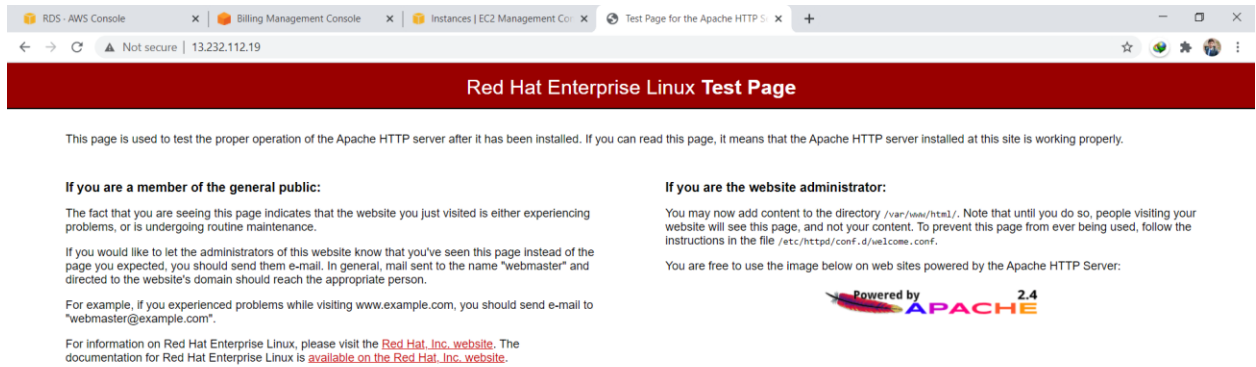
```

root@ip-172-31-43-212:/var/www/html
[root@ip-172-31-43-212 html]# setenforce 0
[root@ip-172-31-43-212 html]# chcon -t httpd_sys_rw_content_t /var/www/html/wordpress -R
[root@ip-172-31-43-212 html]# systemctl restart httpd
[root@ip-172-31-43-212 html]#

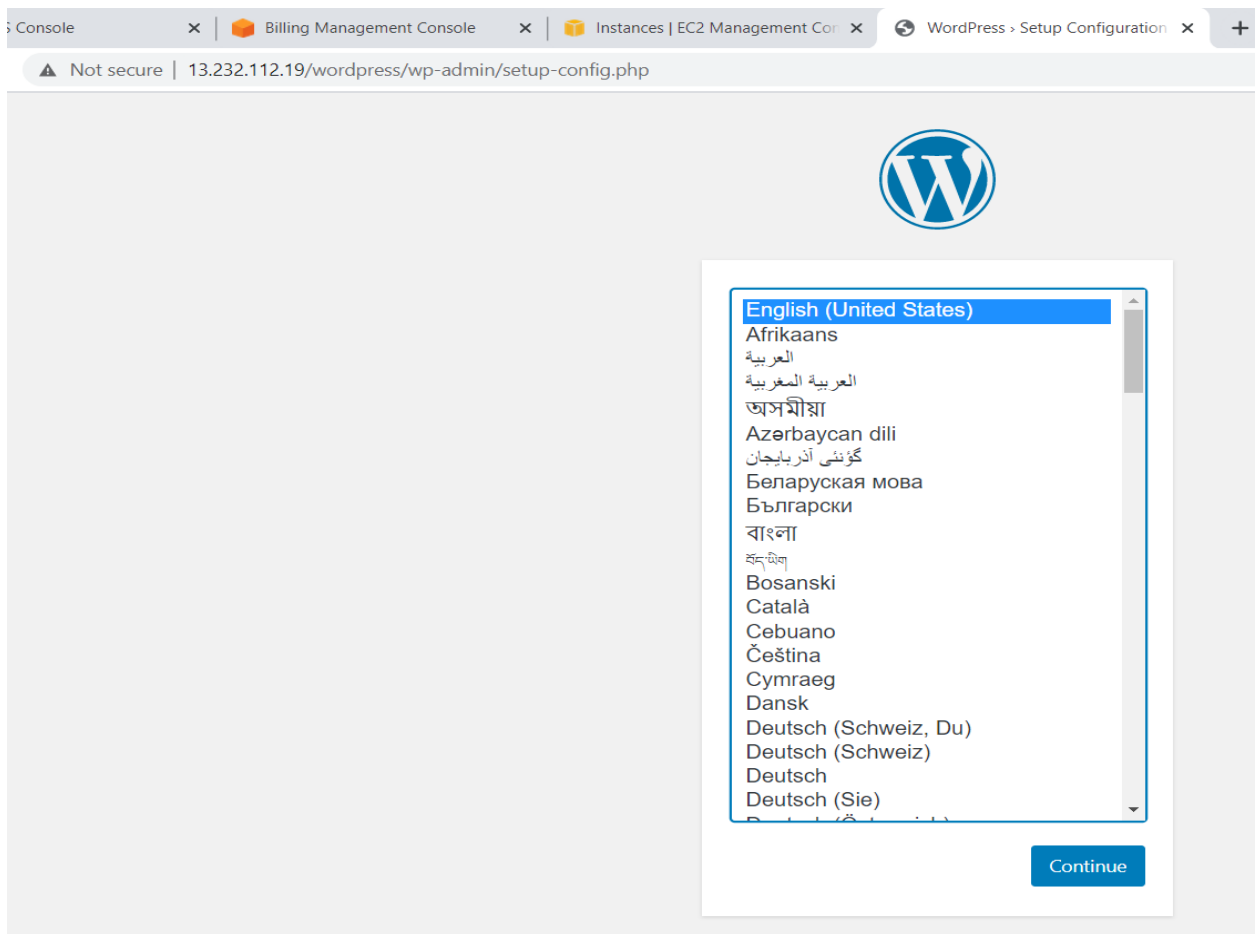
```

Step 6): Use Browser to access your WordPress application.

- Paste the public ip of your instance in the browser.
- `http://<ec2_public_ip>`



- Just add /wordpress keyword in your url, it will automatically work ahead.
- i.e http://<ec2_public_ip/>wordpress
- *Choose any language & click on Continue.*



- *Click on Let's go button but before this click you should have all the required information.*



Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)


We're going to use this information to create a `wp-config.php` file. **If for any reason this automatic file creation doesn't work, don't worry. All this does is fill in the database information to a configuration file. You may also simply open `wp-config-sample.php` in a text editor, fill in your information, and save it as `wp-config.php`.** Need more help? [We got it.](#)

In all likelihood, these items were supplied to you by your Web Host. If you don't have this information, then you will need to contact them before you can continue. If you're all ready...

Let's go!

- *Enter your database name, database user name, database password & database endpoint url, then click on submit.*

Not secure | 13.232.112.19/wordpress/wp-admin/setup-config.php?step=1




Below you should enter your database connection details. If you're not sure about these, contact your host.

Database Name	<input type="text" value="arthdb"/>	The name of the database you want to use with WordPress.
Username	<input type="text" value="admin"/>	Your database username.
Password	<input type="text" value="123456789"/>	Your database password.
Database Host	<input type="text" value="wordpressdb.cezfdiabhcxk.ap-s"/>	You should be able to get this info from your web host, if localhost doesn't work.
Table Prefix	<input type="text" value="wp_"/>	If you want to run multiple WordPress installations in a single database, change this.

- *Finally click on “Run the installation” button.*

RDS - AWS Console | Billing Management Console | Instances | EC2 Management Console | WordPress - Setup Configuration

Not secure | 13.232.112.19/wordpress/wp-admin/setup-config.php?step=2



All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...

- *Set title, username, password for your WordPress application.
Then Login inside your WordPress account and write your first blog on WordPress*



Username or Email Address

anudeep

Password

.....

☒ Remember Me

Log In

Lost your password?

← Go to Arth

ARTH TASK 18

Welcome To ARTH

Published February 15, 2021

By [anudeep](#)

[Edit](#)

Categorized as [Uncategorized](#)

Leave a comment

- Check data stored in your MySQL database for verification, use command:
- Show tables;
- describe <data_stored>;

```

root@ip-172-31-43-212:~
mysql> use arthdb;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+-----+
| Tables_in_arthdb |
+-----+
| wp_commentmeta   |
| wp_comments      |
| wp_links         |
| wp_options       |
| wp_postmeta      |
| wp_posts         |
| wp_term_relationships |
| wp_term_taxonomy |
| wp_termmeta      |
| wp_terms         |
| wp_usermeta      |
| wp_users         |
+-----+
12 rows in set (0.00 sec)

```

```

root@ip-172-31-43-212:~
mysql> describe wp_comments;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| comment_ID | bigint(20) unsigned | NO | PRI | NULL | auto_increment |
| comment_post_ID | bigint(20) unsigned | NO | MUL | 0 | |
| comment_author | tinytext | NO | | NULL | |
| comment_author_email | varchar(100) | NO | MUL | | |
| comment_author_url | varchar(200) | NO | | | |
| comment_author_IP | varchar(100) | NO | | | |
| comment_date | datetime | NO | | 0000-00-00 00:00:00 | |
| comment_date_gmt | datetime | NO | MUL | 0000-00-00 00:00:00 | |
| comment_content | text | NO | | NULL | |
| comment_karma | int(11) | NO | | 0 | |
| comment_approved | varchar(20) | NO | MUL | 1 | |
| comment_agent | varchar(255) | NO | | | |
| comment_type | varchar(20) | NO | | comment | |
| comment_parent | bigint(20) unsigned | NO | MUL | 0 | |
| user_id | bigint(20) unsigned | NO | | 0 | |
+-----+-----+-----+-----+-----+-----+
15 rows in set (0.00 sec)

```

Finally! We have done our todays agenda!

Thankyou

