Cloud based enterprise systems lab (15B28CI581)

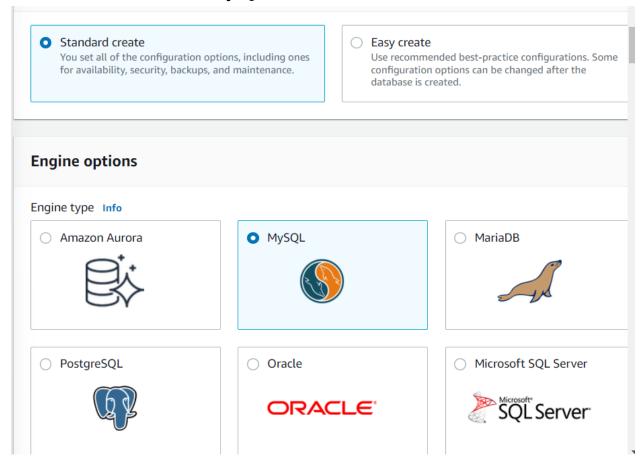
Assignment week 5

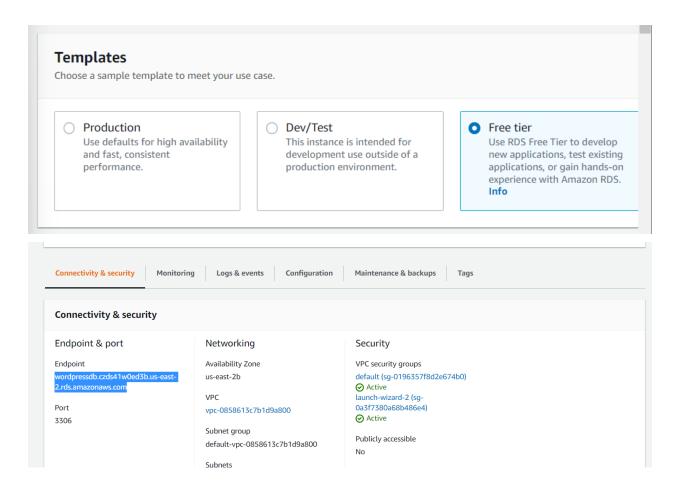
Patil Amit Gurusidhappa 19104004

B11

Create an web based application on your EC2 instance and perform the following tasks:

- a. Install the LAMP server on EC2.
- b. Create a new database in MySQL for WordPress to use.





Now in EC2

c. Download and configure the latest version of WordPress.

```
Amazon Linux 2 AMI
nttps://aws.amazon.com/amazon-linux-2/
ec2-user@ip-172-31-38-27 ~|$
ec2-user@ip-172-31-38-27 ~|$ sudo su .
su: user . does not exist
[ec2-user@ip-172-31-38-27 ~]$ sudo su
[root@ip-172-31-38-27 ec2-user]# yum install httpd -y
oaded plugins: extras suggestions, langpacks, priorities, update-motd
Resolving Dependencies
-> Running transaction check
--> Package httpd.x86 64 0:2.4.52-1.amzn2 will be installed
-> Processing Dependency: httpd-tools = 2.4.52-1.amzn2 for package: httpd-2.4
52-1.amzn2.x86 64
-> Processing Dependency: httpd-filesystem = 2.4.52-1.amzn2 for package: http
-2.4.52-1.amzn2.x86 64
-> Processing Dependency: system-logos-httpd for package: httpd-2.4.52-1.amzn
.x86 64
-> Processing Dependency: mod http2 for package: httpd-2.4.52-1.amzn2.x86 64
-> Processing Dependency: httpd-filesystem for package: httpd-2.4.52-1.amzn2.
-> Processing Dependency: /etc/mime.types for package: httpd-2.4.52-1.amzn2.x
36 64
-> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.5
2-1.amzn2.x86 64
-> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.52-1.
```

Install PHP mysql

```
[root@ip-172-31-38-27 ec2-user]# yum install php-mysql -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package php-mysql is obsoleted by php-mysqlnd, trying to install php-mysqlnd-5
.4.16-46.amzn2.0.2.x86 64 instead
Resolving Dependencies
-> Running transaction check
---> Package php-mysqlnd.x86 64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-pdo(x86-64) = 5.4.16-46.amzn2.0.2 for package:
php-mysqlnd-5.4.16-46.amzn2.0.2.x86 64
-> Running transaction check
---> Package php-pdo.x86 64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for packag
e: php-pdo-5.4.16-46.amzn2.0.2.x86 64
·-> Running transaction check
---> Package php-common.x86 64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16
-46.amzn2.0.2.x86 64
--> Running transaction check
--> Package libzip010-compat.x86 64 0:0.10.1-9.amzn2.0.5 will be installed
```

Install PHP latest version

```
rnat is not a vatiu option. Try hetp .
[root@ip-172-31-38-27 ec2-user]# amazon-linux-extras install php7.3
Topic php7.3 has end-of-support date of 2021-12-06
Installing php-pdo, php-fpm, php-mysqlnd, php-cli, php-json
_oaded plugins: extras suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-kernel-5.10
              : amzn2extra-php7.3
17 metadata files removed
5 sqlite files removed
9 metadata files removed
_oaded plugins: extras suggestions, langpacks, priorities, update-motd
                                                          3.7 kB
                                                                      00:00
amzn2extra-docker
                                                          3.0 kB
                                                                      00:00
amzn2extra-kernel-5.10
                                                           3.0 kB
                                                                      00:00
                                                          3.0 kB
                                                                      00:00
amzn2extra-php7.3
(1/9): amzn2-core/2/x86 64/group gz
                                                            2.5 kB
                                                                      00:00
                                                             452 kB
2/9): amzn2-core/2/x86_64/updateinfo
                                                                      00:00
(3/9): amzn2extra-docker/2/x86 64/primary db
                                                             86 kB
                                                                      00:00
(4/9): amzn2extra-docker/2/x86 64/updateinfo
                                                             5.9 kB
                                                                      00:00
                                                               76 B
5/9): amzn2extra-php7.3/2/x86 64/updateinfo
                                                                      00:00
(6/9): amzn2extra-kernel-5.10/2/x86 64/updateinfo
                                                              12 kB
                                                                      00:00
7/9): amzn2extra-kernel-5.10/2/x86 64/primary db
                                                            7.4 MB
                                                                      00:00
8/9): amzn2extra-php7.3/2/x86 64/primary db
                                                            519 kB
                                                                      00:00
(9/9): amzn2-core/2/x86 64/primary db
                                                                      00:01
                                                             60 MB
```

Turn on httpd server and download tar file of wordpress site

```
Extra topic has reached end of support.
[root@ip-172-31-38-27 ec2-user]# systemctl enable httpd --now
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service
to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-38-27 ec2-user]# cd /var/www/html
[root@ip-172-31-38-27 html]# ls
[root@ip-172-31-38-27 html]# wget http://wordpress.org/latest.tar.gz
--2022-03-19 09:54:13-- http://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://wordpress.org/latest.tar.gz [following]
--2022-03-19 09:54:13-- https://wordpress.org/latest.tar.gz
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18722604 (18M) [application/octet-stream]
Saving to: 'latest.tar.gz'
100%[==========================] 18,722,604 36.9MB/s
                                                                  in 0.5s
2022-03-19 09:54:14 (36.9 MB/s) - 'latest.tar.gz' saved [18722604/18722604]
[root@ip-172-31-38-27 html]#
```

Unzip tar file tar -zxvf latest.tar.gz

Take backup of config file

```
wordpress/wp-comments-post.php
[root@ip-172-31-38-27 html]# ls
latest.tar.gz wordpress
[root@ip-172-31-38-27 html]# cd wordpress/
[root@ip-172-31-38-27 wordpress]# cp wp-confog-simple.php /home/ec2-user/
```

Last correct command

```
[root@ip-172-31-38-27 wordpress]# cp wp-config-sample.php /home/ec2-user/
[root@ip-172-31-38-27 wordpress]#
```

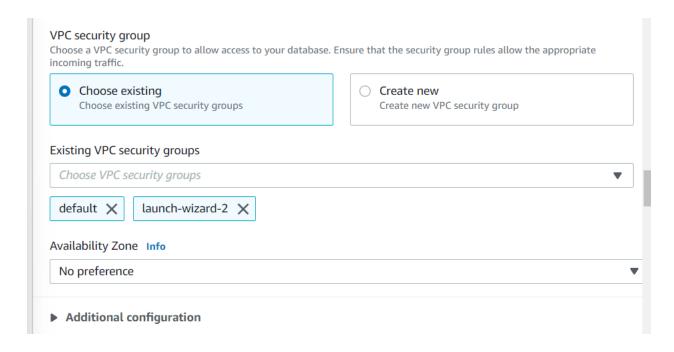
Admin setup config

http://ec2-3-134-115-237.us-east-2.compute.amazonaws.com/wordpress/wp-admin/setup-config.php

d. Copy the WordPress files to your Apache document root directory.

D. I. N.	
Database Name	
wordpressdb	
The name of the	database you want to use with WordPress.
Username	
admin	
Your database us	ername.
Password	
Amitgpatil21	5@
Your database pa	ssword.
Database Host	
wordpressdb	.czds41w0ed3b.us-east-2.rds.amazonaws.com
You should be ab	le to get this info from your web host, if localhost doesn't work.
Table Prefix	
wp_	

e. Log in to your new WordPress site.



Database name:

wordpressdb